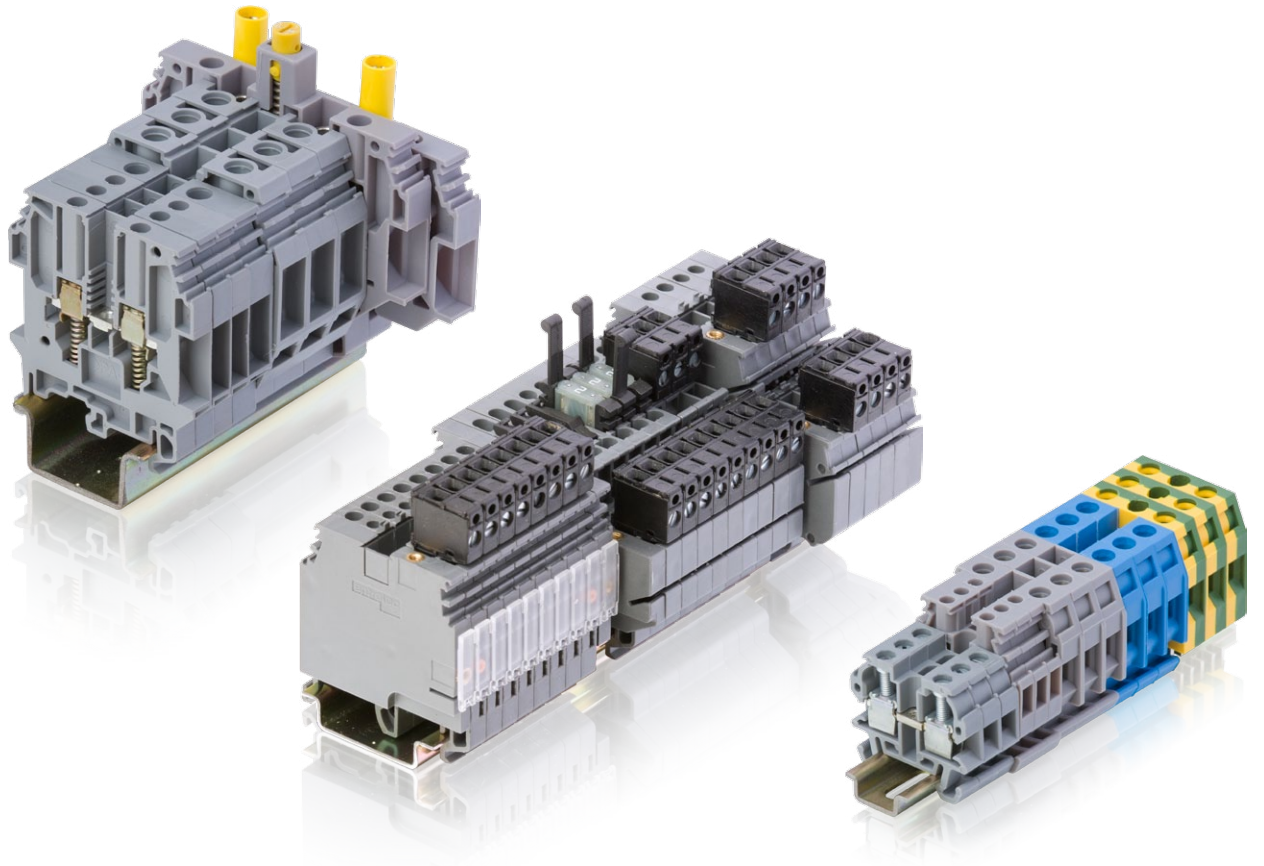


Main catalog

# Solution series Terminal blocks

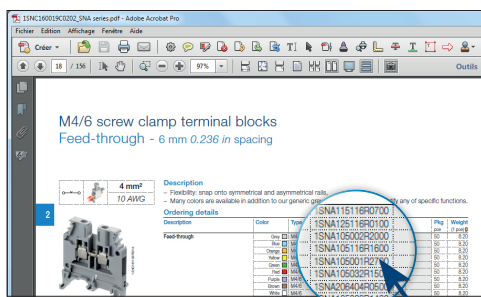


# Solution series

## Terminal blocks

|   |     |    |
|---|-----|----|
| <a href="#">Connection devices offering</a>               | 2   | 1  |
| <a href="#">ADO System® IDC terminal blocks</a>           | 11  | 2  |
| <a href="#">Spring loaded screw clamp terminal blocks</a> | 61  | 3  |
| <a href="#">Stud terminal blocks</a>                      | 73  | 4  |
| <a href="#">Ring lug terminal blocks</a>                  | 91  | 5  |
| <a href="#">Miniblocks</a>                                | 103 | 6  |
| <a href="#">Test &amp; measurement terminal blocks</a>    | 147 | 7  |
| <a href="#">Pluggable terminal blocks</a>                 | 165 | 8  |
| <a href="#">Sensors / Actuators terminal blocks</a>       | 181 | 9  |
| <a href="#">Installation terminal blocks</a>              | 197 | 10 |
| <a href="#">Protection terminal blocks</a>                | 231 | 11 |
| <a href="#">Disconnect terminal blocks</a>                | 239 | 12 |
| <a href="#">Component holder terminal blocks</a>          | 247 | 13 |
| <a href="#">Index</a>                                     | 262 | 14 |

You can access to more product details, click on the order code

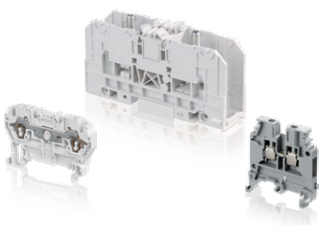

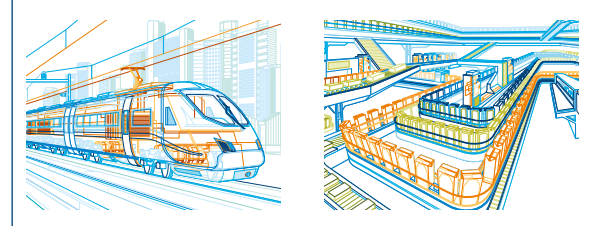
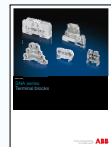




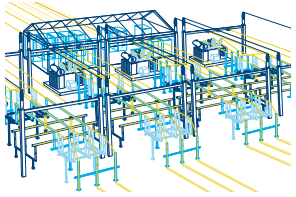


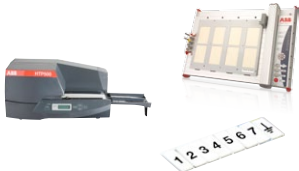



# Connection devices offering

1

ABB proposes one of the largest connection offering on the market with various technologies: screw, spring, IDC, pluggable, stud... technologies found in over 6000 products & solutions.

## IN THIS CATALOG

|                              | SNA series   |  | SNK series   |   | Terminal blocks   |  |
|------------------------------|--|--|--|---|---|--|
| Purpose                      | Standard industrial applications   |  | Preferred terminal blocks for:<br>High standard industries<br>Building industry<br>Channel partners  |   | Market segments   | Applications/functions   |
| Product families & functions | <b>Screw</b>   | Feed-through<br>Multi-deck<br>Ground<br>Disconnect<br>For fuses  | <b>Screw</b>   | Feed-through<br>Multi-deck<br>Ground<br>Disconnect<br>For fuses | <b>Energy</b><br><b>Railway</b><br><b>Process automation</b><br><b>Petro-chemical</b><br>Instrumentation<br>Hazardous locations<br>HVAC & Compressor<br>Wind<br>Pump & Water<br>Machinery & Safety<br>Critical power<br>Solar     | Protection: PEN, neutral switch<br>Disconnect: multilevel, plugs...<br>For fuse protection<br>Test & Measurement<br>Sensor actuator<br>For distribution boxes<br>Space saving: miniblocks<br>Power distribution<br>Component holders |
|                              | <b>Spring</b>  | Feed-through<br>Double deck<br>Ground<br>Disconnect<br>For fuses | <b>PI-Spring</b>   | Feed-through<br>Double deck<br>Ground<br>Disconnect             |   |  |
|                              | <b>Stud</b>  | Feed-through   | <b>Pluggable</b><br><b>PI-Spring</b>   | Feed-through<br>1 or 2 circuits                                 |   |  |
|                              |   |  |   |   |   |  |
| Main catalog                 | SNA series - Terminal blocks<br>  |  | SNK series - Terminal blocks<br>  |   | Solution series - Terminal blocks<br>  |  |
| Web                          | <a href="http://www.abb.com/lowvoltage">www.abb.com/lowvoltage</a><br>catalog pages, certificates, approvals<br><br><a href="http://abb-control-products.partcommunity.com">http://abb-control-products.partcommunity.com</a><br>3D & 2D drawings download |  | <a href="http://www.abb.com/lowvoltage">www.abb.com/lowvoltage</a><br>catalog pages, brochures, technical datasheets, certificates, approvals<br><br><a href="http://www.web-edia.com">www.web-edia.com</a><br>catalog pages, videos, presentations, drawings, tools<br><br><a href="http://abb-control-products.partcommunity.com">http://abb-control-products.partcommunity.com</a><br>3D & 2D drawings download |   | <a href="http://www.abb.com/lowvoltage">www.abb.com/lowvoltage</a><br>catalog pages<br><br><a href="http://abb-control-products.partcommunity.com">http://abb-control-products.partcommunity.com</a><br>3D & 2D drawings download |  |

| Solution series   |  |   |   |  |
|---|--|---|---|--|
| Technologies  |  | ESSAILEC®   | Interfast   | Marking  |
|   |  | Test blocks   | Pre-wiring for PLC  | Markers & marking systems  |
| <p>Screw clamp<br/>Spring clamp<br/>ADO System®<br/>Pluggable<br/>Safety (spring loaded)<br/>Stud</p> |  | <p>Current &amp; voltage sockets<br/>Current &amp; voltage plugs</p>  | <p>Interfast PCB<br/>Interfast MS<br/>Cables</p>  | <p>Marking systems<br/>Markers for terminal blocks:<br/>– Pre-marked<br/>– Blanks<br/>Markers for wires &amp; cables<br/>Adhesive labels</p> |
|                     |  |    |   |   |
|   |  | <p>ESSAILEC® test blocks</p>   | <p>Interface modules &amp; selection guides</p>    | <p>Marking solutions</p>                                |
|   |  | <p><a href="http://www.abb.com/lowvoltage">www.abb.com/lowvoltage</a><br/>catalog pages, brochures,<br/>technical datasheets, certificates,<br/>approvals</p> | <p><a href="http://www.abb.com/lowvoltage">www.abb.com/lowvoltage</a><br/>catalog pages, selection guides (ABB,<br/>Siemens, Schneider, Rockwell...), brochures,<br/>technical datasheets, certificates, approvals</p> <p><a href="http://www.web-emediacom.com/interfast">www.web-emediacom.com/interfast</a><br/>eSelection guide, catalog pages, videos,<br/>presentations, drawings</p> | <p><a href="http://www.abb.com/lowvoltage">www.abb.com/lowvoltage</a><br/>catalog pages, user guide,<br/>softwares</p>                       |

# ABB screw clamp technology

## The heavy duty connection

1

### Unique design, flies over time thanks to its reliability and safety

The ABB screw clamp technology is designed to avoid accidental releases due to vibrations, shocks or even abusive cable draw. Our exclusive design minimizes the needs of retightening campaigns.

### High density capacity

The screw clamp technology can fit up to two conductors per clamp which offers extended possibilities in electrical cabinets.

## Features

The ABB exclusive anti-release system creates a controlled locking-screw effect thanks to the 2 overlapping tabs that maintain the clamp parts. The screw is locked in total safety. The retightening campaigns are not needed anymore!

The clamp is punched, which increases the number of screw threads by 30 % meaning a high torque resistance

Hardened steel makes the connection very reliable

Flap avoiding the insertion of cable underneath the clamp

The screw tightens the conductive bar to the cable. There is no torsion effect applied to the cable

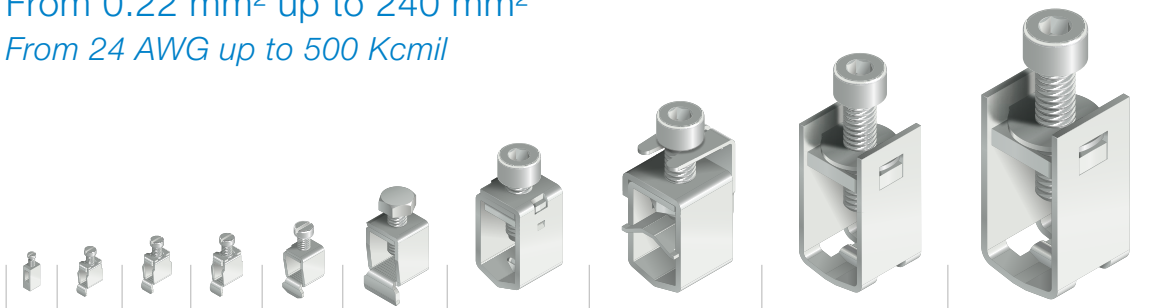
Screw

Screw clamp

Conductive linking bar

Stripped wire

From 0.22 mm<sup>2</sup> up to 240 mm<sup>2</sup>  
 From 24 AWG up to 500 Kcmil



# ABB spring loaded screw clamp technology

## The safety connection for demanding working conditions

### Exclusive design provide robustness and connection safety

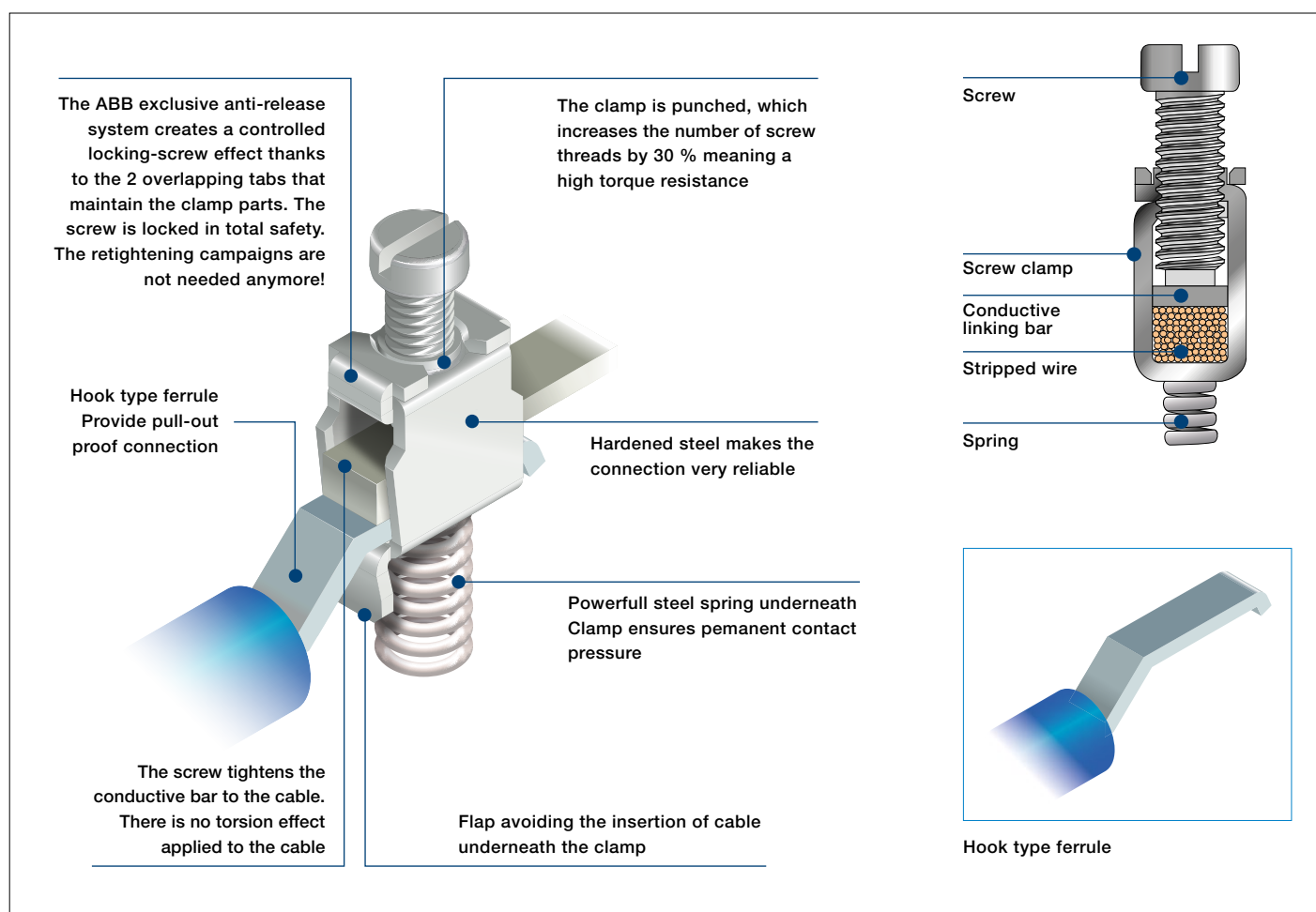
The ABB screw clamp spring loaded terminal is designed to guarantee electrical continuity even when screws are loosened unintentionally.

It features all the benefits of our screw clamp with additional vibration, shock resistant and maintenance free performances.

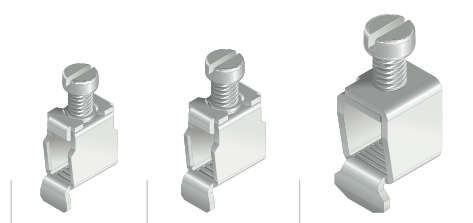
### High density wiring

The screw clamp spring loaded terminal can fit up to two conductors equipped with bent ferrules per clamp.

## Features



From 0.22 mm<sup>2</sup> up to 10 mm<sup>2</sup>  
From 24 AWG up to 6 AWG

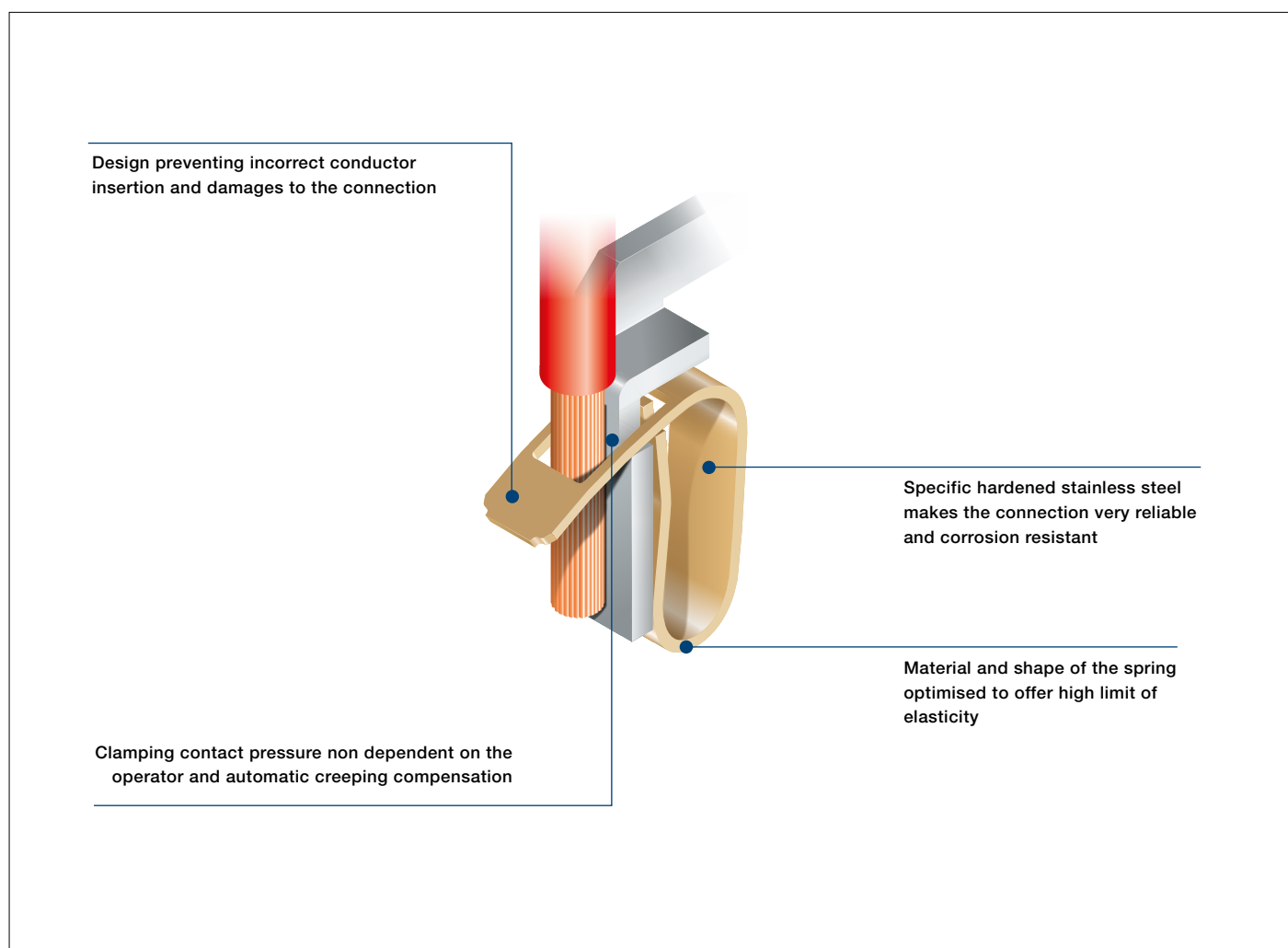


# ABB spring clamp technology

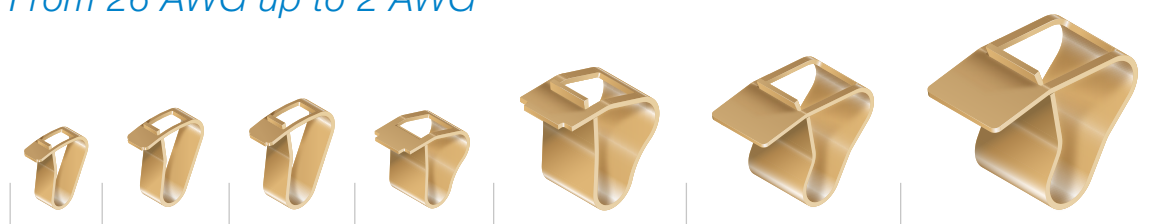
## 1 Experience the flexible connection

The ABB spring clamp technology combines all the features appreciated from electrical users by combining flexibility of use with front entry, a good vibration withstand, clamping pressure non dependent on the operator and automatic creeping compensation suppressing the needs of retightening campaigns.

## Features



From 0.12 mm<sup>2</sup> up to 35 mm<sup>2</sup>  
From 26 AWG up to 2 AWG





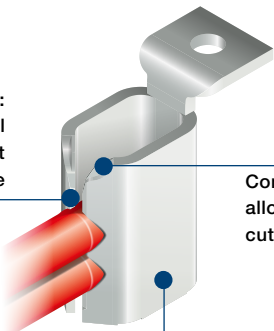
# ADO System<sup>®</sup> IDC technology

## The fastest and most reliable connection technology

ADO system<sup>®</sup> is based on Insulation Displacement Connection (IDC) technology. IDC technology can be found in various applications outside the electrical world. (RJ45 connectors used in Telecom for instance).

Our ADO system<sup>®</sup> features one single piece which (when associated with its dedicated tool) combines the wire preparation and the wire connection. Its design is made to connect up to two conductors (standard wires as well as special wires) in the same jaw.

### Features



**Contact lips:**  
allows the electrical contact with a permanent cable contact pressure

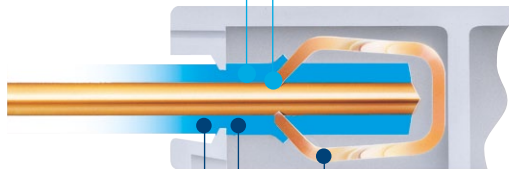
**Cone entry shape:**  
allows the insulation cutting

**ADO system<sup>®</sup> jaw:**  
"C shape" spring

### Corrosion proof

Gas-tight connection  
Contact points are wrapped by the insulation.

Low galvanic couple of copper alloy jaw pinching the wire at two points.



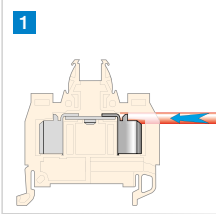
### Vibration proof

Wire insulation is pinched by the insulating body.

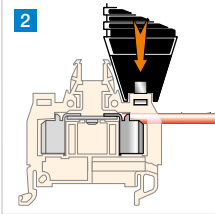
Unstripping insulator absorbs vibrations.

Contact forces are permanently balanced.

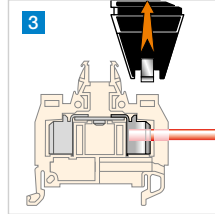
#### Instructions:



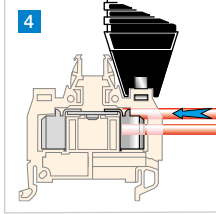
**1** Insert the wire (not stripped) in the ADO System<sup>®</sup> jaw until it butts.



**2** Position the tool in the recess and pull the trigger fully and release it.

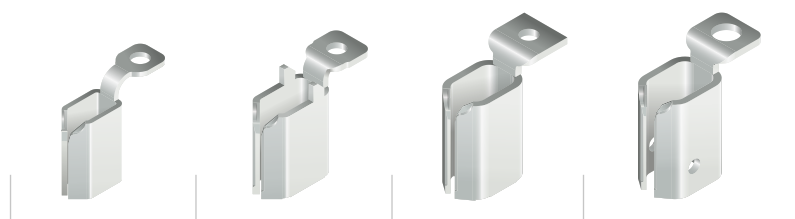


**3** Remove the trigger. (the tool will not be released if the connection is not completed).



**4** Follow the same process if a second wire has to be connected (same size and same nature). The first wire preliminary installed, will remain perfectly and safely maintained in the clamp during the second wire cabling process.

From 0.22 mm<sup>2</sup> up to 4 mm<sup>2</sup>  
From 24 AWG up to 12 AWG



# ABB Stud technology

## The connection for power and energy circuits

1

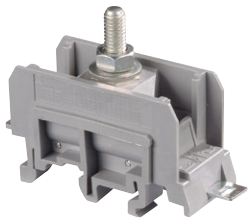
### Reliability first

Stud technology is designed to ensure a reliable connection thanks to the combination of:

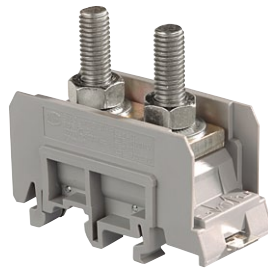
- Vibration resistant equipments (nuts, washers),
- Lugs crimped on the cable provide pull-out proof termination.

This technology is very popular on the American market and particularly in the energy applications.

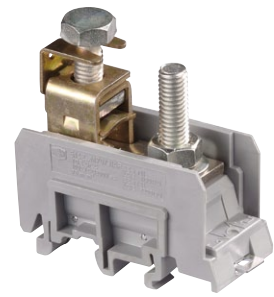
### Available configurations



One stud

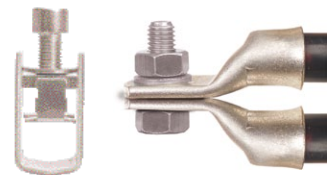
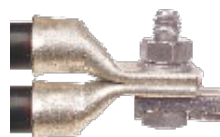


Two studs



One wire clamp / one stud

### Connection technics



### Up to 300 mm<sup>2</sup> / 1 000 Kcmil



**M4-M5**  
6 mm<sup>2</sup>  
8 AWG



**M6**  
35 mm<sup>2</sup>  
1 AWG



**M8**  
70 mm<sup>2</sup>  
000 AWG



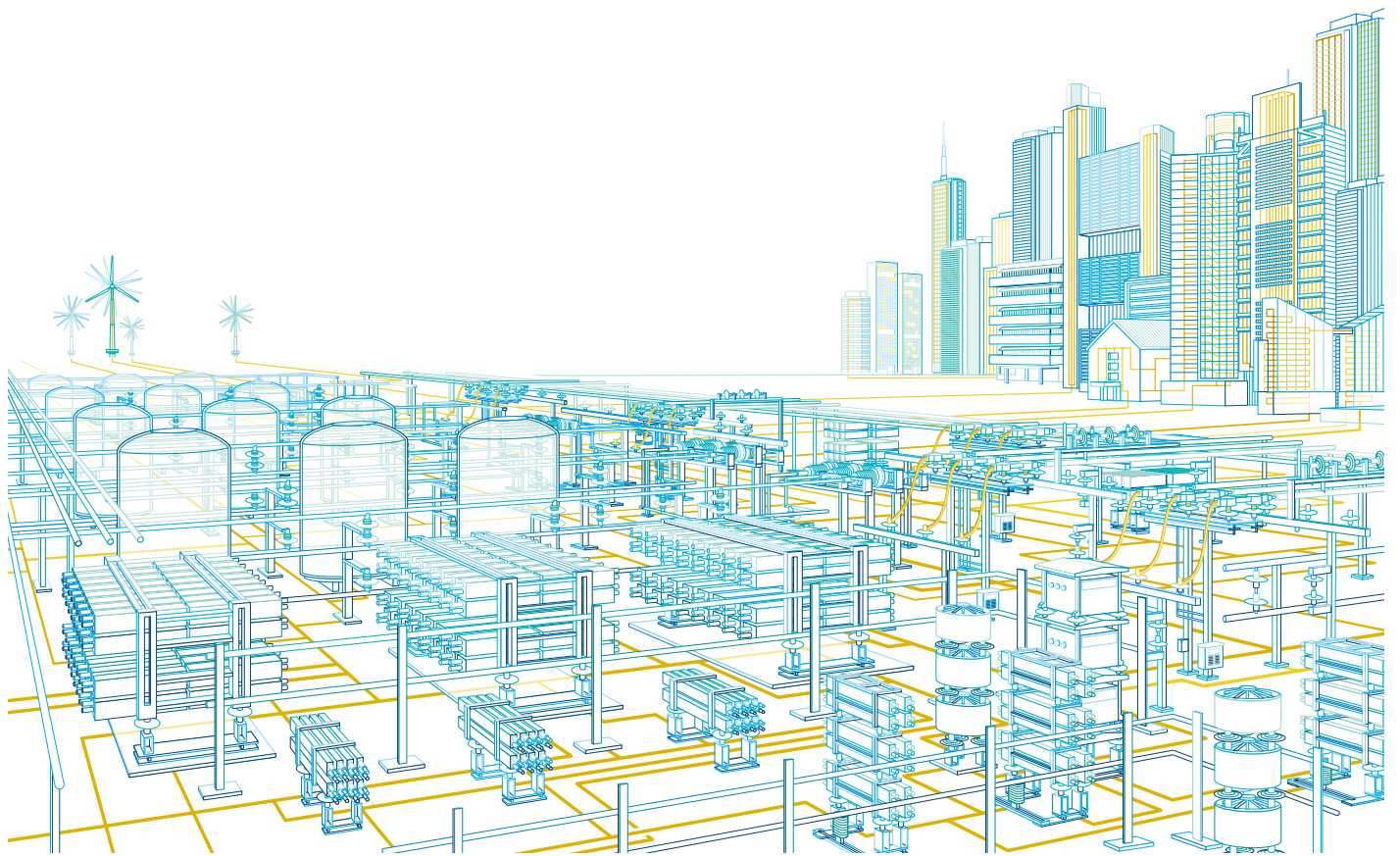
**M10**  
120 mm<sup>2</sup>  
300 Kcmil

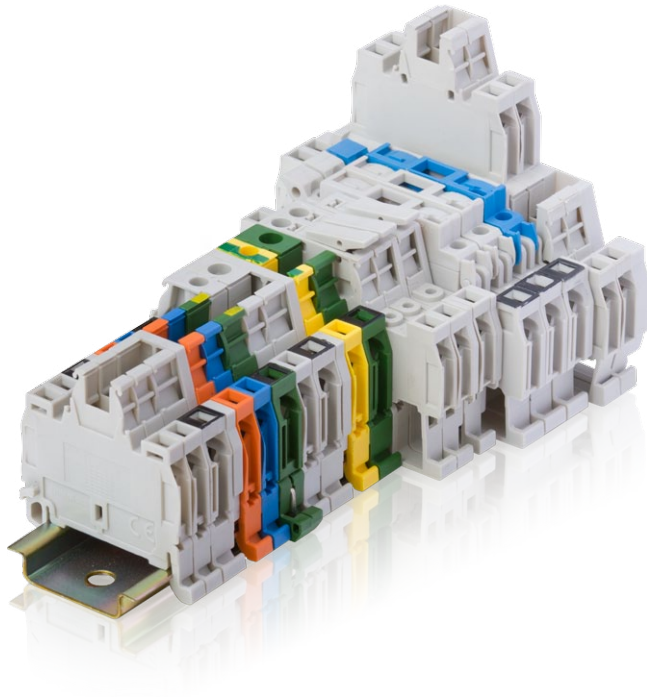


**M12**  
185 mm<sup>2</sup>  
500 Kcmil



**M16**  
300 mm<sup>2</sup>  
1 000 Kcmil





# Solution series, terminal blocks

## ADO System® IDC technology



|                           |    |
|---------------------------|----|
| Technologies presentation | 12 |
| Overview                  | 14 |

### ADO / screw clamp

#### Feed-through

|                              |            |    |
|------------------------------|------------|----|
| 1 mm <sup>2</sup> / 18 AWG   | D2.5/5.ADO | 17 |
| 1.5 mm <sup>2</sup> / 16 AWG | D4/6.ADO   | 18 |
| 2.5 mm <sup>2</sup> / 14 AWG | D6/8.ADO   | 20 |
| 4 mm <sup>2</sup> / 12 AWG   | D6/8.ADO3  | 22 |

#### Ground

|                              |              |    |
|------------------------------|--------------|----|
| 1 mm <sup>2</sup> / 18 AWG   | D2.5/5.P.ADO | 23 |
| 1.5 mm <sup>2</sup> / 16 AWG | D4/6.P.ADO   | 24 |
| 2.5 mm <sup>2</sup> / 14 AWG | D6/8.P.ADO   | 25 |
| 4 mm <sup>2</sup> / 12 AWG   | D6/8.P.ADO3  | 26 |

#### Double deck

|                              |             |    |
|------------------------------|-------------|----|
| 1.5 mm <sup>2</sup> / 16 AWG | D4/6.D2.ADO | 27 |
| 2.5 mm <sup>2</sup> / 14 AWG | D6/8.D2.ADO | 28 |

#### Disconnect with blade

|                              |               |    |
|------------------------------|---------------|----|
| 1 mm <sup>2</sup> / 18 AWG   | D2.5/5.SN.ADO | 29 |
| 1.5 mm <sup>2</sup> / 16 AWG | D4/6.SN.ADO   | 31 |
| 2.5 mm <sup>2</sup> / 14 AWG | D4/8.SN.ADO   | 33 |

#### For 5 x 20 and 5 x 25 mm fuse (0.197 x 0.787 in and 0.197 x 0.984 in)

|                              |                  |          |
|------------------------------|------------------|----------|
| 1.5 mm <sup>2</sup> / 16 AWG | D4/8.SF...I.ADO  | 34 to 36 |
| 2.5 mm <sup>2</sup> / 14 AWG | D4/8.SF...I.ADO2 | 37 to 38 |

#### Disconnect with lever

|                              |                  |    |
|------------------------------|------------------|----|
| 1.5 mm <sup>2</sup> / 16 AWG | D4/8.SN...I.ADO  | 39 |
| 2.5 mm <sup>2</sup> / 14 AWG | D4/8.SN...I.ADO2 | 40 |

### ADO / ADO

#### Feed-through

|                              |            |    |
|------------------------------|------------|----|
| 1 mm <sup>2</sup> / 18 AWG   | D1/5.ADO   | 41 |
| 1.5 mm <sup>2</sup> / 16 AWG | D1.5/6.ADO | 42 |
| 2.5 mm <sup>2</sup> / 14 AWG | D2.5/8.ADO | 43 |
| 4 mm <sup>2</sup> / 12 AWG   | D4/8.ADO   | 44 |

#### Ground

|                              |              |    |
|------------------------------|--------------|----|
| 1 mm <sup>2</sup> / 18 AWG   | D1/5.P.ADO   | 45 |
| 1.5 mm <sup>2</sup> / 16 AWG | D1.5/6.P.ADO | 46 |
| 2.5 mm <sup>2</sup> / 14 AWG | D2.5/8.P.ADO | 47 |
| 4 mm <sup>2</sup> / 12 AWG   | D4/8.P.ADO   | 48 |

#### Double deck

|                              |               |    |
|------------------------------|---------------|----|
| 1.5 mm <sup>2</sup> / 16 AWG | D1.5/6.D2.ADO | 49 |
|------------------------------|---------------|----|

#### Disconnect with blade

|                              |                 |    |
|------------------------------|-----------------|----|
| 1 mm <sup>2</sup> / 18 AWG   | D1/5.SNT2.ADO   | 50 |
| 1.5 mm <sup>2</sup> / 16 AWG | D1.5/6.SNT2.ADO | 51 |
| 2.5 mm <sup>2</sup> / 14 AWG | D2.5/8.SNT2.ADO | 52 |

#### For 5 x 20 and 5 x 25 mm fuse (0.197 x 0.787 in and 0.197 x 0.984 in)

|                              |                |          |
|------------------------------|----------------|----------|
| 1.5 mm <sup>2</sup> / 16 AWG | D1.5/8.SF.ADO  | 53 to 54 |
| 2.5 mm <sup>2</sup> / 14 AWG | D2.5/8.SF.ADO2 | 55 to 56 |

#### Disconnect with lever

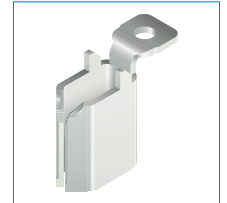
|                              |                |    |
|------------------------------|----------------|----|
| 1.5 mm <sup>2</sup> / 16 AWG | D1.5/8.SNN.ADO | 57 |
| 2.5 mm <sup>2</sup> / 14 AWG | D4/8.SNNT.ADO2 | 58 |

# Solution series, terminal blocks ADO System® IDC technology



## Rely on our expertise

With ADO System®, ABB is the leader in IDC technology since 25 years. More than 4000 customers worldwide are using this technology with success in the most severe environments.



Qualified for worldwide markets and applications  
Eco-designed according to international environmental standards in sustainable development.



## Experience the fastest and the most reliable connection on the market

### Secure your connection process

Tool is **locked** on terminal block **during all connection process**. The conductor requires **no preparation** (no stripping, no ferrule). **Maintenance free** (screwless connection).

**No fatigue** thanks to the use of automatic tool.

Well adapted to special cables.

### Speed up your wiring process and reduce time to market!

**Reduce wiring time up to 80 %** compare to a screw connection with ferrules.

**High speed** Connection process: **less than 3 seconds!**

No preparation of cable, no tightening, no use of ferrules.

Pneumatic tool available for even faster process.

### Trust ADO System® reliability in any environments

ADO System® technology provides **superior performances** and is the best solution for installations with **severe** constraints (continuity of service, clearance for work) as well as strong environmental requirements (**vibrations, corrosion**) This is the reason why today ADO System® is successfully used in **chemical/petrochemical, traction, waste water treatment** environments.



Connection process secured:  
Tool locked on terminal blocks, high speed connection

# ADO System® IDC technology

## The fastest and most reliable connection technology

ADO System® is based on Insulation Displacement Connection (IDC) technology. IDC technology can be found in various applications outside the electrical world. (RJ45 connectors used in Telecom for instance).

Our ADO System® features one single piece which (when associated with its dedicated tool) combines the wire preparation and the wire connection. Its design is made to connect up to two conductors (standard wires as well as special wires) in the same jaw.

### Features

**Contact lips:** allows the electrical contact with a permanent cable contact pressure

**Cone entry shape:** allows the insulation cutting

**ADO System® jaw:** "C shape" spring

**Corrosion proof**

Gas-tight connection  
Contact points are wrapped by the insulation.

Low galvanic couple of copper alloy jaw pinching the wire at two points.

**Vibration proof**

Wire insulation is pinched by the insulating body.

Unstripping insulator absorbs vibrations.

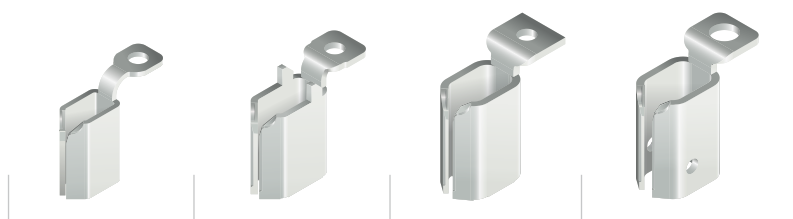
Contact forces are permanently balanced.

**Instructions:**

- 1 Insert the wire (not stripped) in the ADO System® jaw until it butts.
- 2 Position the tool in the recess and pull the trigger fully and release it.
- 3 Remove the trigger. (the tool will not be released if the connection is not completed).
- 4 Follow the same process if a second wire has to be connected (same size and same nature). The first wire preliminary installed, will remain perfectly and safely maintained in the clamp during the second wire cabling process.

Two conductors

From 0.22 mm<sup>2</sup> up to 4 mm<sup>2</sup>  
From 24 AWG up to 12 AWG



# Solution series, terminal blocks

## ADO System® IDC technology

### ADO / screw clamp

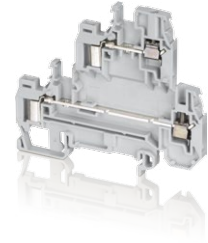
2






Feed-through



Ground



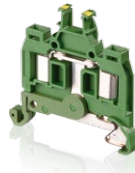
Double deck

| Section             |        |  |               |  |               |  |               |
|---------------------|--------|---|---------------|---|---------------|---|---------------|
| IEC                 | UL/CSA |   |               |   |               |   |               |
| 1 mm <sup>2</sup>   | 18 AWG | D2.5/5.ADO  | 5 mm 0.197 in | D2.5/5.PADO   | 5 mm 0.197 in |   |               |
| 1.5 mm <sup>2</sup> | 16 AWG | D4/6.ADO  | 6 mm 0.236 in | D4/6.PADO   | 6 mm 0.236 in | D4/6.D2.ADO   | 6 mm 0.236 in |
| 2.5 mm <sup>2</sup> | 14 AWG | D6/8.ADO  | 8 mm 0.315 in | D6/8.PADO   | 8 mm 0.315 in | D6/8.D2.ADO   | 8 mm 0.315 in |
| 4 mm <sup>2</sup>   | 12 AWG | D6/8.ADO3   | 8 mm 0.315 in | D6/8.PADO3  | 8 mm 0.315 in |   |               |

### ADO / ADO






Feed-through



Ground



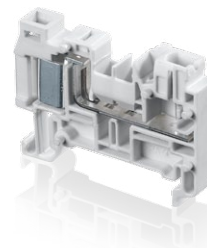
Double deck

| Section             |        |  |               |  |               |  |               |
|---------------------|--------|---|---------------|---|---------------|---|---------------|
| IEC                 | UL/CSA |   |               |   |               |   |               |
| 1 mm <sup>2</sup>   | 18 AWG | D1/5.ADO  | 5 mm 0.197 in | D1/5.PADO   | 5 mm 0.197 in |   |               |
| 1.5 mm <sup>2</sup> | 16 AWG | D1.5/6.ADO  | 6 mm 0.236 in | D1.5/6.PADO   | 6 mm 0.236 in | D1.5/6.D2.ADO   | 6 mm 0.236 in |
| 2.5 mm <sup>2</sup> | 14 AWG | D2.5/8.ADO  | 8 mm 0.315 in | D2.5/8.PADO   | 8 mm 0.315 in |   |               |
| 4 mm <sup>2</sup>   | 12 AWG | D4/8.ADO  | 8 mm 0.315 in | D4/8.PADO   | 8 mm 0.315 in |   |               |

Complementary functions: see related chapters in this catalog



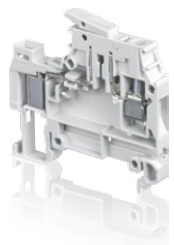
Miniblocks



Pluggable

All the technical data for UL/CSA standard and dimensions in inches are in italic.

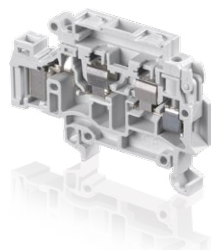




Disconnect with blade



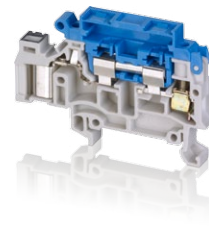
|                      |                      |
|----------------------|----------------------|
| <b>D2.5/5.SN.ADO</b> | 5 mm <i>0.197 in</i> |
| <b>D4/6.SN.ADO</b>   | 6 mm <i>0.236 in</i> |
| <b>D4/8.SN.ADO</b>   | 8 mm <i>0.315 in</i> |



Fuse



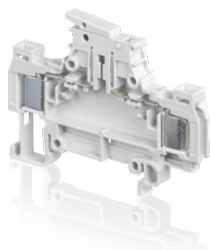
|                         |                      |
|-------------------------|----------------------|
| <b>D4/8.SF...I.ADO</b>  | 8 mm <i>0.315 in</i> |
| <b>D4/8.SF...I.ADO2</b> | 8 mm <i>0.315 in</i> |



Disconnect with lever



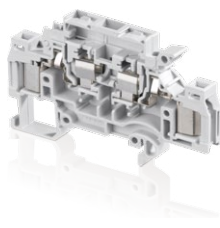
|                         |                      |
|-------------------------|----------------------|
| <b>D4/8.SN...I.ADO</b>  | 8 mm <i>0.315 in</i> |
| <b>D4/8.SN...I.ADO2</b> | 8 mm <i>0.315 in</i> |



Disconnect with blade



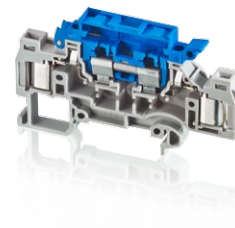
|                        |                      |
|------------------------|----------------------|
| <b>D1/5.SNT2.ADO</b>   | 5 mm <i>0.197 in</i> |
| <b>D1.5/6.SNT2.ADO</b> | 6 mm <i>0.236 in</i> |
| <b>D2.5/8.SNT2.ADO</b> | 8 mm <i>0.315 in</i> |



Fuse



|                       |                      |
|-----------------------|----------------------|
| <b>D1.5/8.SF.ADO</b>  | 8 mm <i>0.315 in</i> |
| <b>D2.5/8.SF.ADO2</b> | 8 mm <i>0.315 in</i> |



Disconnect with lever



|                         |                      |
|-------------------------|----------------------|
| <b>D1.5/8.SNN.ADO</b>   | 8 mm <i>0.315 in</i> |
| <b>D2.5/8.SNNT.ADO2</b> | 8 mm <i>0.315 in</i> |

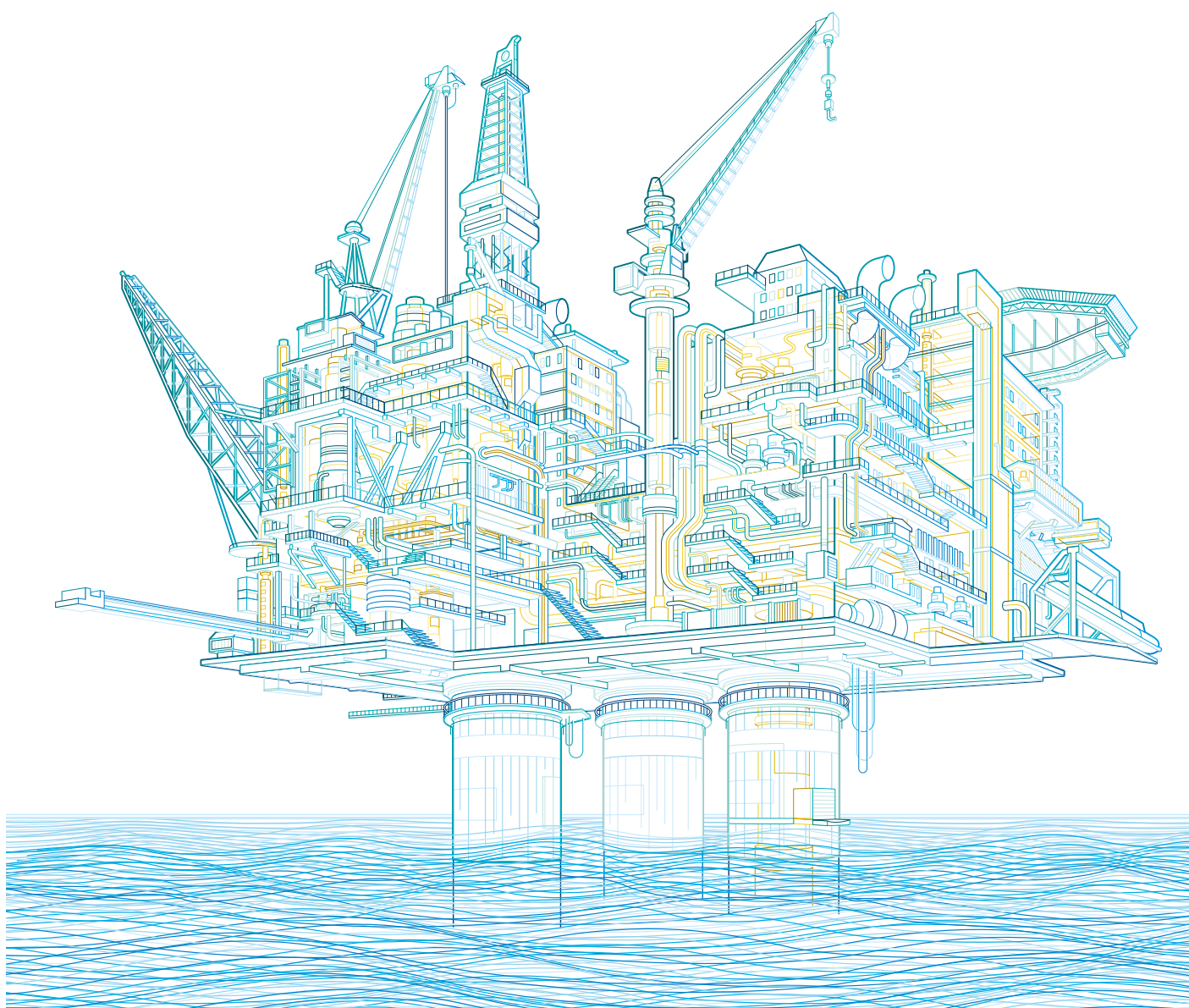


Sensors / actuators



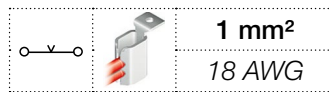
Component holders

All the technical data for UL/CSA standard and dimensions in inches are in italic.

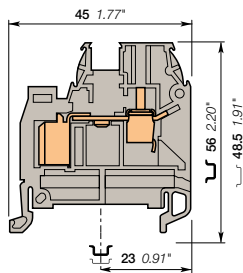


# D2.5/5.ADO IDC terminal blocks

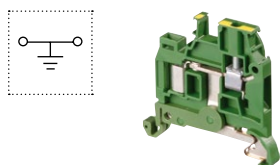
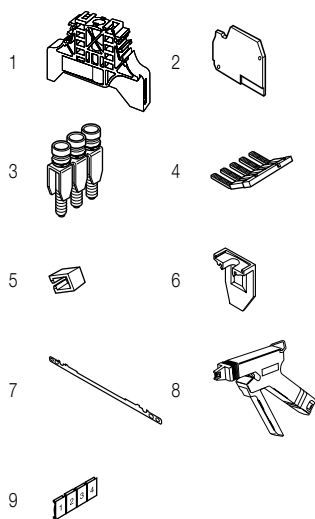
## Feed-through ADO - screw clamp - 5 mm 0.197 in spacing



D2.5/5.ADO



5 mm 0.197 in spacing



### Description

- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description  | Color  | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|--------|--------------|-----------------|---------|------------------|
| Feed-through | Grey   | D2.5/5.ADO   | 1SNA199554R2300 | 50      | 6.00             |
|              | Blue   | D2.5/5.N.ADO | 1SNA199556R2500 | 50      | 6.00             |
|              | Orange | D2.5/5.ADO   | 1SNA199555R2400 | 50      | 6.00             |

### Main technical data

|   |                                 | IEC            | UL | CSA          | Mounting instructions |  |
|---|---------------------------------|----------------|----|--------------|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded        | 0.2-1 mm²      |    | 24-18 AWG    | Rail                  | TH 35-7.5, TH 35-15                        |
|   | Flexible                        | 0.22-1 mm²     |    | 24-18 AWG    | Wire stripping length | 9.5 mm 0.37 in                             |
| Screw clamp                             | Rigid - Solid / Stranded        | 0.2-4 mm²      |    | 22-12 AWG    | Tool                  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
|   | Flexible with insulated ferrule | 0.22-2.5 mm²   |    |              |                       |  |
|   | Gauge                           | A3             |    |              |                       |  |
| Rated current / Rated cross section     |                                 | 13.5 A / 1 mm² |    | 7 A / 18 AWG | Torque                | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in           |
| Rated short-time withstand current (1s) |                                 | 120 A          |    |              |                       |  |
| Rated voltage                           |                                 | 1000 V         |    | 600 V        |                       |  |
| Impulse withstand voltage               |                                 | 8000 V         |    |              |                       |  |
| Protection                              |                                 | IP20           |    | NEMA 1       |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |        |        |  |  |  |  |
|------|--------|--------|--|--|--|--|
| RoHS | cCSAus | Gost R |  |  |  |  |
|------|--------|--------|--|--|--|--|

### Accessories

| Description              | Color | Type                               | Order code      | Pkg pce         | Weight (1 pce) g |        |
|--------------------------|-------|------------------------------------|-----------------|-----------------|------------------|--------|
| 1 End stops              | Grey  | BAM2                               | 1SNA206351R1600 | 50              | 12.00            |        |
|                          |       | BADL                               | 1SNA399903R0200 | 50              | 4.70             |        |
| 2 End sections           | Grey  | FEDAD1                             | 1SNA199336R2000 | 20              | 2.50             |        |
| 3 Jumper bars            |       | 2 poles 24 A                       | BJMI5-2         | 1SNA176278R1600 | 10               | 3.30   |
|                          |       | 3 poles                            | BJMI5-3         | 1SNA176279R1700 | 10               | 5.00   |
|                          |       | 4 poles                            | BJMI5-4         | 1SNA176280R0500 | 10               | 6.70   |
|                          |       | 5 poles                            | BJMI5-5         | 1SNA176281R2200 | 10               | 8.40   |
|                          |       | 10 poles                           | BJMI5-10        | 1SNA176282R2300 | 10               | 16.90  |
| 4 Lateral jumper bars    | Grey  | 2 poles 30 A                       | PC5-2           | 1SNA113542R1000 | 10               | 1.80   |
|                          |       | 10 poles                           | PC5-10          | 1SNA113544R1200 | 10               | 6.00   |
| 5 Insulating tips        |       | For lateral jumper bars type PC... | EIP             | 1SNA113550R2400 | 10               |        |
| 6 Circuit separators     | Grey  |                                    | SCAD5           | 1SNA199551R2000 | 10               | 0.30   |
| 7 Shield connectors      |       |                                    | CBM5            | 1SNA178745R1400 | 50               |        |
| 8 Tools                  |       | Semi automatic tool                | OUPAD           | 1SNA178944R0400 | 1                | 205.00 |
|                          |       | Hand tool                          | OUMAD           | 1SNA179466R0600 | 1                | 29.00  |
|                          |       |                                    | RC510           | 1SNA231000R0700 | 1                | 5.20   |
| 9 Terminal block markers | White | Blank card                         |                 |                 |                  |        |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

### Ground IDC terminal blocks

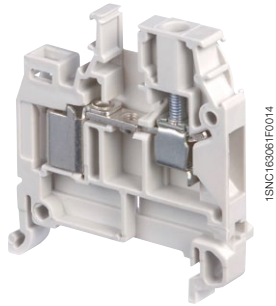
| Description                            | Color        | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------|--------------|-----------------|---------|------------------|
| Ground Profile aligned with D2.5/5.ADO | Green-yellow | D2.5/5.P.ADO | 1SNA399030R0500 | 50      | 9.00             |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

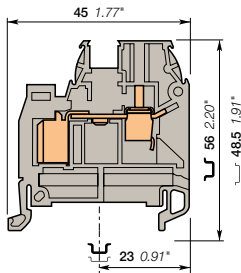
# D4/6.ADO IDC terminal blocks

## Feed-through ADO - screw clamp - 6 mm 0.236 in spacing

2



D4/6.ADO



### Description

- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description  | Color                           | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|---------------------------------|------------|-----------------|---------|------------------|
| Feed-through | Grey <input type="checkbox"/>   | D4/6.ADO   | 1SNA199034R1500 | 50      | 7.00             |
|              | Blue <input type="checkbox"/>   | D4/6.N.ADO | 1SNA199036R1700 | 50      | 7.00             |
|              | Orange <input type="checkbox"/> | D4/6.ADO   | 1SNA199035R1600 | 50      | 7.00             |

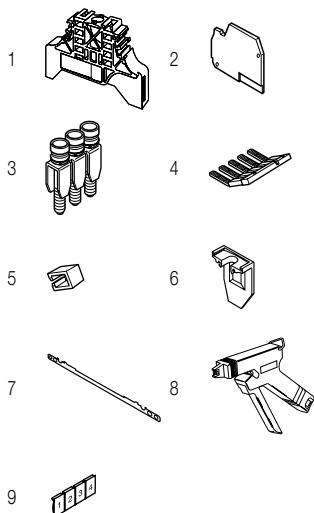
### Main technical data

|   |                                 | IEC                          | UL            | CSA           | Mounting instructions |  |
|---|---------------------------------|------------------------------|---------------|---------------|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded        | 0.34-1.5 mm <sup>2</sup>     | 22-16 AWG     | 22-16 AWG     | Rail                  | TH 35-7.5, TH 35-15                      |
|   | Flexible                        | 0.34-1.5 mm <sup>2</sup>     |               |               | Wire stripping length | 9.5 mm 0.37 in                           |
| Screw clamp                             | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>        | 22-10 AWG     | 22-10 AWG     | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
|   | Flexible with insulated ferrule | 0.22-4 mm <sup>2</sup>       |               |               |                       |  |
|   | Gauge                           | A4                           |               |               | Torque                | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| Rated current / Rated cross section     |                                 | 17.5 A / 1.5 mm <sup>2</sup> | 18 A / 16 AWG | 18 A / 16 AWG |                       |  |
| Rated short-time withstand current (1s) |                                 | 180 A                        |               |               |                       |  |
| Rated voltage                           |                                 | 1000 V                       | 600 V         | 600 V         |                       |  |
| Impulse withstand voltage               |                                 | 8000 V                       |               |               |                       |  |
| Protection                              |                                 | IP20                         | NEMA 1        |               |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



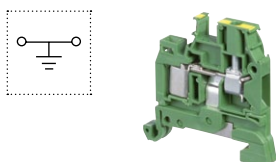
6 mm 0.236 in spacing



### Accessories

| Description              | Color                          | Type                               | Order code | Pkg pce         | Weight (1 pce) g |
|--------------------------|--------------------------------|------------------------------------|------------|-----------------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>  | 10 mm 0.394 in                     | BAM2       | 1SNA206351R1600 | 50 12.00         |
|                          |                                | 9 mm 0.354 in                      | BADL       | 1SNA39903R0200  | 50 4.70          |
| 2 End sections           | Grey <input type="checkbox"/>  | 3 mm 0.118 in                      | FEDAD1     | 1SNA199336R2000 | 20 2.50          |
| 3 Jumper bars            |                                | 2 poles 32 A                       | BJM16-2    | 1SNA176663R0000 | 10 4.40          |
|                          |                                | 3 poles                            | BJM16-3    | 1SNA176664R0100 | 10 6.70          |
|                          |                                | 4 poles                            | BJM16-4    | 1SNA176665R0200 | 10 8.90          |
|                          |                                | 5 poles                            | BJM16-5    | 1SNA176666R0300 | 10 11.20         |
|                          |                                | 10 poles                           | BJM16-10   | 1SNA176667R0400 | 10 22.40         |
| 4 Lateral jumper bars    | Grey <input type="checkbox"/>  | 2 poles 35 A                       | PC6-2      | 1SNA113546R1400 | 10 2.00          |
|                          |                                | 10 poles                           | PC6-10     | 1SNA113548R2600 | 10 8.00          |
| 5 Insulating tips        |                                | For lateral jumper bars type PC... | EIP        | 1SNA113550R2400 | 10               |
| 6 Circuit separators     | Grey <input type="checkbox"/>  | 0 mm 0 in                          | SCAD       | 1SNA196896R0000 | 10               |
| 7 Shield connectors      |                                |                                    | CBM5       | 1SNA178745R1400 | 50               |
|                          |                                |                                    | OUPAD      | 1SNA178944R0400 | 1 205.00         |
| 8 Tools                  |                                | Semi automatic tool                | OUMAD      | 1SNA179466R0600 | 1 29.00          |
|                          |                                | Hand tool                          |            |                 |                  |
| 9 Terminal block markers | White <input type="checkbox"/> | Blank card                         | RC610      | 1SNA233000R0100 | 1 7.50           |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



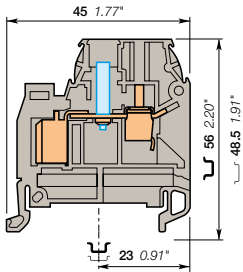
### Ground IDC terminal blocks

| Description | Color                                 | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|---------------------------------------|------------|-----------------|---------|------------------|
| Ground      | Green-yellow <input type="checkbox"/> | D4/6.P.ADO | 1SNA199050R0100 | 50      | 11.00            |

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D4/6.ADO IDC terminal blocks

## Feed-through ADO - screw clamp - 6 mm 0.236 in spacing



6 mm 0.236 in spacing



1

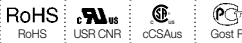
With test socket DIA 2 mm 0.079 in

### Ordering details

| Description  | Color                         | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|------------|-----------------|---------|------------------|
| Feed-through With test socket<br>DIA 2 mm 0.079 in | Grey <input type="checkbox"/> | D4/6.ADO.2 | 1SNA199064R2300 | 50      | 8.00             |

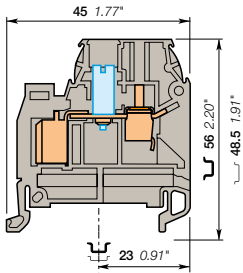
| Main technical data       | IEC    | UL     | CSA   | Nota |
|---------------------------|--------|--------|-------|------|
| Rated voltage             | 800 V  | 600 V  | 600 V |      |
| Impulse withstand voltage | 8000 V |        |       |      |
| Protection                | IP20   | NEMA 1 |       |      |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Accessories

| Description                    | Color                                     | Type | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------|---|------|-----------------|---------|------------------|
| 1 Test plugs DIA 2 mm 0.079 in | Black <input checked="" type="checkbox"/> | FC2  | 1SNA007865R2600 | 100     |                  |



6 mm 0.236 in spacing



1

With test socket DIA 4 mm 0.157 in

### Ordering details

| Description  | Color                         | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|------------|-----------------|---------|------------------|
| Feed-through With test socket<br>DIA 4 mm 0.157 in | Grey <input type="checkbox"/> | D4/6.ADO.4 | 1SNA199048R0300 | 50      | 8.00             |

| Main technical data       | IEC    | UL    | CSA   | Nota |
|---------------------------|--------|-------|-------|------|
| Rated voltage             | 800 V  | 600 V | 600 V |      |
| Impulse withstand voltage | 8000 V |       |       |      |
| Protection                | IP10   | NEMA  |       |      |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Accessories

| Description                    | Color                          | Type | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------|--------------------------------|------|-----------------|---------|------------------|
| 1 Test plugs DIA 4 mm 0.157 in | White <input type="checkbox"/> | FC4  | 1SNA167860R0100 | 10      | 10.00            |

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D6/8.ADO IDC terminal blocks

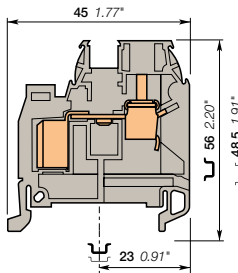
## Feed-through ADO - screw clamp - 8 mm 0.315 in spacing



2



D6/8.ADO



8 mm 0.315 in spacing

### Description

- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description   | Color  | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|---|--------|------------|-----------------|---------|------------------|
| Feed-through With black marking for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG) | Grey   | D6/8.ADO   | 1SNA199042R2500 | 50      | 11.00            |
|   | Blue   | D6/8.N.ADO | 1SNA199044R2700 | 50      | 11.00            |
|   | Orange | D6/8.ADO   | 1SNA199043R2600 | 50      | 11.00            |

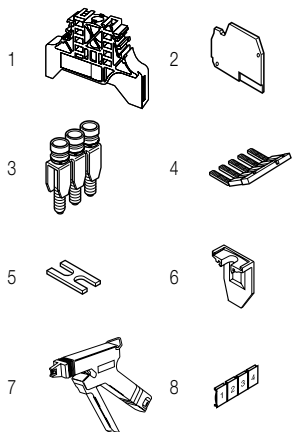
### Main technical data

|   |                                      | IEC  | UL            | CSA           |                       |  |
|---|--------------------------------------|--|---------------|---------------|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible | 1-2.5 mm <sup>2</sup><br>1-2.5 mm <sup>2</sup> | 16-14 AWG     | 16-14 AWG     | Rail                  | TH 35-7.5,<br>TH 35-15                               |
| Screw clamp                             | Rigid - Solid / Stranded             | 0.2-10 mm <sup>2</sup>                         | 22-8 AWG      | 22-8 AWG      | Wire stripping length | 12 mm<br>0.47 in                                     |
|   | Flexible with insulated ferrule      | 0.22-6 mm <sup>2</sup>                         |               |               | Tool                  | Flat screwdriver<br>Ø 4 - 5 mm<br>Ø 0.157 - 0.197 in |
|   | Gauge                                | A5   |               |               | Torque                | 0.8 - 1 N.m<br>7.1 - 8.9 lb.in                       |
| Rated current / Rated cross section     |                                      | 24 A / 2.5 mm <sup>2</sup>                     | 25 A / 14 AWG | 25 A / 14 AWG |                       |  |
| Rated short-time withstand current (ts) |                                      | 300 A  |               |               |                       |  |
| Rated voltage                           |                                      | 1000 V   | 600 V         | 600 V         |                       |  |
| Impulse withstand voltage               |                                      | 8000 V   |               |               |                       |  |
| Protection                              |                                      | IP20   | NEMA 1        |               |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

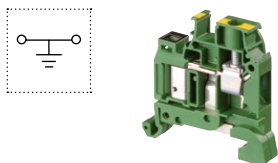
|      |      |         |        |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------|------|---------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| RoHS | RoHS | USR CNR | cCSAus | Gost R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------|------|---------|--------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

### Accessories



| Description              | Color | Type  | Order code      | Pkg pce  | Weight (1 pce) g |    |        |
|--------------------------|-------|---|-----------------|----------|------------------|----|--------|
| 1 End stops              | Grey  | BAM2  | 1SNA206351R1600 | 50       | 12.00            |    |        |
|                          |       | BADL  | 1SNA399903R0200 | 50       | 4.70             |    |        |
| 2 End sections           | Grey  | FEDAD1  | 1SNA199336R2000 | 20       | 2.50             |    |        |
| 3 Jumper bars            |       | 2 poles   | 41 A            | BJM18-2  | 1SNA176669R1600  | 10 | 4.50   |
|                          |       | 3 poles   |                 | BJM18-3  | 1SNA176670R1300  | 10 | 6.00   |
|                          |       | 4 poles   |                 | BJM18-4  | 1SNA176671R0000  | 10 | 10.00  |
|                          |       | 5 poles   |                 | BJM18-5  | 1SNA176672R0100  | 10 | 12.22  |
|                          |       | 10 poles  |                 | BJM18-10 | 1SNA176673R0200  | 10 | 20.00  |
| 4 Lateral jumper bars    |       | 2 poles   | 50 A            | PC8-2    | 1SNA116538R1700  | 10 | 3.00   |
|                          |       | 10 poles  |                 | PC8-10   | 1SNA163313R2400  | 10 | 14.00  |
| 5 Cross spacing jumpers  |       | 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in   |                 | EL6      | 1SNA173627R2100  | 10 | 0.10   |
|                          |       | Universal screw jumper bar kit N <sup>II</sup>  |                 | BJDP1    | 1SNA179623R0300  | 10 | 7.00   |
|                          |       | Universal screw jumper bar kit N <sup>III</sup> |                 | BJDP3    | 1SNA179625R0500  | 10 | 5.00   |
| 6 Circuit separators     | Grey  | SCAD  | 1SNA196896R0000 | 10       |                  |    |        |
| 7 Tools                  |       | Semi automatic tool                             |                 | OUPAD    | 1SNA178944R0400  | 1  | 205.00 |
|                          |       | Hand tool                                       |                 | OUMAD    | 1SNA179466R0600  | 1  | 29.00  |
| 8 Terminal block markers | White | RC810   | 1SNA234000R0200 | 1        | 8.20             |    |        |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



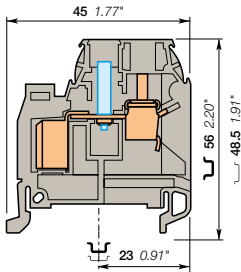
### Ground IDC terminal blocks

| Description                          | Color        | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------------|--------------|------------|-----------------|---------|------------------|
| Ground Profile aligned with D6/8.ADO | Green-yellow | D6/8.P.ADO | 1SNA199118R2600 | 50      | 14.00            |

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D6/8.ADO IDC terminal blocks

## Feed-through ADO - screw clamp - 8 mm 0.315 in spacing



8 mm 0.315 in spacing



### With test socket DIA 2 mm 0.079 in

#### Ordering details

| Description  | Color                         | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|------------|-----------------|---------|------------------|
| <b>Feed-through</b> With test socket DIA 2 mm 0.079 in and black marking for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG) | Grey <input type="checkbox"/> | D6/8.ADO.2 | 1SNA199155R2300 | 50      | 12.00            |

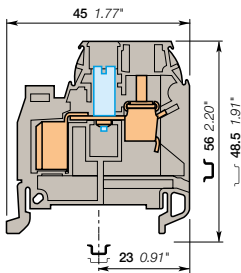
| Main technical data              | IEC    | UL     | CSA   | Nota |
|----------------------------------|--------|--------|-------|------|
| <b>Rated voltage</b>             | 1000 V | 600 V  | 600 V |      |
| <b>Impulse withstand voltage</b> | 8000 V |        |       |      |
| <b>Protection</b>                | IP20   | NEMA 1 |       |      |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

| RoHS | UL | CSA | PC |
|------|----|-----|----|
| RoHS | UL | CSA | PC |

#### Accessories

| Description                           | Color                                     | Type | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------------|---|------|-----------------|---------|------------------|
| <b>1 Test plugs</b> DIA 2 mm 0.079 in | Black <input checked="" type="checkbox"/> | FC2  | 1SNA007865R2600 | 100     |                  |



8 mm 0.315 in spacing



### With test socket DIA 4 mm 0.157 in

#### Ordering details

| Description  | Color                         | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|------------|-----------------|---------|------------------|
| <b>Feed-through</b> With test socket DIA 4 mm 0.157 in and black marking for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG) | Grey <input type="checkbox"/> | D6/8.ADO.4 | 1SNA199157R2500 | 50      | 12.00            |

| Main technical data              | IEC    | UL    | CSA   | Nota |
|----------------------------------|--------|-------|-------|------|
| <b>Rated voltage</b>             | 800 V  | 600 V | 600 V |      |
| <b>Impulse withstand voltage</b> | 8000 V |       |       |      |
| <b>Protection</b>                | IP10   | NEMA  |       |      |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

| RoHS | UL | CSA | PC |
|------|----|-----|----|
| RoHS | UL | CSA | PC |

#### Accessories

| Description                           | Color                          | Type | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------------|--------------------------------|------|-----------------|---------|------------------|
| <b>1 Test plugs</b> DIA 4 mm 0.157 in | White <input type="checkbox"/> | FC4  | 1SNA167860R0100 | 10      | 10.00            |

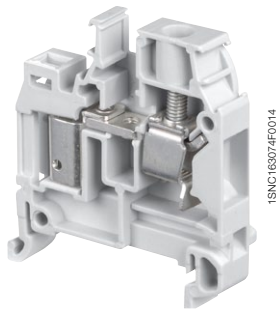
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D6/8.ADO IDC terminal blocks

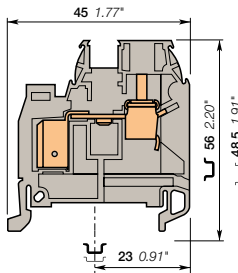
## Feed-through ADO - screw clamp - 8 mm 0.315 in spacing



2



D6/8.ADO



8 mm 0.315 in spacing

### Description

- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp.

### Ordering details

| Description  | Color                           | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|--|---------------------------------|-------------|-----------------|---------|------------------|
| Feed-through With white marking for wire size 4 mm2 (12 AWG) | Grey <input type="checkbox"/>   | D6/8.ADO3   | 1SNA399245R1500 | 50      | 11.00            |
|  | Blue <input type="checkbox"/>   | D6/8.N.ADO3 | 1SNA399319R1700 | 50      | 11.00            |
|  | Orange <input type="checkbox"/> | D6/8.ADO3   | 1SNA399800R1700 | 50      | 11.00            |

### Main technical data

|   |                                 | IEC          | UL | CSA           | Mounting instructions |  |
|---|---------------------------------|--------------|----|---------------|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded        | 4 mm²        |    | 12 AWG        | Rail                  | TH 35-7.5, TH 35-15                            |
|   | Flexible                        | 4 mm²        |    | 12 AWG        | Wire stripping length | 12 mm 0.47 in                                  |
| Screw clamp                             | Rigid - Solid / Stranded        | 0.2-10 mm²   |    | 22-8 AWG      | Tool                  | Flat screwdriver Ø 4 - 5 mm Ø 0.157 - 0.197 in |
|   | Flexible with insulated ferrule | 0.22-6 mm²   |    |               |                       |  |
|   | Gauge                           | A5           |    |               | Torque                | 0.8 - 1 N.m 7.1 - 8.9 lb.in                    |
| Rated current / Rated cross section     |                                 | 32 A / 4 mm² |    | 25 A / 12 AWG |                       |  |
| Rated short-time withstand current (1s) |                                 | 480 A        |    |               |                       |  |
| Rated voltage                           |                                 | 1000 V       |    | 600 V         |                       |  |
| Impulse withstand voltage               |                                 | 8000 V       |    |               |                       |  |
| Protection                              |                                 | IP20         |    | NEMA 1        |                       |  |

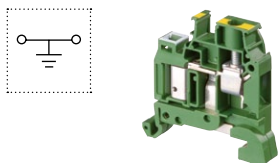
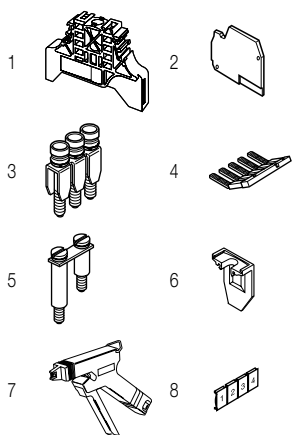
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |        |        |
|------|--------|--------|
| RoHS | cCSAus | Gost R |
|------|--------|--------|

### Accessories

| Description              | Color                          | Type   | Order code      | Pkg pce  | Weight (1 pce) g |    |        |
|--------------------------|--------------------------------|--|-----------------|----------|------------------|----|--------|
| 1 End stops              | Grey <input type="checkbox"/>  | BAM2   | 1SNA206351R1600 | 50       | 12.00            |    |        |
|                          |                                | BADL   | 1SNA399903R0200 | 50       | 4.70             |    |        |
| 2 End sections           | Grey <input type="checkbox"/>  | FEDAD1   | 1SNA199336R2000 | 20       | 2.50             |    |        |
| 3 Jumper bars            |                                | 2 poles  | 41 A            | BJM18-2  | 1SNA176669R1600  | 10 | 4.50   |
|                          |                                | 3 poles  |                 | BJM18-3  | 1SNA176670R1300  | 10 | 6.00   |
|                          |                                | 4 poles  |                 | BJM18-4  | 1SNA176671R0000  | 10 | 10.00  |
|                          |                                | 5 poles  |                 | BJM18-5  | 1SNA176672R0100  | 10 | 12.22  |
|                          |                                | 10 poles   |                 | BJM18-10 | 1SNA176673R0200  | 10 | 20.00  |
| 4 Lateral jumper bars    |                                | 2 poles  | 50 A            | PC8-2    | 1SNA116538R1700  | 10 | 3.00   |
|                          |                                | 10 poles   |                 | PC8-10   | 1SNA163313R2400  | 10 | 14.00  |
| 5 Cross spacing jumpers  |                                | Universal screw jumper bar kit N <sup>PI</sup>   |                 | BJDP1    | 1SNA179623R0300  | 10 | 7.00   |
|                          |                                | Universal screw jumper bar kit N <sup>PIII</sup> |                 | BJDP3    | 1SNA179625R0500  | 10 | 5.00   |
| 6 Circuit separators     | Grey <input type="checkbox"/>  | SCAD   | 1SNA196896R0000 | 10       |                  |    |        |
| 7 Tools                  |                                | Semi automatic tool                              |                 | OUPAD    | 1SNA178944R0400  | 1  | 205.00 |
|                          |                                | Hand tool  |                 | OUMAD    | 1SNA179466R0600  | 1  | 29.00  |
| 8 Terminal block markers | White <input type="checkbox"/> | RC810  | 1SNA234000R0200 | 1        | 8.20             |    |        |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



### Ground IDC terminal blocks

| Description                          | Color                                 | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------------|---------------------------------------|-------------|-----------------|---------|------------------|
| Ground Profile aligned with D6/8 ADO | Green-yellow <input type="checkbox"/> | D6/8.P.ADO3 | 1SNA399251R1300 | 50      | 14.00            |

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

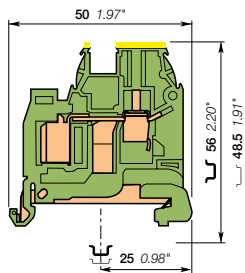


# D2.5/5.P.ADO IDC terminal blocks

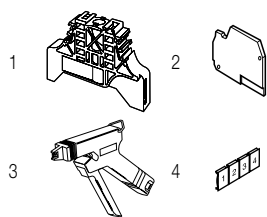
## Ground ADO - screw clamp - 5 mm 0.197 in spacing



D2.5/5.P.ADO



5 mm 0.197 in spacing



### Description

- Protect your installation in the event of a short-circuit thanks to our screwless rail contact non operator dependent,
- Secure mounting or removal from the rail,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description | Color                     | Type         | Order code   | Pkg pce         | Weight (1 pce) g |
|-------------|---------------------------|--------------|--------------|-----------------|------------------|
| Ground      | Screwless rail connection | Green-yellow | D2.5/5.P.ADO | 1SNA399030R0500 | 50 9.00          |

### Main technical data

|   |                                 | IEC          | UL     | CSA       | Mounting instructions |  |
|---|---------------------------------|--------------|--------|-----------|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded        | 0.2-1 mm²    |        | 24-18 AWG | Rail                  | TH 35-7.5, TH 35-15                        |
|   | Flexible                        | 0.22-1 mm²   |        |           | Wire stripping length | 9.5 mm 0.37 in                             |
| Screw clamp                             | Rigid - Solid / Stranded        | 0.2-4 mm²    |        | 22-12 AWG | Tool                  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
|   | Flexible with insulated ferrule | 0.22-2.5 mm² |        |           |                       |  |
|   | Gauge                           | A3           |        |           |                       |  |
| Rated cross section                     |                                 | 1 mm²        |        | 18 AWG    | Torque                | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in           |
| Rated short-time withstand current (1s) |                                 | 120 A        |        |           |                       |  |
| Protection                              |                                 | IP20         | NEMA 1 |           |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |        |        |
|------|--------|--------|
| RoHS | cCSAus | Gost R |
|------|--------|--------|

### Accessories

| Description              | Color | Type                | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|-------|---------------------|-----------------|---------|------------------|
| 1 End stops              | Grey  | BAM2                | 1SNA206351R1600 | 50      | 12.00            |
|                          |       | BADL                | 1SNA399030R0200 | 50      | 4.70             |
| 2 End sections           | Grey  | FEDAD1              | 1SNA199336R2000 | 20      | 2.50             |
| 3 Tools                  |       | Semi automatic tool | OUPAD           | 1       | 205.00           |
|                          |       | Hand tool           | OUMAD           | 1       | 29.00            |
| 4 Terminal block markers | White | Blank card          | RC510           | 1       | 5.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D4/6.P.ADO IDC terminal blocks

## Ground ADO - screw clamp - 6 mm 0.236 in spacing

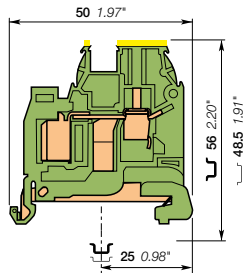


2



1SNC16306R0014

D4/6.P.ADO



6 mm 0.236 in spacing

### Description

- Protect your installation in the event of a short-circuit thanks to our screwless rail contact non operator dependent,
- Secure mounting or removal from the rail,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description | Color                                   | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|---|------------|-----------------|---------|------------------|
| Ground      | Screwless rail connection: Green-yellow | D4/6.P.ADO | 1SNA199050R0100 | 50      | 11.00            |

### Main technical data

|   |                          | IEC                      | UL        | CSA       |
|---|--------------------------|--------------------------|-----------|-----------|
| ADO                                     | Rigid - Solid / Stranded | 0.34-1.5 mm <sup>2</sup> | 22-16 AWG | 22-16 AWG |
|   | Flexible                 | 0.34-1.5 mm <sup>2</sup> |           |           |
| Screw clamp                             | Rigid - Solid / Stranded | 0.2-4 mm <sup>2</sup>    | 22-10 AWG | 22-10 AWG |
|   | Flexible                 | 0.22-4 mm <sup>2</sup>   |           |           |
|   | with insulated ferrule   |                          |           |           |
|   | Gauge                    | A4                       |           |           |
| Rated cross section                     |                          | 1.5 mm <sup>2</sup>      | 16 AWG    | 16 AWG    |
| Rated short-time withstand current (1s) |                          | 180 A                    |           |           |
| Protection                              |                          | IP20                     | NEMA 1    |           |

### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | TH 35-7.5, TH 35-15                      |
| Wire stripping length |  | 9.5 mm<br>0.37 in                        |
| Tool                  |  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Torque                |  | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

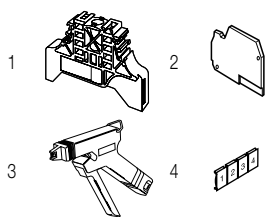
|         |  |         |
|---------|--|---------|
| RoHS    |  | RoHS    |
| USR CNR |  | USR CNR |
| cCSAus  |  | cCSAus  |
| Gost R  |  | Gost R  |

### Accessories

| Description              | Color                          | Type                | Order code      | Pkg pce         | Weight (1 pce) g |        |
|--------------------------|--------------------------------|---------------------|-----------------|-----------------|------------------|--------|
| 1 End stops              | Grey <input type="checkbox"/>  | BAM2                | 1SNA206351R1600 | 50              | 12.00            |        |
|                          |                                | BADL                | 1SNA399903R0200 | 50              | 4.70             |        |
| 2 End sections           | Grey <input type="checkbox"/>  | FEDAD1              | 1SNA199336R2000 | 20              | 2.50             |        |
| 3 Tools                  |                                | Semi automatic tool | OUPAD           | 1SNA178944R0400 | 1                | 205.00 |
|                          |                                | Hand tool           | OUMAD           | 1SNA179466R0600 | 1                | 29.00  |
| 4 Terminal block markers | White <input type="checkbox"/> | RC610               | 1SNA233000R0100 | 1               | 7.50             |        |

Complete list of accessories is indicated in the terminal block datasheet.

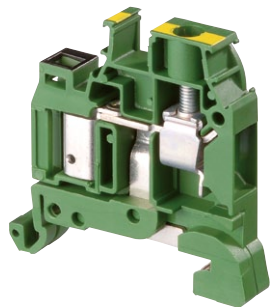
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in italic.  
Technical data valid for copper conductors only.

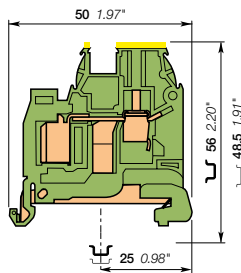
# D6/8.P.ADO IDC terminal blocks

## Ground ADO - screw clamp - 8 mm 0.315 in spacing

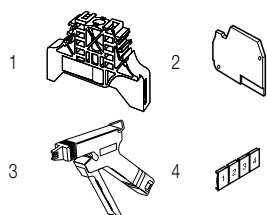


1SNC163135F0014

D6/8.P.ADO



8 mm 0.315 in spacing



### Description

- Protect your installation in the event of a short-circuit thanks to our screwless rail contact non operator dependent,
- Secure mounting or removal from the rail,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description | Color   | Type         | Order code | Pkg pce         | Weight (1 pce) g |       |
|-------------|---|--------------|------------|-----------------|------------------|-------|
| Ground      | Screwless rail connection, with black marking for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG) | Green-yellow | D6/8.P.ADO | 1SNA199118R2600 | 50               | 14.00 |

### Main technical data

|   |   | IEC  | UL        | CSA       |                       |  |
|---|---|--|-----------|-----------|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible                                    | 1-2.5 mm <sup>2</sup><br>1-2.5 mm <sup>2</sup>         | 16-14 AWG | 16-14 AWG | Rail                  | <br>TH 35-7.5,<br>TH 35-15                               |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.2-10 mm <sup>2</sup><br>0.22-6 mm <sup>2</sup><br>A5 | 22-8 AWG  | 22-8 AWG  | Wire stripping length | <br>12 mm<br>0.47 in                                     |
| Rated cross section                     |   | 2.5 mm <sup>2</sup>                                    | 14 AWG    | 14 AWG    | Tool                  | <br>Flat screwdriver<br>Ø 4 - 5 mm<br>Ø 0.157 - 0.197 in |
| Rated short-time withstand current (1s) |   | 300 A  |           |           | Torque                | <br>0.8 - 1 N.m<br>7.1 - 8.9 lb.in                       |
| Protection                              |   | IP20   | NEMA 1    |           |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |    |     |    |
|------|----|-----|----|
| RoHS | UL | CSA | PC |
| RoHS | UL | CSA | PC |

### Accessories

| Description              | Color                          | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|--------------------------------|--------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>  | BAM2   | 1SNA206351R1600 | 50      | 12.00            |
|                          |                                | BADL   | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections           | Grey <input type="checkbox"/>  | FEDAD1 | 1SNA199336R2000 | 20      | 2.50             |
| 3 Tools                  |                                | OUPAD  | 1SNA178944R0400 | 1       | 205.00           |
|                          |                                | OUMAD  | 1SNA179466R0600 | 1       | 29.00            |
| 4 Terminal block markers | White <input type="checkbox"/> | RC810  | 1SNA234000R0200 | 1       | 8.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

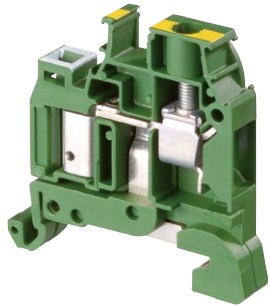
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D6/8.P.ADO IDC terminal blocks

## Ground ADO - screw clamp - 8 mm 0.315 in spacing

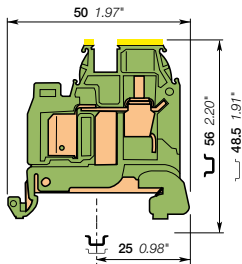


2

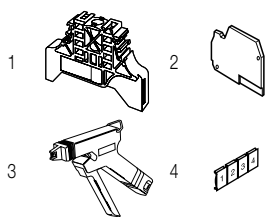


1SNC16310/FD014

D6/8.P.ADO



8 mm 0.315 in spacing



### Description

- Protect your installation in the event of a short-circuit thanks to our screwless rail contact non operator dependent,
- Secure mounting or removal from the rail,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp.

### Ordering details

| Description   | Color        | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|---|--------------|-------------|-----------------|---------|------------------|
| Ground Screwless rail connection, with white marking for wire size 4 mm <sup>2</sup> (12 AWG) | Green-yellow | D6/8.P.ADO3 | 1SNA399251R1300 | 50      | 14.00            |

### Main technical data

|   |                                 | IEC                    | UL     | CSA      | Mounting instructions |  |
|---|---------------------------------|------------------------|--------|----------|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded        | 4 mm <sup>2</sup>      |        | 12 AWG   | Rail                  | TH 35-7.5, TH 35-15                            |
|   | Flexible                        | 4 mm <sup>2</sup>      |        |          | Wire stripping length | 12 mm 0.47 in                                  |
| Screw clamp                             | Rigid - Solid / Stranded        | 0.2-10 mm <sup>2</sup> |        | 22-8 AWG | Tool                  | Flat screwdriver Ø 4 - 5 mm Ø 0.157 - 0.197 in |
|   | Flexible with insulated ferrule | 0.22-6 mm <sup>2</sup> |        |          |                       |  |
|   | Gauge                           | A5                     |        |          | Torque                | 0.8 - 1 N.m 7.1 - 8.9 lb.in                    |
| Rated cross section                     |                                 | 4 mm <sup>2</sup>      |        | 12 AWG   |                       |  |
| Rated short-time withstand current (1s) |                                 | 480 A                  |        |          |                       |  |
| Protection                              |                                 | IP20                   | NEMA 1 |          |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |        |        |  |  |  |  |
|------|--------|--------|--|--|--|--|
| RoHS | cCSAus | Gost R |  |  |  |  |
|------|--------|--------|--|--|--|--|

### Accessories

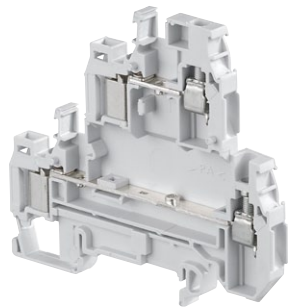
| Description              | Color | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|-------|--------|-----------------|---------|------------------|
| 1 End stops              | Grey  | BAM2   | 1SNA206351R1600 | 50      | 12.00            |
|                          |       | BADL   | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections           | Grey  | FEDAD1 | 1SNA199336R2000 | 20      | 2.50             |
| 3 Tools                  |       | OUPAD  | 1SNA178944R0400 | 1       | 205.00           |
|                          |       | OUMAD  | 1SNA179466R0600 | 1       | 29.00            |
| 4 Terminal block markers | White | RC810  | 1SNA234000R0200 | 1       | 8.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

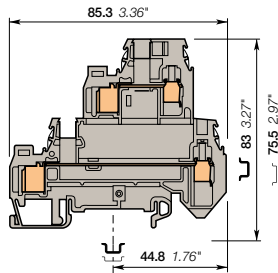
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D4/6.D2.ADO IDC terminal blocks

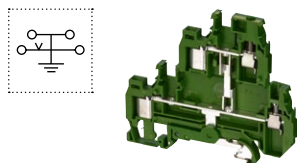
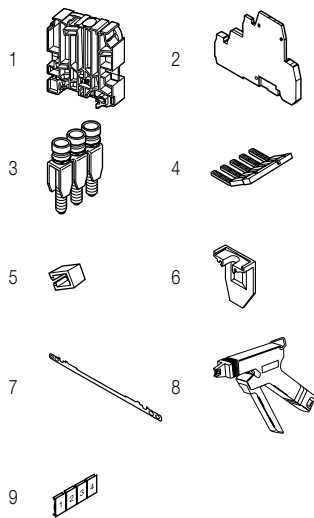
## Double deck ADO - screw clamp - 6 mm 0.236 in spacing



D4/6.D2.ADO



6 mm 0.236 in spacing



### Description

- Save space with 2 decks terminal block,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description                               | Color                         | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|---------------|-----------------|---------|------------------|
| Feed-through With 2 feed-through circuits | Grey <input type="checkbox"/> | D4/6.D2.ADO   | 1SNA199242R0200 | 50      | 18.00            |
|   | Blue <input type="checkbox"/> | D4/6.D2.N.ADO | 1SNA199244R0400 | 50      | 18.00            |

### Main technical data

|   |                                 | IEC                          | UL | CSA           |  |
|---|---------------------------------|------------------------------|----|---------------|--|
| ADO                                     | Rigid - Solid / Stranded        | 0.28-1.5 mm <sup>2</sup>     |    | 22-16 AWG     | Rail  TH 35-7.5, TH 35-15                |
|   | Flexible                        | 0.34-1.5 mm <sup>2</sup>     |    |               | Wire stripping length  9.5 mm 0.37 in    |
| Screw clamp                             | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>        |    | 22-10 AWG     | Tool  Flat screwdriver Ø 4 mm Ø 0.157 in |
|   | Flexible with insulated ferrule | 0.22-4 mm <sup>2</sup>       |    |               |  |
|   | Gauge                           | A4                           |    |               |  |
| Rated current / Rated cross section     |                                 | 17.5 A / 1.5 mm <sup>2</sup> |    | 18 A / 16 AWG | Torque  0.5 - 0.8 N.m 4.4 - 7.1 lb.in    |
| Rated short-time withstand current (1s) |                                 | 180 A                        |    |               |  |
| Rated voltage                           |                                 | 800 V                        |    | 600 V         |  |
| Impulse withstand voltage               |                                 | 6000 V                       |    |               |  |
| Protection                              |                                 | IP20                         |    | NEMA 1        |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |        |        |
|------|--------|--------|
| RoHS | cCSAus | Gost R |
|------|--------|--------|

### Accessories

| Description  | Color                          | Type         | Order code      | Pkg pce         | Weight (1 pce) g |       |
|--|--------------------------------|--------------|-----------------|-----------------|------------------|-------|
| 1 End stops 12 mm 0.472 in                           | Grey <input type="checkbox"/>  | BADH         | 1SNA116900R2700 | 50              | 24.00            |       |
| 2 End sections 5 mm 0.197 in                         | Grey <input type="checkbox"/>  | FED2AD1      | 1SNA199417R1200 | 20              | 6.60             |       |
| 3 Jumper bars  |                                | 2 poles 32 A | BJMI6-2         | 1SNA176663R0000 | 10               | 4.40  |
|  |                                | 3 poles      | BJMI6-3         | 1SNA176664R0100 | 10               | 6.70  |
|  |                                | 4 poles      | BJMI6-4         | 1SNA176665R0200 | 10               | 8.90  |
|  |                                | 5 poles      | BJMI6-5         | 1SNA176666R0300 | 10               | 11.20 |
|  |                                | 10 poles     | BJMI6-10        | 1SNA176667R0400 | 10               | 22.40 |
| 4 Lateral jumper bars                                | Grey <input type="checkbox"/>  | 2 poles 35 A | PC6-2           | 1SNA113546R1400 | 10               | 2.00  |
|  |                                | 10 poles     | PC6-10          | 1SNA113548R2600 | 10               | 8.00  |
| 5 Insulating tips For lateral jumper bars type PC... |                                | EIP          | 1SNA113550R2400 | 10              |                  |       |
| 6 Circuit separators 0 mm 0 in                       | Grey <input type="checkbox"/>  | SCAD         | 1SNA196896R0000 | 10              |                  |       |
| 7 Shield connectors                                  |                                | CBD2S        | 1SNA178408R1400 | 50              |                  |       |
| 8 Tools  |                                | OUPAD        | 1SNA178944R0400 | 1               | 205.00           |       |
|  |                                | OUMAD        | 1SNA179466R0600 | 1               | 29.00            |       |
| 9 Terminal block markers Blank card                  | White <input type="checkbox"/> | RC610        | 1SNA233000R0100 | 1               | 7.50             |       |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

### Ground

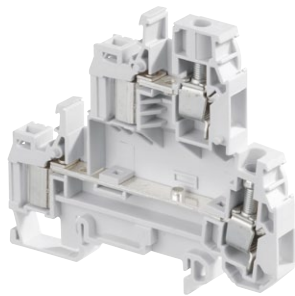
| Description | Color                                 | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|---------------------------------------|---------------|-----------------|---------|------------------|
| Ground      | Green-yellow <input type="checkbox"/> | D4/6.D1.P.ADO | 1SNA399931R2500 | 50      | 23.00            |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

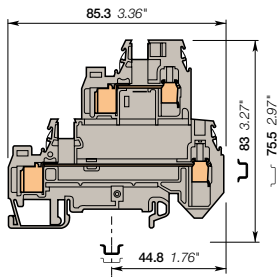
# D6/8.D2.ADO IDC terminal blocks

## Double deck ADO - screw clamp - 8 mm 0.315 in spacing

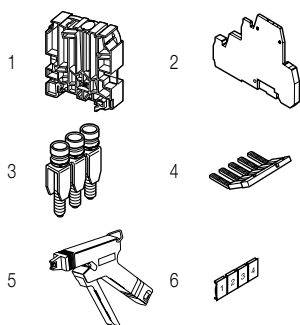
2



D6/8.D2.ADO



8 mm 0.315 in spacing



### Description

- Save space with 2 decks terminal block,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description                               | Color                         | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|-------------|-----------------|---------|------------------|
| Feed-through With 2 feed-through circuits | Grey <input type="checkbox"/> | D6/8.D2.ADO | 1SNA399600R2600 | 50      |                  |

### Main technical data

|   |                                      | IEC  | UL     | CSA | Mounting instructions |  |
|---|--------------------------------------|--|--------|-----|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible | 1-2.5 mm <sup>2</sup><br>1-2.5 mm <sup>2</sup>   |        |     | Rail                  | TH 35-7.5,<br>TH 35-15                               |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible | 0.2-10 mm <sup>2</sup><br>0.22-6 mm <sup>2</sup> |        |     | Wire stripping length | 12 mm<br>0.47 in                                     |
|   | with insulated ferrule               |  |        |     | Tool                  | Flat screwdriver<br>Ø 4-4.5 mm<br>Ø 0.157 - 0.177 in |
|   | Gauge                                | A5   |        |     | Torque                | 0.8 - 1 N.m<br>7.1 - 8.9 lb.in                       |
| Rated current / Rated cross section     |                                      | 24 A / 2.5 mm <sup>2</sup>                       |        |     |                       |  |
| Rated short-time withstand current (1s) |                                      | 300 A  |        |     |                       |  |
| Rated voltage                           |                                      | 800 V  |        |     |                       |  |
| Impulse withstand voltage               |                                      | 8000 V   |        |     |                       |  |
| Protection                              |                                      | IP20   | NEMA 1 |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|                               |      |                          |        |  |  |  |  |  |  |
|-------------------------------|------|--------------------------|--------|--|--|--|--|--|--|
| RoHS <input type="checkbox"/> | RoHS | <input type="checkbox"/> | Gost R |  |  |  |  |  |  |
|-------------------------------|------|--------------------------|--------|--|--|--|--|--|--|

### Accessories

| Description              | Color                          | Type                | Order code      | Pkg pce         | Weight (1 pce) g |        |       |
|--------------------------|--------------------------------|---------------------|-----------------|-----------------|------------------|--------|-------|
| 1 End stops              | Grey <input type="checkbox"/>  | BADH                | 1SNA116900R2700 | 50              | 24.00            |        |       |
| 2 End sections           | Grey <input type="checkbox"/>  | FED2AD1             | 1SNA199417R1200 | 20              | 6.60             |        |       |
| 3 Jumper bars            |                                | 2 poles             | 41 A            | BJM18-2         | 1SNA176669R1600  | 10     | 4.50  |
|                          |                                | 3 poles             |                 | BJM18-3         | 1SNA176670R1300  | 10     | 6.00  |
|                          |                                | 4 poles             |                 | BJM18-4         | 1SNA176671R0000  | 10     | 10.00 |
|                          |                                | 5 poles             |                 | BJM18-5         | 1SNA176672R0100  | 10     | 12.22 |
|                          |                                | 10 poles            |                 | BJM18-10        | 1SNA176673R0200  | 10     | 20.00 |
| 4 Lateral jumper bars    | Grey <input type="checkbox"/>  | 2 poles             | 50 A            | PC8-2           | 1SNA116538R1700  | 10     | 3.00  |
|                          |                                | 10 poles            |                 | PC8-10          | 1SNA163313R2400  | 10     |       |
| 5 Tools                  |                                | Semi automatic tool | OUPAD           | 1SNA178944R0400 | 1                | 205.00 |       |
|                          |                                | Hand tool           | OUMAD           | 1SNA179466R0600 | 1                | 29.00  |       |
| 6 Terminal block markers | White <input type="checkbox"/> | Blank card          | RC810           | 1SNA234000R0200 | 1                | 8.20   |       |

Complete list of accessories is indicated in the terminal block datasheet.

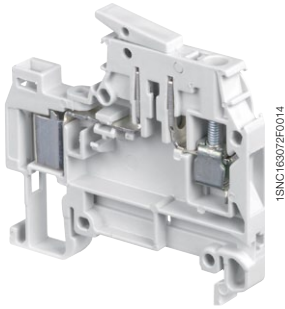
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic.  
Technical data valid for copper conductors only.

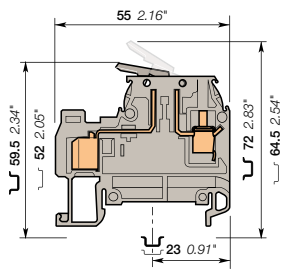
# D2.5/5.SN.ADO IDC terminal blocks

## Disconnect with blade - with test socket - ADO screw clamp

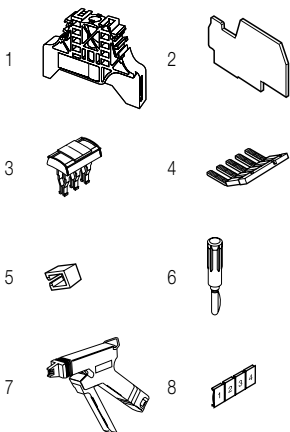
5 mm 0.197 in spacing



D2.5/5.SN.ADO



5 mm 0.197 in spacing



### Description

- Ease your disconnect operations with the disconnect knife blade operated by hand,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description   | Color                         | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|---------------|-----------------|---------|------------------|
| Disconnect With test socket<br>DIA 2 mm 0.079 in<br>on the ADO side | Grey <input type="checkbox"/> | D2.5/5.SN.ADO | 1SNA399226R0200 | 50      | 9.00             |

### Main technical data

|   |   | IEC   | UL     | CSA |  |
|---|---|---|--------|-----|--|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible                                    | 0.2-1 mm <sup>2</sup><br>0.22-1 mm <sup>2</sup>         |        |     | Rail  TH 35-7.5,<br>TH 35-15                     |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.2-4 mm <sup>2</sup><br>0.22-2.5 mm <sup>2</sup><br>A3 |        |     | Wire stripping length  9.5 mm<br>0.37 in         |
| Rated current / Rated cross section     |   | 10 A / 1 mm <sup>2</sup>                                |        |     | Tool  Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| Rated short-time withstand current (1s) |   | 120 A   |        |     | Torque  0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in         |
| Rated voltage                           |   | 320 V   |        |     |  |
| Impulse withstand voltage               |   | 4000 V  |        |     |  |
| Protection                              |   | IP20  | NEMA 1 |     |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |  |  |
|------|--|--|
| RoHS |  |  |
|------|--|--|

### Accessories

| Description              | Color                           | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|---------------------------------|-----------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>   | BAM2      | 1SNA206351R1600 | 50      | 12.00            |
|                          |                                 | BADL      | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections           | Grey <input type="checkbox"/>   | FEDAD4    | 1SNA199352R0000 | 20      | 2.30             |
| 3 Jumper bars            | Orange <input type="checkbox"/> | BJADO5-2  | 1SNA205955R0300 | 20      | 1.00             |
|                          |                                 | BJADO5-3  | 1SNA205956R0400 | 20      | 1.00             |
|                          |                                 | BJADO5-5  | 1SNA205958R1600 | 20      | 2.00             |
|                          |                                 | BJADO5-10 | 1SNA205963R0300 | 10      | 5.00             |
| 4 Lateral jumper bars    | Grey <input type="checkbox"/>   | PC5-2     | 1SNA113542R1000 | 10      | 1.80             |
|                          |                                 | PC5-10    | 1SNA113544R1200 | 10      | 6.00             |
| 5 Insulating tips        |                                 | EIP       | 1SNA113550R2400 | 10      |                  |
| 6 Test plugs             | Black <input type="checkbox"/>  | FC2       | 1SNA007865R2600 | 100     |                  |
| 7 Tools                  |                                 | OUPAD     | 1SNA178944R0400 | 1       | 205.00           |
|                          |                                 | OUMAD     | 1SNA179466R0600 | 1       | 29.00            |
| 8 Terminal block markers | White <input type="checkbox"/>  | RCS10     | 1SNA231000R0700 | 1       | 5.20             |

Complete list of accessories is indicated in the terminal block datasheet.

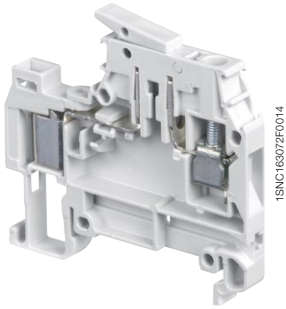
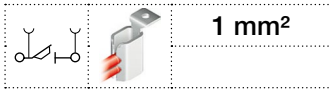
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

# D2.5/5.SN.ADO IDC terminal blocks

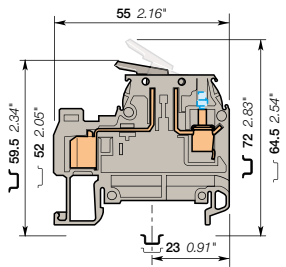
## Disconnect with blade - with test socket - ADO screw clamp

### 5 mm 0.197 in spacing

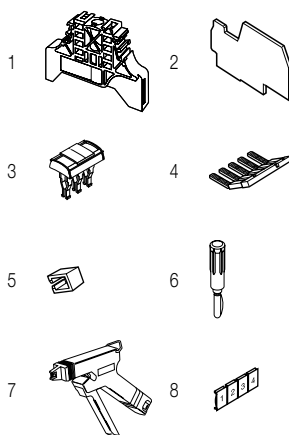
2



D2.5/5.SN.ADO



5 mm 0.197 in spacing



### Description

- Ease your disconnect operations with the disconnect knife blade operated by hand,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description   | Color                         | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|-----------------|-----------------|---------|------------------|
| Disconnect With 2 test sockets<br>DIA 2 mm 0.079 in | Grey <input type="checkbox"/> | D2.5/5.SNT2.ADO | 1SNA399228R1400 | 50      | 9.00             |

### Main technical data

|  |   | IEC   | UL     | CSA |
|--|---|---|--------|-----|
| ADO  | Rigid - Solid / Stranded<br>Flexible                                    | 0.2-1 mm <sup>2</sup><br>0.22-1 mm <sup>2</sup>         |        |     |
| Screw clamp                                    | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.2-4 mm <sup>2</sup><br>0.22-2.5 mm <sup>2</sup><br>A3 |        |     |
| <b>Rated current / Rated cross section</b>     |   | 10 A / 1 mm <sup>2</sup>                                |        |     |
| <b>Rated short-time withstand current (1s)</b> |   | 120 A   |        |     |
| <b>Rated voltage</b>                           |   | 320 V   |        |     |
| <b>Impulse withstand voltage</b>               |   | 4000 V  |        |     |
| <b>Protection</b>                              |   | IP20  | NEMA 1 |     |

### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | TH 35-7.5,<br>TH 35-15                     |
| Wire stripping length |  | 9.5 mm<br>0.37 in                          |
| Tool                  |  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| Torque                |  | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in           |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|        |  |        |
|--------|--|--------|
| RoHS   |  | RoHS   |
| Cost R |  | Cost R |

### Accessories

| Description              | Color                           | Type                              | Order code  | Pkg pce        | Weight (1 pce) g     |
|--------------------------|---------------------------------|-----------------------------------|---|----------------|----------------------|
| 1 End stops              | Grey <input type="checkbox"/>   | BAM2<br>BADL                      | 1SNA206351R1600<br>1SNA399903R0200                    | 50<br>50       | 12.00<br>4.70        |
| 2 End sections           | Grey <input type="checkbox"/>   | FEDAD4                            | 1SNA199352R0000                                       | 20             | 2.30                 |
| 3 Jumper bars            | Orange <input type="checkbox"/> | BJADO5-2<br>BJADO5-3<br>BJADO5-10 | 1SNA205955R0300<br>1SNA205956R0400<br>1SNA205963R0300 | 20<br>20<br>10 | 1.00<br>1.00<br>5.00 |
| 4 Lateral jumper bars    | Grey <input type="checkbox"/>   | PC5-2<br>PC5-10                   | 1SNA113542R1000<br>1SNA113544R1200                    | 10<br>10       | 1.80<br>6.00         |
| 5 Insulating tips        |                                 | EIP                               | 1SNA113550R2400                                       | 10             |                      |
| 6 Test plugs             | Black <input type="checkbox"/>  | FC2                               | 1SNA007865R2600                                       | 100            |                      |
| 7 Tools                  |                                 | OUPAD<br>OUMAD                    | 1SNA178944R0400<br>1SNA179466R0600                    | 1<br>1         | 205.00<br>29.00      |
| 8 Terminal block markers | White <input type="checkbox"/>  | RC510                             | 1SNA231000R0700                                       | 1              | 5.20                 |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

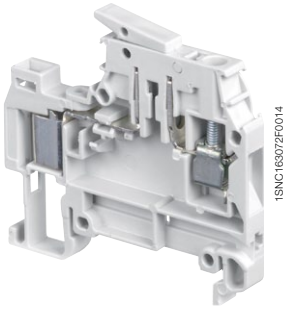
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.



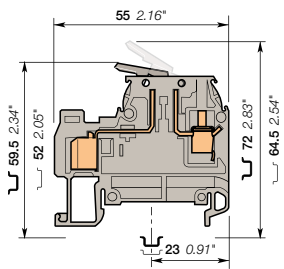
# D4/6.SN.ADO IDC terminal blocks

## Disconnect with blade - with test socket - ADO screw clamp

### 6 mm 0.236 in spacing



D4/6.SN.ADO



6 mm 0.236 in spacing

### Description

- Ease your disconnect operations with the disconnect knife blade operated by hand,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

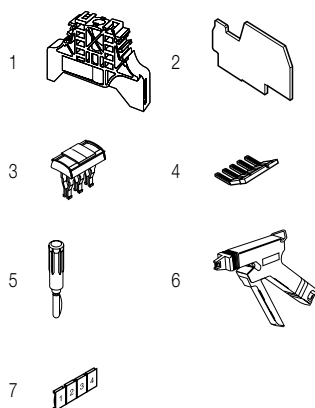
### Ordering details

| Description   | Color                           | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|---|---------------------------------|-------------|-----------------|---------|------------------|
| Disconnect With test socket<br>DIA 2 mm 0.079 in<br>on the ADO side | Grey <input type="checkbox"/>   | D4/6.SN.ADO | 1SNA199107R2400 | 50      | 9.00             |
|   | Orange <input type="checkbox"/> | D4/6.SN.ADO | 1SNA199108R0500 | 50      | 9.00             |

### Main technical data

|   |                                 | IEC                        | UL            | CSA           | Mounting instructions                          |
|---|---------------------------------|----------------------------|---------------|---------------|--|
| ADO                                     | Rigid - Solid / Stranded        | 0.34-1.5 mm <sup>2</sup>   | 22-16 AWG     | 22-16 AWG     | Rail  TH 35-7.5, TH 35-15                      |
|   | Flexible                        | 0.34-1.5 mm <sup>2</sup>   |               |               | Wire stripping length  9.5 mm 0.37 in          |
| Screw clamp                             | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>      | 22-10 AWG     | 22-10 AWG     | Tool  Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
|   | Flexible with insulated ferrule | 0.22-4 mm <sup>2</sup>     |               |               |  |
|   | Gauge                           | A4                         |               |               |  |
| Rated current / Rated cross section     |                                 | 10 A / 1.5 mm <sup>2</sup> | 10 A / 16 AWG | 15 A / 16 AWG | Torque  0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in       |
| Rated short-time withstand current (1s) |                                 | 180 A                      |               |               |  |
| Rated voltage                           |                                 | 500 V                      | 600 V         | 600 V         |  |
| Impulse withstand voltage               |                                 | 6000 V                     |               |               |  |
| Protection                              |                                 | IP20                       | NEMA 1        |               |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Accessories

| Description              | Color                           | Type                | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|---------------------------------|---------------------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>   | BAM2                | 1SNA206351R1600 | 50      | 12.00            |
|                          |                                 | BADL                | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections           | Grey <input type="checkbox"/>   | FEDAD4              | 1SNA199352R0000 | 20      | 2.30             |
| 3 Jumper bars            | Orange <input type="checkbox"/> | 2 poles             | 1SNA205974R0600 | 20      | 1.00             |
|                          |                                 | 3 poles             | 1SNA205975R0700 | 20      | 1.00             |
|                          |                                 | 10 poles            | 1SNA205982R2700 | 10      | 6.00             |
| 4 Lateral jumper bars    |                                 | 10 poles 35 A       | 1SNA163311R2200 | 10      | 5.00             |
| 5 Test plugs             | Black <input type="checkbox"/>  | DIA 2 mm 0.079 in   | 1SNA007865R2600 | 100     |                  |
| 6 Tools                  |                                 | Semi automatic tool | OUPAD           | 1       | 205.00           |
|                          |                                 | Hand tool           | OUMAD           | 1       | 29.00            |
| 7 Terminal block markers | White <input type="checkbox"/>  | Blank card          | 1SNA233000R0100 | 1       | 7.50             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D4/6.SNT2.ADO IDC terminal blocks

## Disconnect with blade - with test socket - ADO screw clamp

### 6 mm 0.236 in spacing



#### Description

- Ease your disconnect operations with the disconnect knife blade operated by hand,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

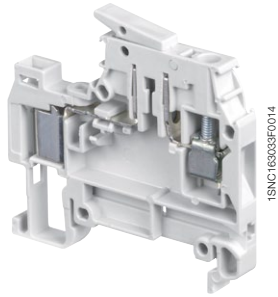
#### Ordering details

| Description   | Color                         | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|---------------|-----------------|---------|------------------|
| Disconnect With 2 test sockets<br>DIA 2 mm 0.079 in | Grey <input type="checkbox"/> | D4/6.SNT2.ADO | 1SNA199235R2300 | 50      | 9.00             |

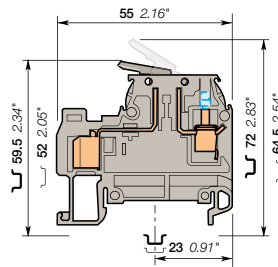
#### Main technical data

|   |   | IEC   | UL            | CSA           | Mounting instructions |  |
|---|---|---|---------------|---------------|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible                                    | 0.34-1.5 mm <sup>2</sup><br>0.34-1.5 mm <sup>2</sup>  | 22-16 AWG     | 22-16 AWG     | Rail                  | TH 35-7.5,<br>TH 35-15                   |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.2-4 mm <sup>2</sup><br>0.22-4 mm <sup>2</sup><br>A4 | 22-10 AWG     | 22-10 AWG     | Wire stripping length | 9.5 mm<br>0.37 in                        |
| Rated current / Rated cross section     |   | 10 A / 1.5 mm <sup>2</sup>                            | 10 A / 16 AWG | 15 A / 16 AWG | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Rated short-time withstand current (1s) |   | 180 A   |               |               | Torque                | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| Rated voltage                           |   | 500 V   | 600 V         | 600 V         |                       |  |
| Impulse withstand voltage               |   | 6000 V  |               |               |                       |  |
| Protection                              |   | IP20  | NEMA 1        |               |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



D4/6.SNT2.ADO

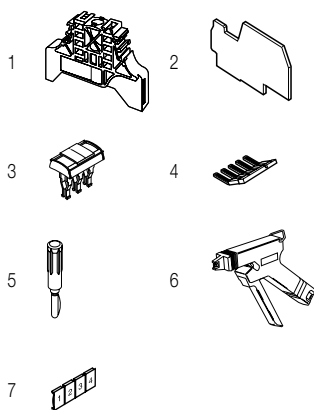


6 mm 0.236 in spacing

#### Accessories

| Description              | Color                           | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|---------------------------------|-----------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>   | BAM2      | 1SNA206351R1600 | 50      | 12.00            |
|                          |                                 | BADL      | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections           | Grey <input type="checkbox"/>   | FEDAD4    | 1SNA199352R0000 | 20      | 2.30             |
| 3 Jumper bars            | Orange <input type="checkbox"/> | BJADO6-2  | 1SNA205974R0600 | 20      | 1.00             |
|                          |                                 | BJADO6-3  | 1SNA205975R0700 | 20      | 1.00             |
|                          |                                 | BJADO6-10 | 1SNA205982R2700 | 10      | 6.00             |
| 4 Lateral jumper bars    |                                 | PC61-10   | 1SNA163311R2200 | 10      | 5.00             |
| 5 Test plugs             | Black <input type="checkbox"/>  | FC2       | 1SNA007865R2600 | 100     |                  |
| 6 Tools                  |                                 | OUPAD     | 1SNA178944R0400 | 1       | 205.00           |
|                          |                                 | OUMAD     | 1SNA179466R0600 | 1       | 29.00            |
| 7 Terminal block markers | White <input type="checkbox"/>  | RC610     | 1SNA233000R0100 | 1       | 7.50             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

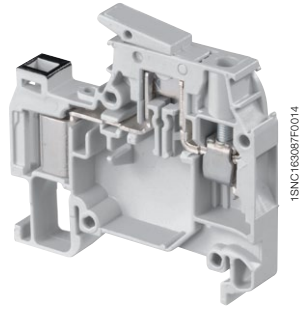


All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

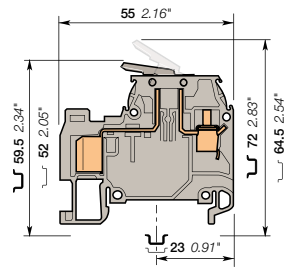
# D4/8.SN.ADO IDC terminal blocks

## Disconnect with blade - with test socket - ADO screw clamp

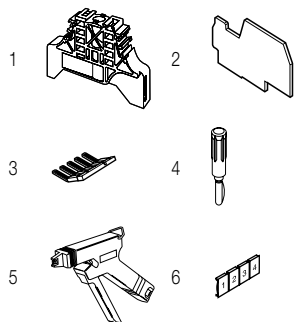
8 mm 0.315 in spacing



D4/8.SN.ADO



8 mm 0.315 in spacing



### Description

- Ease your disconnect operations with the disconnect knife blade operated by hand,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description   | Color                         | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|-------------|-----------------|---------|------------------|
| <b>Disconnect</b> With test socket<br>DIA 2 mm 0.079 in on the ADO side, with black marking for wire size 1-2.5 mm² (16-14 AWG) | Grey <input type="checkbox"/> | D4/8.SN.ADO | 1SNA199137R1100 | 50      | 11.00            |

### Main technical data

|  |   | IEC                           | UL            | CSA           |
|--|---|-------------------------------|---------------|---------------|
| <b>ADO</b>                                     | Rigid - Solid / Stranded<br>Flexible                                    | 1-2.5 mm²<br>1-2.5 mm²        | 22-16 AWG     | 22-16 AWG     |
| <b>Screw clamp</b>                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.2-6 mm²<br>0.22-4 mm²<br>A4 | 22-10 AWG     | 22-10 AWG     |
| <b>Rated current / Rated cross section</b>     |   | 15 A / 2.5 mm²                | 15 A / 16 AWG | 15 A / 16 AWG |
| <b>Rated short-time withstand current (1s)</b> |   | 300 A                         |               |               |
| <b>Rated voltage</b>                           |   | 500 V                         | 600 V         | 600 V         |
| <b>Impulse withstand voltage</b>               |   | 6000 V                        |               |               |
| <b>Protection</b>                              |   | IP20                          | NEMA 1        |               |

### Mounting instructions

|                       |  |                                    |
|-----------------------|--|------------------------------------|
| Rail                  |  | TH 35-7.5, TH 35-15                |
| Wire stripping length |  | 9.5 mm 0.37 in                     |
| Tool                  |  | Flat screwdriver Ø 4 mm Ø 0.157 in |
| Torque                |  | 0.5 - 0.8 N.m 4.4 - 7.1 lb.in      |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |    |       |        |
|------|----|-------|--------|
|      |    |       |        |
| RoHS | UL | CSAus | Gost R |

### Accessories

| Description                     | Color                          | Type           | Order code                         | Pkg pce  | Weight (1 pce) g |
|---------------------------------|--------------------------------|----------------|------------------------------------|----------|------------------|
| <b>1 End stops</b>              | Grey <input type="checkbox"/>  | BAM2<br>BADL   | 1SNA206351R1600<br>1SNA399903R0200 | 50<br>50 | 12.00<br>4.70    |
| <b>2 End sections</b>           | Grey <input type="checkbox"/>  | FEDAD4         | 1SNA199352R0000                    | 20       | 2.30             |
| <b>3 Lateral jumper bars</b>    |                                | PC81-10        | 1SNA173523R1100                    | 10       | 5.00             |
| <b>4 Test plugs</b>             | Black <input type="checkbox"/> | FC2            | 1SNA007865R2600                    | 100      |                  |
| <b>5 Tools</b>                  |                                | OUPAD<br>OUMAD | 1SNA178944R0400<br>1SNA179466R0600 | 1<br>1   | 205.00<br>29.00  |
| <b>6 Terminal block markers</b> | White <input type="checkbox"/> | RC810          | 1SNA234000R0200                    | 1        | 8.20             |

Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

# D4/8.SF.I.ADO IDC terminal blocks

For 5 x 20 and 5 x 25 fuses - with test socket ADO - screw clamp

8 mm 0.315 in spacing



1.5 mm<sup>2</sup>

## Description

- Protect your circuits with 5 x 20 and 5x 25 fuse terminal blocks (fuse not delivered with the terminal blocks),
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

## Ordering details

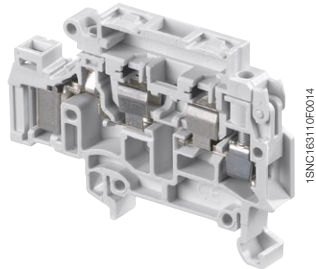
| Description | Color                         | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|-------------------------------|---------------|-----------------|---------|------------------|
| Fuse        | Grey <input type="checkbox"/> | D4/8.SF.I.ADO | 1SNA399785R0300 | 50      | 13.00            |

## Main technical data

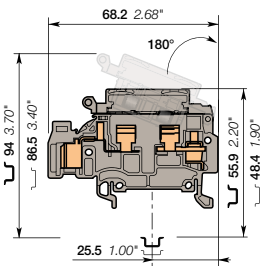
|   |                                       | IEC                          | UL | CSA    | Mounting instructions |  |
|---|---------------------------------------|------------------------------|----|--------|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded              | 0.34-1.5 mm <sup>2</sup>     |    |        | Rail                  | TH 35-7.5, TH 35-15                      |
|   | Flexible                              | 0.34-1.5 mm <sup>2</sup>     |    |        | Wire stripping length | 9.5 mm 0.37 in                           |
| Screw clamp                             | Rigid - Solid / Stranded              | 0.2-4 mm <sup>2</sup>        |    |        | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
|   | Flexible with insulated ferrule Gauge | 0.22-4 mm <sup>2</sup><br>A4 |    |        |                       |  |
| Rated current / Rated cross section     |                                       | 6.3 A / 1.5 mm <sup>2</sup>  |    |        | Torque                | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| Rated short-time withstand current (1s) |                                       | 180 A                        |    |        |                       |  |
| Rated voltage                           |                                       | 630 V                        |    |        |                       |  |
| Impulse withstand voltage               |                                       | 8000 V                       |    |        |                       |  |
| Protection                              |                                       | IP20                         |    | NEMA 1 |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|                               |      |           |        |
|-------------------------------|------|-----------|--------|
| RoHS <input type="checkbox"/> | RoHS | PC RoHS R | Gost R |
|-------------------------------|------|-----------|--------|



D4/8.SF.I.ADO

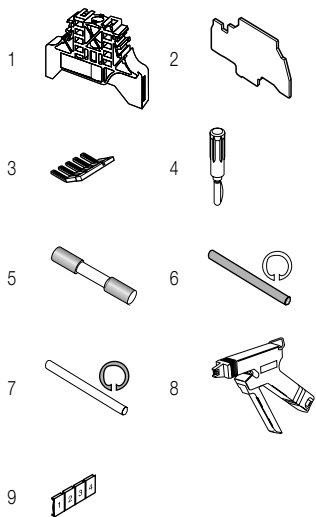


8 mm 0.315 in spacing

## Accessories

| Description              | Color                          | Type                | Order code      | Pkg pce         | Weight (1 pce) g |        |
|--------------------------|--------------------------------|---------------------|-----------------|-----------------|------------------|--------|
| 1 End stops              | Grey <input type="checkbox"/>  | BAM2                | 1SNA206351R1600 | 50              | 12.00            |        |
|                          |                                | BADL                | 1SNA399903R0200 | 50              | 4.70             |        |
| 2 End sections           | Grey <input type="checkbox"/>  | FEDAD10             | 1SNA399758R2700 | 20              | 3.00             |        |
| 3 Lateral jumper bars    |                                | PC81-10             | 1SNA173523R1100 | 10              | 5.00             |        |
| 4 Test plugs             | Black <input type="checkbox"/> | FC2                 | 1SNA007865R2600 | 100             |                  |        |
|                          |                                | FU520               | 1SNA008288R1500 | 10              |                  |        |
|                          |                                |                     | 1SNA008290R1300 | 10              |                  |        |
|                          |                                |                     | 1SNA008291R0000 | 10              |                  |        |
|                          |                                |                     | 1SNA008289R1600 | 10              |                  |        |
| 5 Fuses                  |                                | 3.15 A              | 1SNA008292R0100 | 10              |                  |        |
|                          |                                | 5 A                 | 1SNA168672R1100 | 10              | 1.00             |        |
|                          |                                | 2 poles             | 1SNA168673R1200 | 10              |                  |        |
|                          |                                | 3 poles             | 1SNA168674R1300 | 10              |                  |        |
| 6 Assembly rods          |                                | TGA8                | 1SNA168675R1400 | 10              |                  |        |
| 7 Spring retaining rings |                                | ANT                 | 1SNA168675R1400 | 10              |                  |        |
| 8 Tools                  |                                | Semi automatic tool | OUPAD           | 1SNA178944R0400 | 1                | 205.00 |
|                          |                                | Hand tool           | OUMAD           | 1SNA179466R0600 | 1                | 29.00  |
| 9 Terminal block markers | White <input type="checkbox"/> | RC810               | 1SNA234000R0200 | 1               | 8.20             |        |

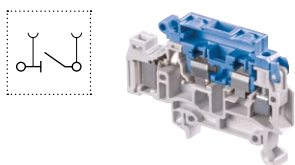
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



## Disconnect IDC terminal blocks

| Description | Color                               | Type             | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|-------------------------------------|------------------|-----------------|---------|------------------|
| Disconnect  | Grey, blue <input type="checkbox"/> | D4/8.SNNT2.I.ADO | 1SNA399779R2400 | 50      | 13.00            |

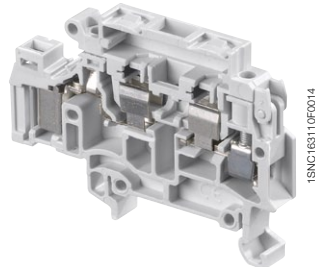
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.



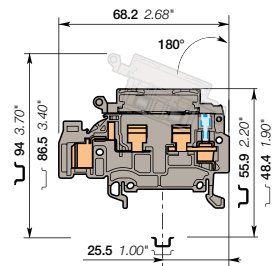
# D4/8.SF.I.ADO IDC Terminal Blocks

For 5 x 20 and 5 x 25 fuses - with test socket ADO - screw clamp

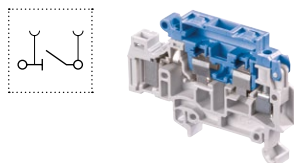
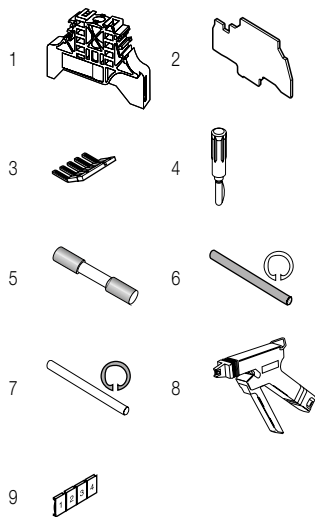
8 mm 0.315 in Spacing



D4/8.SF.I.ADO



8 mm 0.315 in Spacing



## Description

- Protect your circuits with 5 x 20 and 5x 25 fuse terminal blocks (fuse not delivered with the terminal blocks),
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

## Ordering Details

| Description                                   | Color                         | Type            | Order Code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|-----------------|-----------------|---------|------------------|
| Fuse With 2 test sockets<br>DIA 2 mm 0.079 in | Grey <input type="checkbox"/> | D4/8.SFT2.I.ADO | 1SNA399777R1200 | 50      | 13.00            |

## Main Technical Data

|   |                          | IEC             | UL     | CSA |                       |  |
|---|--------------------------|-----------------|--------|-----|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded | 0.34-1.5 mm²    |        |     | Rail                  | TH 35-7.5, TH 35-15                      |
|   | Flexible                 | 0.34-1.5 mm²    |        |     | Wire stripping length | 9.5 mm 0.37 in                           |
| Screw clamp                             | Rigid - Solid / Stranded | 0.2-4 mm²       |        |     | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
|   | Flexible                 | 0.22-4 mm²      |        |     |                       |  |
|   | with insulated ferrule   |                 |        |     |                       |  |
|   | Gauge                    | A4              |        |     |                       |  |
| Rated current / Rated cross section     |                          | 6.3 A / 1.5 mm² |        |     | Torque                | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| Rated short-time withstand current (1s) |                          | 180 A           |        |     |                       |  |
| Rated voltage                           |                          | 630 V           |        |     |                       |  |
| Impulse withstand voltage               |                          | 8000 V          |        |     |                       |  |
| Protection                              |                          | IP20            | NEMA 1 |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |      |     |        |  |  |  |
|------|------|-----|--------|--|--|--|
| RoHS | RoHS | PCB | Gost R |  |  |  |
|------|------|-----|--------|--|--|--|

## Accessories

| Description                    | Color                          | Type    | Order Code      | Pkg pce | Weight (1 pce) g |
|--------------------------------|--------------------------------|---------|-----------------|---------|------------------|
| 1 End Stops                    |                                | BAM2    | 1SNA206351R1600 | 50      | 12.00            |
|                                |                                | BADL    | 1SNA399903R0200 | 50      | 4.70             |
| 2 End Sections                 | Grey <input type="checkbox"/>  | FEDAD10 | 1SNA399758R2700 | 20      | 3.00             |
| 3 Lateral Jumper Bars 10 poles |                                | PC81-10 | 1SNA173523R1100 | 10      | 5.00             |
| 4 Test Plugs                   | Black <input type="checkbox"/> | FC2     | 1SNA007865R2600 | 100     |                  |
| 5 Fuses                        |                                | FU520   | 1SNA008288R1500 | 10      |                  |
|                                |                                |         | 1SNA008290R1300 | 10      |                  |
|                                |                                |         | 1SNA008291R0000 | 10      |                  |
|                                |                                |         | 1SNA008292R0100 | 10      |                  |
| 6 Assembly Rods                |                                | TGA8    | 1SNA168672R1100 | 10      | 1.00             |
|                                |                                |         | 1SNA168673R1200 | 10      |                  |
|                                |                                |         | 1SNA168674R1300 | 10      |                  |
|                                |                                |         | 1SNA168675R1400 | 10      |                  |
| 7 Spring Retaining Rings       |                                | ANT     | 1SNA168675R1400 | 10      |                  |
| 8 Tools                        |                                | OUPAD   | 1SNA178944R0400 | 1       | 205.00           |
|                                |                                | OUMAD   | 1SNA179466R0600 | 1       | 29.00            |
| 9 Terminal Block Markers       | White <input type="checkbox"/> | RC810   | 1SNA234000R0200 | 1       | 8.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

## Disconnect IDC Terminal Blocks

| Description                                   | Color                               | Type             | Order Code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------------|------------------|-----------------|---------|------------------|
| Disconnect Profile aligned with D4/8.SF.I.ADO | Grey, Blue <input type="checkbox"/> | D4/8.SNNT2.I.ADO | 1SNA399779R2400 | 50      | 13.00            |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

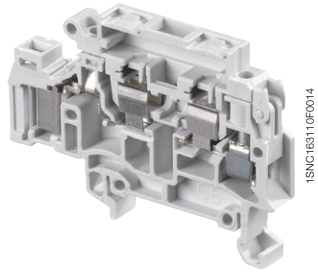
# D4/8.SF.I.ADO IDC Terminal Blocks

For 5 x 20 and 5 x 25 fuses - with blown fuse indicator and test socket ADO - screw clamp - 8 mm 0.315 in spacing



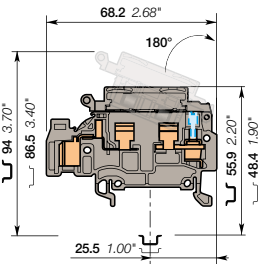
1.5 mm<sup>2</sup>  
16 AWG

2



1SNC163110F0014

D4/8.SF.I.ADO



8 mm 0.315 in spacing

## Description

- Protect your circuits with 5 x 20 and 5x 25 fuse terminal blocks (fuse not delivered with the terminal blocks),
- Quickly identify the defective circuit thanks to blown fuse indicators,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

## Ordering Details

| Description | Color | Type                                      | Order Code      | Pkg pce | Weight (1 pce) g |
|-------------|-------|---|-----------------|---------|------------------|
| Fuse        | Grey  | <input type="checkbox"/> D4/8.SFDT2.I.ADO | 1SNA399782R0000 | 50      | 13.00            |
|             | Grey  | <input type="checkbox"/> D4/8.SFLT2.I.ADO | 1SNA399856R0200 | 50      | 13.00            |

## Main Technical Data

|   |                                 | IEC                         | UL     | CSA | Mounting Instructions |                                    |
|---|---------------------------------|-----------------------------|--------|-----|-----------------------|------------------------------------|
| ADO                                     | Rigid - Solid / Stranded        | 0.34-1.5 mm <sup>2</sup>    |        |     | Rail                  | TH 35-7.5, TH 35-15                |
|   | Flexible                        | 0.34-1.5 mm <sup>2</sup>    |        |     | Wire stripping length | 9.5 mm 0.37 in                     |
| Screw clamp                             | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>       |        |     | Tool                  | Flat screwdriver Ø 4 mm Ø 0.157 in |
|   | Flexible with insulated ferrule | 0.22-4 mm <sup>2</sup>      |        |     |                       |                                    |
|   | Gauge                           | A4                          |        |     |                       |                                    |
| Rated current / Rated cross section     |                                 | 6.3 A / 1.5 mm <sup>2</sup> |        |     | Torque                | 0.5 - 0.8 N.m 4.4 - 7.1 lb.in      |
| Rated short-time withstand current (1s) |                                 | 180 A                       |        |     |                       |                                    |
| Rated voltage                           |                                 | 500 V                       |        |     |                       |                                    |
| Impulse withstand voltage               |                                 | 6000 V                      |        |     |                       |                                    |
| Protection                              |                                 | IP20                        | NEMA 1 |     |                       |                                    |

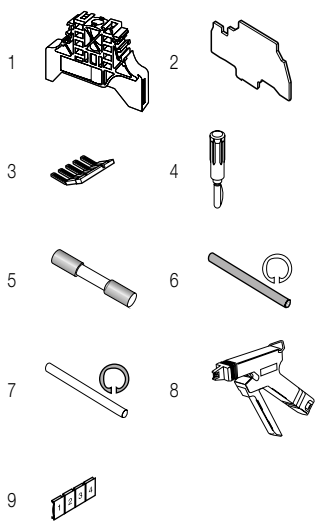
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |        |
|------|--------|
| RoHS | Gost R |
|------|--------|

## Accessories

| Description                    | Color | Type    | Order Code      | Pkg pce | Weight (1 pce) g |
|--------------------------------|-------|---------|-----------------|---------|------------------|
| 1 End Stops                    | Grey  | BAM2    | 1SNA206351R1600 | 50      | 12.00            |
|                                |       | BADL    | 1SNA399903R0200 | 50      | 4.70             |
| 2 End Sections                 | Grey  | FEDAD10 | 1SNA399758R2700 | 20      | 3.00             |
| 3 Lateral Jumper Bars 10 poles |       | PC81-10 | 1SNA173523R1100 | 10      | 5.00             |
| 4 Test Plugs                   | Black | FC2     | 1SNA007865R2600 | 100     |                  |
| 5 Fuses                        |       | FU520   | 1SNA008288R1500 | 10      |                  |
|                                |       |         | 1SNA008290R1300 | 10      |                  |
|                                |       |         | 1SNA008291R0000 | 10      |                  |
|                                |       |         | 1SNA008289R1600 | 10      |                  |
|                                |       |         | 1SNA008292R0100 | 10      |                  |
| 6 Assembly Rods                |       | TGA8    | 1SNA168672R1100 | 10      | 1.00             |
|                                |       |         | 1SNA168673R1200 | 10      |                  |
|                                |       |         | 1SNA168674R1300 | 10      |                  |
|                                |       |         | 1SNA168675R1400 | 10      |                  |
| 7 Spring Retaining Rings       |       | ANT     | 1SNA168675R1400 | 10      |                  |
| 8 Tools                        |       | OUPAD   | 1SNA178944R0400 | 1       | 205.00           |
|                                |       | OUMAD   | 1SNA179466R0600 | 1       | 29.00            |
| 9 Terminal Block Markers       | White | RC810   | 1SNA234000R0200 | 1       | 8.20             |

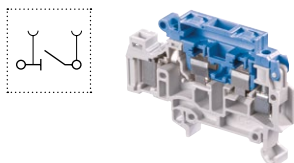
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



## Disconnect IDC Terminal Blocks

| Description | Color      | Type                                      | Order Code      | Pkg pce | Weight (1 pce) g |
|-------------|------------|---|-----------------|---------|------------------|
| Disconnect  | Grey, Blue | <input type="checkbox"/> D4/8.SNNT2.I.ADO | 1SNA399779R2400 | 50      | 13.00            |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.



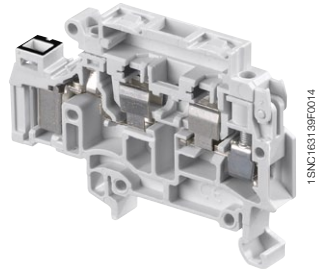
# D4/8.SF.I.ADO IDC terminal blocks

For 5 x 20 and 5 x 25 fuses - with test socket ADO - screw clamp

8 mm 0.315 in spacing

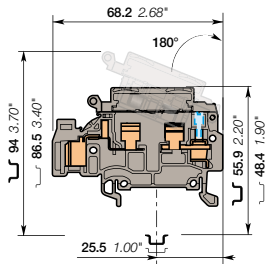


2.5 mm<sup>2</sup>  
14 AWG



1SNC163139F0014

D4/8.SF.I.ADO



8 mm 0.315 in spacing

## Description

- Protect your circuits with 5 x 20 and 5x 25 fuse terminal blocks (fuse not delivered with the terminal blocks),
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

## Ordering details

| Description  | Color                         | Type             | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|------------------|-----------------|---------|------------------|
| <b>Fuse</b> With 2 test sockets<br>DIA 2 mm 0.079 in,<br>With black marking for wire size<br>1-2.5 mm <sup>2</sup> (16-14 AWG) | Grey <input type="checkbox"/> | D4/8.SFT2.I.ADO2 | 1SNA399762R1300 | 50      | 13.00            |

## Main technical data

|  |   | IEC   | UL     | CSA | Mounting instructions |  |
|--|---|---|--------|-----|-----------------------|--|
| <b>ADO</b>                                     | Rigid - Solid / Stranded<br>Flexible                                    | 1-2.5 mm <sup>2</sup><br>1-2.5 mm <sup>2</sup>        |        |     | Rail                  | TH 35-7.5,<br>TH 35-15                   |
|  |   |   |        |     | Wire stripping length | 9.5 mm<br>0.37 in                        |
| <b>Screw clamp</b>                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.2-4 mm <sup>2</sup><br>0.22-4 mm <sup>2</sup><br>A4 |        |     | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| <b>Rated current / Rated cross section</b>     |   | 6.3 A / 2.5 mm <sup>2</sup>                           |        |     | Torque                | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| <b>Rated short-time withstand current (1s)</b> |   | 300 A   |        |     |                       |  |
| <b>Rated voltage</b>                           |   | 630 V   |        |     |                       |  |
| <b>Impulse withstand voltage</b>               |   | 8000 V  |        |     |                       |  |
| <b>Protection</b>                              |   | IP20  | NEMA 1 |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |      |    |        |
|------|------|----|--------|
| RoHS | RoHS | PC | Gost R |
|------|------|----|--------|

## Accessories

| Description                     | Color                          | Type           | Order code  | Pkg pce        | Weight (1 pce) g |
|---------------------------------|--------------------------------|----------------|---|----------------|------------------|
| <b>1 End stops</b>              | Grey <input type="checkbox"/>  | BAM2<br>BADL   | 1SNA206351R1600<br>1SNA399903R0200                    | 50<br>50       | 12.00<br>4.70    |
| <b>2 End sections</b>           | Grey <input type="checkbox"/>  | FEDAD10        | 1SNA399758R2700                                       | 20             | 3.00             |
| <b>3 Lateral jumper bars</b>    |                                | PC81-10        | 1SNA173523R1100                                       | 10             | 5.00             |
| <b>4 Test plugs</b>             | Black <input type="checkbox"/> | FC2            | 1SNA007865R2600                                       | 100            |                  |
| <b>5 Fuses</b>                  |                                | FU520          | 1SNA008288R1500                                       | 10             |                  |
|                                 |                                |                | 1SNA008290R1300                                       | 10             |                  |
|                                 |                                |                | 1SNA008291R0000                                       | 10             |                  |
|                                 |                                |                | 1SNA008289R1600                                       | 10             |                  |
|                                 |                                |                | 1SNA008292R0100                                       | 10             |                  |
| <b>6 Assembly rods</b>          |                                | TGA8           | 1SNA168672R1100<br>1SNA168673R1200<br>1SNA168674R1300 | 10<br>10<br>10 | 1.00             |
| <b>7 Spring retaining rings</b> |                                | ANT            | 1SNA168675R1400                                       | 10             |                  |
| <b>8 Tools</b>                  |                                | OUPAD<br>OUMAD | 1SNA178944R0400<br>1SNA179466R0600                    | 1<br>1         | 205.00<br>29.00  |
| <b>9 Terminal block markers</b> | White <input type="checkbox"/> | RC810          | 1SNA234000R0200                                       | 1              | 8.20             |

Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

## Disconnect IDC terminal blocks

| Description  | Color                               | Type              | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------------|-------------------|-----------------|---------|------------------|
| <b>Disconnect</b> Profile aligned with D4/8.SF.I.ADO | Grey, blue <input type="checkbox"/> | D4/8.SNNT2.I.ADO2 | 1SNA399766R1700 | 50      | 13.00            |

All the technical data for UL/CSA standard and dimensions in inches are in italic.  
Technical data valid for copper conductors only.

# D4/8.SF.I.ADO IDC terminal blocks

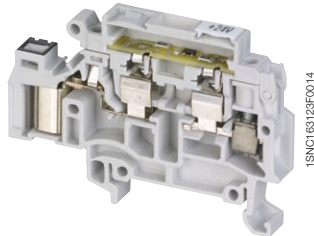
For 5 x 20 and 5 x 25 fuses - with test socket ADO - screw clamp

8 mm 0.315 in spacing



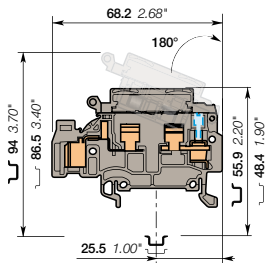
2.5 mm<sup>2</sup>  
14 AWG

2



1SNC163123FC00 14

D4/8.SF.I.ADO



8 mm 0.315 in spacing

## Description

- Protect your circuits with 5 x 20 and 5 x 25 fuse terminal blocks (fuse not delivered with the terminal blocks),
- Quickly identify the defective circuit thanks to blown fuse indicators,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

## Ordering details

| Description   | Color                         | Type              | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|-------------------|-----------------|---------|------------------|
| <b>Fuse</b><br>With blown fuse indicator by neon 110 - 230 V and 2 test sockets DIA 2 mm 0.079 in, with black marking for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG) | Grey <input type="checkbox"/> | D4/8.SFLT2.I.ADO2 | 1SNA399768R2100 | 50      | 13.00            |
| With blown fuse indicator by LED 24 V and 2 test sockets DIA 2 mm 0.079 in, with black marking for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG)                        | Grey <input type="checkbox"/> | D4/8.SFDT2.I.ADO2 | 1SNA399770R2700 | 50      | 13.00            |

## Main technical data

|  |                                       | IEC                          | UL     | CSA | Mounting instructions |  |
|--|---------------------------------------|------------------------------|--------|-----|-----------------------|--|
| <b>ADO</b>                                     | Rigid - Solid / Stranded              | 1-2.5 mm <sup>2</sup>        |        |     | Rail                  | TH 35-7.5, TH 35-15                      |
|  | Flexible                              | 1-2.5 mm <sup>2</sup>        |        |     | Wire stripping length | 9.5 mm 0.37 in                           |
| <b>Screw clamp</b>                             | Rigid - Solid / Stranded              | 0.2-4 mm <sup>2</sup>        |        |     | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
|  | Flexible with insulated ferrule Gauge | 0.22-4 mm <sup>2</sup><br>A4 |        |     |                       |  |
| <b>Rated current / Rated cross section</b>     |                                       | 6.3 A / 2.5 mm <sup>2</sup>  |        |     | Torque                | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| <b>Rated short-time withstand current (1s)</b> |                                       | 300 A                        |        |     |                       |  |
| <b>Rated voltage</b>                           |                                       | 500 V                        |        |     |                       |  |
| <b>Impulse withstand voltage</b>               |                                       | 6000 V                       |        |     |                       |  |
| <b>Protection</b>                              |                                       | IP20                         | NEMA 1 |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|                               |                                 |
|-------------------------------|---------------------------------|
| RoHS <input type="checkbox"/> | Gost R <input type="checkbox"/> |
|-------------------------------|---------------------------------|

## Accessories

| Description                     | Color                          | Type                | Order code      | Pkg pce         | Weight (1 pce) g |        |
|---------------------------------|--------------------------------|---------------------|-----------------|-----------------|------------------|--------|
| <b>1 End stops</b>              | Grey <input type="checkbox"/>  | BAM2                | 1SNA206351R1600 | 50              | 12.00            |        |
|                                 |                                | BADL                | 1SNA399903R0200 | 50              | 4.70             |        |
| <b>2 End sections</b>           | Grey <input type="checkbox"/>  | FEDAD10             | 1SNA399758R2700 | 20              | 3.00             |        |
| <b>3 Lateral jumper bars</b>    |                                | PC81-10             | 1SNA173523R1100 | 10              | 5.00             |        |
| <b>4 Test plugs</b>             | Black <input type="checkbox"/> | FC2                 | 1SNA007865R2600 | 100             |                  |        |
| <b>5 Fuses</b>                  | Grey <input type="checkbox"/>  | FU520               | 1SNA008288R1500 | 10              |                  |        |
|                                 |                                | 1 A                 | 1SNA008290R1300 | 10              |                  |        |
|                                 |                                | 2 A                 | 1SNA008291R0000 | 10              |                  |        |
|                                 |                                | 3.15 A              | 1SNA008289R1600 | 10              |                  |        |
|                                 |                                | 5 A                 | 1SNA008292R0100 | 10              |                  |        |
| <b>6 Assembly rods</b>          | Grey <input type="checkbox"/>  | TGA8                | 1SNA168672R1100 | 10              | 1.00             |        |
|                                 |                                |                     | 1SNA168673R1200 | 10              |                  |        |
|                                 |                                |                     | 1SNA168674R1300 | 10              |                  |        |
|                                 |                                |                     | 1SNA168675R1400 | 10              |                  |        |
| <b>7 Spring retaining rings</b> |                                | ANT                 | 1SNA168675R1400 | 10              |                  |        |
| <b>8 Tools</b>                  | White <input type="checkbox"/> | Semi automatic tool | OUPAD           | 1SNA178944R0400 | 1                | 205.00 |
|                                 |                                | Hand tool           | OUMAD           | 1SNA179466R0600 | 1                | 29.00  |
| <b>9 Terminal block markers</b> | White <input type="checkbox"/> | RC810               | 1SNA234000R0200 | 1               | 8.20             |        |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

## Disconnect IDC terminal blocks

| Description   | Color                               | Type              | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------------|-------------------|-----------------|---------|------------------|
| <b>Disconnect</b><br>Profile aligned with D4/8.SF.I.ADO | Grey, blue <input type="checkbox"/> | D4/8.SNNT2.I.ADO2 | 1SNA399766R1700 | 50      | 13.00            |

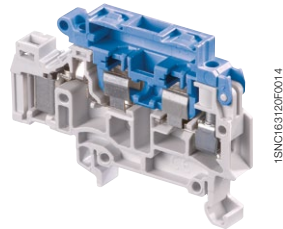
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.



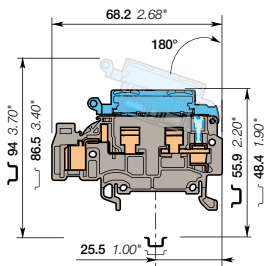
# D4/8.SN.I.ADO IDC terminal blocks

## Disconnect with lever - with test socket - ADO screw clamp

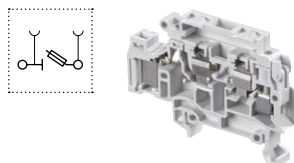
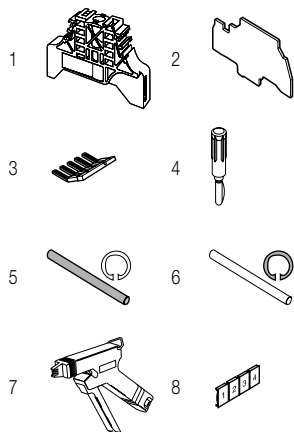
### 8 mm 0.315 in spacing



D4/8.SN.I.ADO



8 mm 0.315 in spacing



### Description

- Disconnect terminal blocks aligned with fuse holder terminal blocks,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description   | Color      | Type             | Order code      | Pkg pce | Weight (1 pce) g |
|---|------------|------------------|-----------------|---------|------------------|
| Disconnect With 2 test sockets<br>DIA 2 mm 0.079 in | Grey, blue | D4/8.SNNT2.I.ADO | 1SNA399779R2400 | 50      | 13.00            |

### Main technical data

|   | IEC                                  | UL                           | CSA    | Mounting instructions |  |
|---|--------------------------------------|------------------------------|--------|-----------------------|--|
|   |                                      |                              |        | Rail                  | TH 35-7.5, TH 35-15                      |
|   |                                      |                              |        | Wire stripping length | 9.5 mm 0.37 in                           |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible | 0.34-1.5 mm²<br>0.34-1.5 mm² |        | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
|   | with insulated ferrule               |                              |        |                       |  |
|   | Gauge                                | A4                           |        |                       |  |
| Rated current / Rated cross section     |                                      | 10 A / 1.5 mm²               |        | Torque                | 0.5 - 0.8 Nm<br>4.4 - 7.1 lb.in          |
| Rated short-time withstand current (1s) |                                      | 180 A                        |        |                       |  |
| Rated voltage                           |                                      | 630 V                        |        |                       |  |
| Impulse withstand voltage               |                                      | 8000 V                       |        |                       |  |
| Protection                              |                                      | IP20                         | NEMA 1 |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Accessories

| Description              | Color | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|-------|---------|-----------------|---------|------------------|
| 1 End stops              | Grey  | BAM2    | 1SNA206351R1600 | 50      | 12.00            |
|                          |       | BADL    | 1SNA39903R0200  | 50      | 4.70             |
| 2 End sections           | Grey  | FEDAD10 | 1SNA399758R2700 | 20      | 3.00             |
| 3 Lateral jumper bars    |       | PC81-10 | 1SNA173523R1100 | 10      | 5.00             |
| 4 Test plugs             | Black | FC2     | 1SNA007865R2600 | 100     |                  |
| 5 Assembly rods          |       | TGA8    | 1SNA168672R1100 | 10      | 1.00             |
|                          |       |         | 1SNA168673R1200 | 10      |                  |
|                          |       |         | 1SNA168674R1300 | 10      |                  |
| 6 Spring retaining rings |       | ANT     | 1SNA168675R1400 | 10      |                  |
| 7 Tools                  |       | OUPAD   | 1SNA178944R0400 | 1       | 205.00           |
|                          |       | OUMAD   | 1SNA179466R0600 | 1       | 29.00            |
| 8 Terminal block markers | White | RC810   | 1SNA234000R0200 | 1       | 8.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

### Fuse IDC terminal blocks

| Description                             | Color | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------|-----------------|-----------------|---------|------------------|
| Fuse Profile aligned with D4/8.SN.I.ADO | Grey  | D4/8.SFT2.I.ADO | 1SNA399777R1200 | 50      | 13.00            |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

# D4/8.SN.I.ADO IDC terminal blocks

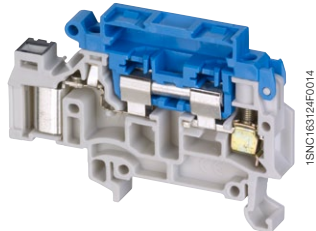
## Disconnect with lever - with test socket - ADO screw clamp

### 8 mm 0.315 in spacing



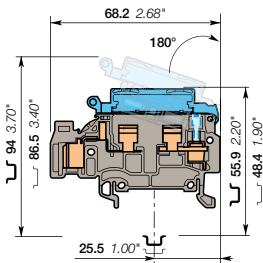
2.5 mm<sup>2</sup>  
14 AWG

2



1SNC163124F0014

D4/8.SN.I.ADO



8 mm 0.315 in spacing

### Description

- Disconnect terminal blocks aligned with fuse holder terminal blocks,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description   | Color      | Type              | Order code      | Pkg pce | Weight (1 pce) g |
|---|------------|-------------------|-----------------|---------|------------------|
| <b>Disconnect</b> With 2 test sockets<br>DIA 2 mm 0.079 in,<br>with black marking for<br>wire size 1-2.5 mm <sup>2</sup><br>(16-14 AWG) | Grey, blue | D4/8.SNNT2.I.ADO2 | 1SNA399766R1700 | 50      | 13.00            |

### Main technical data

|  |  | IEC                          | UL     | CSA | Mounting instructions |  |
|--|--|------------------------------|--------|-----|-----------------------|--|
| ADO  | Rigid - Solid / Stranded                 | 1-2.5 mm <sup>2</sup>        |        |     | Rail                  | TH 35-7.5,<br>TH 35-15                   |
|  | Flexible                                 | 1-2.5 mm <sup>2</sup>        |        |     | Wire stripping length | 9.5 mm<br>0.37 in                        |
| Screw clamp                                    | Rigid - Solid / Stranded                 | 0.2-4 mm <sup>2</sup>        |        |     | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
|  | Flexible with insulated ferrule<br>Gauge | 0.22-4 mm <sup>2</sup><br>A4 |        |     |                       |  |
| <b>Rated current / Rated cross section</b>     |  | 6.3 A / 2.5 mm <sup>2</sup>  |        |     | Torque                | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| <b>Rated short-time withstand current (1s)</b> |  | 300 A                        |        |     |                       |  |
| <b>Rated voltage</b>                           |  | 630 V                        |        |     |                       |  |
| <b>Impulse withstand voltage</b>               |  | 8000 V                       |        |     |                       |  |
| <b>Protection</b>                              |  | IP20                         | NEMA 1 |     |                       |  |

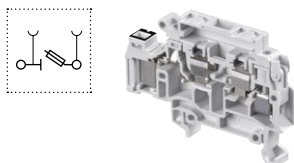
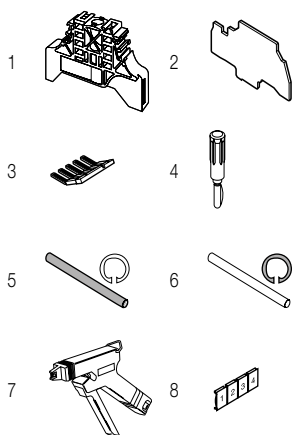
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |      |        |  |  |  |  |
|------|------|--------|--|--|--|--|
| RoHS | RoHS | Gost R |  |  |  |  |
|------|------|--------|--|--|--|--|

### Accessories

| Description                     | Color | Type                | Order code      | Pkg pce         | Weight (1 pce) g |        |
|---------------------------------|-------|---------------------|-----------------|-----------------|------------------|--------|
| 1 <b>End stops</b>              | Grey  | BAM2                | 1SNA206351R1600 | 50              | 12.00            |        |
|                                 |       | BADL                | 1SNA399903R0200 | 50              | 4.70             |        |
| 2 <b>End sections</b>           | Grey  | FEDAD10             | 1SNA399758R2700 | 20              | 3.00             |        |
| 3 <b>Lateral jumper bars</b>    |       | PC81-10             | 1SNA173523R1100 | 10              | 5.00             |        |
| 4 <b>Test plugs</b>             | Black | FC2                 | 1SNA007865R2600 | 100             |                  |        |
| 5 <b>Assembly rods</b>          |       | 2 poles             | 1SNA168672R1100 | 10              | 1.00             |        |
|                                 |       | 3 poles             | 1SNA168673R1200 | 10              |                  |        |
|                                 |       | 4 poles             | 1SNA168674R1300 | 10              |                  |        |
|                                 |       |                     | 1SNA168675R1400 | 10              |                  |        |
| 6 <b>Spring retaining rings</b> |       | ANT                 | 1SNA168675R1400 | 10              |                  |        |
| 7 <b>Tools</b>                  |       | Semi automatic tool | OUPAD           | 1SNA178944R0400 | 1                | 205.00 |
|                                 |       | Hand tool           | OUMAD           | 1SNA179466R0600 | 1                | 29.00  |
| 8 <b>Terminal block markers</b> | White | RC810               | 1SNA234000R0200 | 1               | 8.20             |        |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



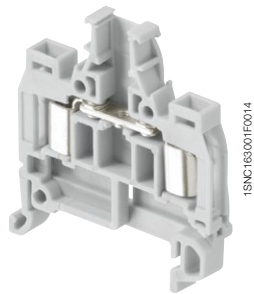
### Fuse IDC terminal blocks

| Description                                    | Color | Type             | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------|------------------|-----------------|---------|------------------|
| <b>Fuse</b> Profile aligned with D4/8.SN.I.ADO | Grey  | D4/8.SFT2.I.ADO2 | 1SNA399762R1300 | 50      | 13.00            |

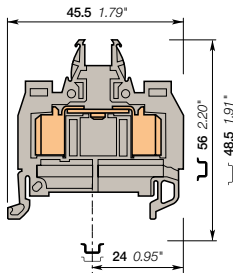
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D1/5.ADO IDC terminal blocks

## Feed-through ADO - ADO - 5 mm 0.197 in spacing



D1/5.ADO



5 mm 0.197 in spacing

### Description

- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

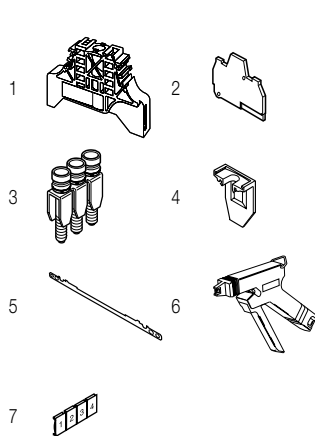
### Ordering details

| Description               | Color  | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------|--------|------------|-----------------|---------|------------------|
| Feed-through Feed-through | Grey   | D1/5.ADO   | 1SNA199563R2400 | 50      | 5.00             |
|                           | Blue   | D1/5.N.ADO | 1SNA199565R2600 | 50      | 5.00             |
|                           | Orange | D1/5.ADO   | 1SNA199564R2500 | 50      | 5.00             |

### Main technical data

|   |                                       | IEC            | UL | CSA          | Mounting instructions |                     |
|---|---------------------------------------|----------------|----|--------------|-----------------------|---------------------|
| ADO                                     | Rigid - Solid / Stranded              | 0.2-1 mm²      |    | 22-18 AWG    | Rail                  | TH 35-7.5, TH 35-15 |
|   | Flexible                              | 0.22-1 mm²     |    |              | Wire stripping length |                     |
| Screw clamp                             | Rigid - Solid / Stranded              |                |    |              | Tool                  |                     |
|   | Flexible with insulated ferrule Gauge |                |    |              |                       |                     |
| Rated current / Rated cross section     |                                       | 13.5 A / 1 mm² |    | 7 A / 18 AWG | Torque                |                     |
| Rated short-time withstand current (1s) |                                       | 120 A          |    |              |                       |                     |
| Rated voltage                           |                                       | 1000 V         |    | 600 V        |                       |                     |
| Impulse withstand voltage               |                                       | 8000 V         |    |              |                       |                     |
| Protection                              |                                       | IP20           |    | NEMA 1       |                       |                     |

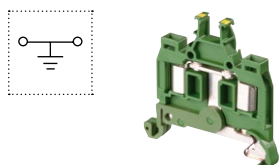
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Accessories

| Description          | Color | Type       | Order code      | Pkg pce         | Weight (1 pce) g |       |
|----------------------|-------|------------|-----------------|-----------------|------------------|-------|
| 1 End stops          | Grey  | BAM2       | 1SNA206351R1600 | 50              | 12.00            |       |
|                      |       | BADL       | 1SNA399903R0200 | 50              | 4.70             |       |
| 2 End sections       | Grey  | FEMAD3     | 1SNA199341R0500 | 20              | 2.50             |       |
| 3 Jumper bars        |       | 2 poles    | BJMI5-2         | 1SNA176278R1600 | 10               | 3.30  |
|                      |       | 3 poles    | BJMI5-3         | 1SNA176279R1700 | 10               | 5.00  |
|                      |       | 4 poles    | BJMI5-4         | 1SNA176280R0500 | 10               | 6.70  |
|                      |       | 5 poles    | BJMI5-5         | 1SNA176281R2200 | 10               | 8.40  |
|                      |       | 10 poles   | BJMI5-10        | 1SNA176282R2300 | 10               | 16.90 |
| 4 Circuit separators | Grey  | SCAD5      | 1SNA199551R2000 | 10              | 0.30             |       |
| 5 Shield connectors  |       | CBM5       | 1SNA178745R1400 | 50              |                  |       |
|                      |       | OUPAD      | 1SNA178944R0400 | 1               | 205.00           |       |
| 6 Tools              |       | Hand tool  | OUMAD           | 1SNA179466R0600 | 1                | 29.00 |
|                      |       | Blank card | RC510           | 1SNA231000R0700 | 1                | 5.20  |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



### Ground IDC terminal blocks

| Description                          | Color        | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------------|--------------|------------|-----------------|---------|------------------|
| Ground Profile aligned with D1/5.ADO | Green-yellow | D1/5.P.ADO | 1SNA399031R2200 | 50      | 9.00             |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

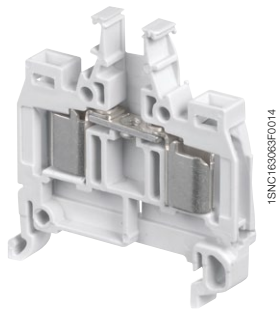
# D1.5/6.ADO IDC terminal blocks

## Feed-through ADO - ADO - 6 mm 0.236 in spacing

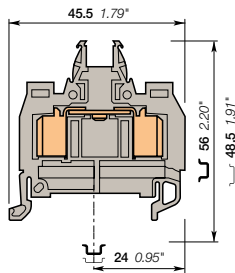


1.5 mm<sup>2</sup>  
16 AWG

2



D1.5/6.ADO



6 mm 0.236 in spacing

### Description

- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description  | Color                           | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|---------------------------------|--------------|-----------------|---------|------------------|
| Feed-through | Grey <input type="checkbox"/>   | D1.5/6.ADO   | 1SNA199051R2600 | 50      | 6.00             |
|              | Blue <input type="checkbox"/>   | D1.5/6.N.ADO | 1SNA199053R2000 | 50      | 6.00             |
|              | Orange <input type="checkbox"/> | D1.5/6.ADO   | 1SNA199052R2700 | 50      | 6.00             |

### Main technical data

|   |                                       | IEC                          | UL            | CSA           | Mounting instructions |                     |
|---|---------------------------------------|------------------------------|---------------|---------------|-----------------------|---------------------|
| ADO                                     | Rigid - Solid / Stranded              | 0.34-1.5 mm <sup>2</sup>     | 22-14 AWG     | 22-16 AWG     | Rail                  | TH 35-7.5, TH 35-15 |
|   | Flexible                              | 0.34-1.5 mm <sup>2</sup>     |               |               | Wire stripping length |                     |
| Screw clamp                             | Rigid - Solid / Stranded              |                              |               |               | Tool                  |                     |
|   | Flexible with insulated ferrule Gauge |                              |               |               |                       |                     |
| Rated current / Rated cross section     |                                       | 17.5 A / 1.5 mm <sup>2</sup> | 10 A / 14 AWG | 18 A / 16 AWG | Torque                |                     |
| Rated short-time withstand current (1s) |                                       | 180 A                        |               |               |                       |                     |
| Rated voltage                           |                                       | 1000 V                       | 600 V         | 600 V         |                       |                     |
| Impulse withstand voltage               |                                       | 8000 V                       |               |               |                       |                     |
| Protection                              |                                       | IP20                         | NEMA 1        |               |                       |                     |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Accessories

| Description              | Color                          | Type  | Order code      | Pkg pce         | Weight (1 pce) g |        |       |
|--------------------------|--------------------------------|---|-----------------|-----------------|------------------|--------|-------|
| 1 End stops              | Grey <input type="checkbox"/>  | BAM2  | 1SNA206351R1600 | 50              | 12.00            |        |       |
|                          |                                | BADL  | 1SNA399903R0200 | 50              | 4.70             |        |       |
| 2 End sections           | Grey <input type="checkbox"/>  | FEMAD3  | 1SNA199341R0500 | 20              | 2.50             |        |       |
| 3 Jumper bars            |                                | 2 poles                                       | 32 A            | BJMI6-2         | 1SNA176663R0000  | 10     | 4.40  |
|                          |                                | 3 poles                                       |                 | BJMI6-3         | 1SNA176664R0100  | 10     | 6.70  |
|                          |                                | 4 poles                                       |                 | BJMI6-4         | 1SNA176665R0200  | 10     | 8.90  |
|                          |                                | 5 poles                                       |                 | BJMI6-5         | 1SNA176666R0300  | 10     | 11.20 |
|                          |                                | 10 poles                                      |                 | BJMI6-10        | 1SNA176667R0400  | 10     | 22.40 |
| 4 Cross spacing jumpers  |                                | 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in | EL6             | 1SNA173627R2100 | 10               | 0.10   |       |
|                          |                                | Universal screw jumper bar kit N°I            | BJDP1           | 1SNA179623R0300 | 10               | 7.00   |       |
|                          |                                | Universal screw jumper bar kit N°III          | BJDP3           | 1SNA179625R0500 | 10               | 5.00   |       |
| 5 Circuit separators     | Grey <input type="checkbox"/>  | SCAD  | 1SNA196896R0000 | 10              |                  |        |       |
| 6 Shield connectors      |                                | CBM5  | 1SNA178745R1400 | 50              |                  |        |       |
| 7 Tools                  |                                | Semi automatic tool                           | OUPAD           | 1SNA178944R0400 | 1                | 205.00 |       |
|                          |                                | Hand tool                                     | OUMAD           | 1SNA179466R0600 | 1                | 29.00  |       |
| 8 Terminal block markers | White <input type="checkbox"/> | RC610   | 1SNA233000R0100 | 1               | 7.50             |        |       |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



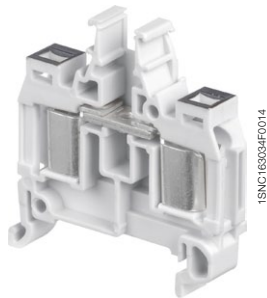
### Ground IDC terminal blocks

| Description | Color                                 | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|---------------------------------------|--------------|-----------------|---------|------------------|
| Ground      | Green-yellow <input type="checkbox"/> | D1.5/6.P.ADO | 1SNA199098R2600 | 50      | 6.00             |

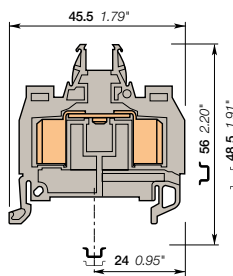
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D2.5/8.ADO IDC terminal blocks

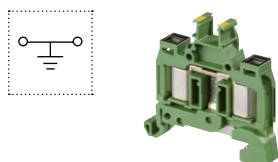
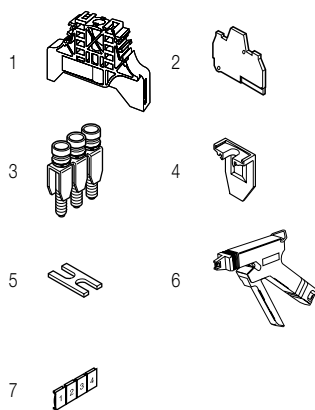
## Feed-through ADO - ADO - 8 mm 0.315 in spacing



D2.5/8.ADO



8 mm 0.315 in spacing



### Description

- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description   | Color  | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|---|--------|--------------|-----------------|---------|------------------|
| Feed-through With black marking for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG) | Grey   | D2.5/8.ADO   | 1SNA199059R0600 | 50      | 9.00             |
|   | Blue   | D2.5/8.N.ADO | 1SNA199061R2000 | 50      | 9.00             |
|   | Orange | D2.5/8.ADO   | 1SNA199060R0300 | 50      | 9.00             |

### Main technical data

|   |                                       | IEC                        | UL            | CSA           | Mounting instructions |                     |
|---|---------------------------------------|----------------------------|---------------|---------------|-----------------------|---------------------|
| ADO                                     | Rigid - Solid / Stranded              | 1-2.5 mm <sup>2</sup>      | 16-14 AWG     | 16-14 AWG     | Rail                  | TH 35-7.5, TH 35-15 |
|   | Flexible                              | 1-2.5 mm <sup>2</sup>      |               |               | Wire stripping length |                     |
| Screw clamp                             | Rigid - Solid / Stranded              |                            |               |               | Tool                  |                     |
|   | Flexible with insulated ferrule Gauge |                            |               |               |                       |                     |
| Rated current / Rated cross section     |                                       | 24 A / 2.5 mm <sup>2</sup> | 15 A / 14 AWG | 25 A / 14 AWG | Torque                |                     |
| Rated short-time withstand current (1s) |                                       | 300 A                      |               |               |                       |                     |
| Rated voltage                           |                                       | 1000 V                     | 600 V         | 600 V         |                       |                     |
| Impulse withstand voltage               |                                       | 8000 V                     |               |               |                       |                     |
| Protection                              |                                       | IP20                       | NEMA 1        |               |                       |                     |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Accessories

| Description              | Color | Type  | Order code      | Pkg pce         | Weight (1 pce) g |        |
|--------------------------|-------|---|-----------------|-----------------|------------------|--------|
| 1 End stops              | Grey  | BAM2  | 1SNA206351R1600 | 50              | 12.00            |        |
|                          |       | BADL  | 1SNA399903R0200 | 50              | 4.70             |        |
| 2 End sections           | Grey  | FEMAD3  | 1SNA199341R0500 | 20              | 2.50             |        |
| 3 Jumper bars            |       | 2 poles                                       | BJM8-2          | 1SNA176669R1600 | 10               | 4.50   |
|                          |       | 3 poles                                       | BJM8-3          | 1SNA176670R1300 | 10               | 6.00   |
|                          |       | 4 poles                                       | BJM8-4          | 1SNA176671R0000 | 10               | 10.00  |
|                          |       | 5 poles                                       | BJM8-5          | 1SNA176672R0100 | 10               | 12.22  |
|                          |       | 10 poles                                      | BJM8-10         | 1SNA176673R0200 | 10               | 20.00  |
| 4 Circuit separators     | Grey  | SCAD  | 1SNA196896R0000 | 10              |                  |        |
| 5 Cross spacing jumpers  |       | 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in | EL6             | 1SNA173627R2100 | 10               | 0.10   |
|                          |       | Universal screw jumper bar kit N°1            | BJDP1           | 1SNA179623R0300 | 10               | 7.00   |
|                          |       | Universal screw jumper bar kit N°III          | BJDP3           | 1SNA179625R0500 | 10               | 5.00   |
| 6 Tools                  |       | Semi automatic tool                           | OUPAD           | 1SNA178944R0400 | 1                | 205.00 |
|                          |       | Hand tool                                     | OUMAD           | 1SNA179466R0600 | 1                | 29.00  |
| 7 Terminal block markers | White | RC810   | 1SNA234000R0200 | 1               | 8.20             |        |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

### Ground IDC terminal blocks

| Description                            | Color        | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------|--------------|-----------------|---------|------------------|
| Ground Profile aligned with D2.5/8.ADO | Green-Yellow | D2.5/8.P.ADO | 1SNA199091R1700 | 50      | 9.00             |

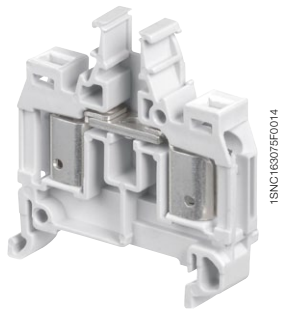
All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

# D4/8.ADO IDC terminal blocks

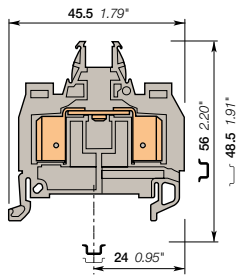
## Feed-through ADO-ADO - 8 mm 0.315 in spacing



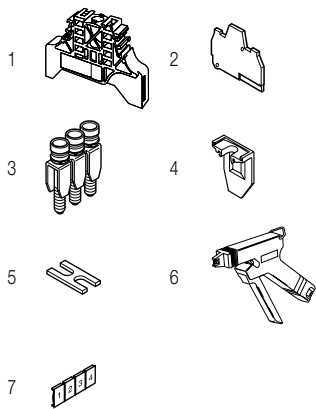
2



D4/8.ADO



8 mm 0.315 in spacing



### Description

- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.).

### Ordering details

| Description  | Color  | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------|------------|-----------------|---------|------------------|
| Feed-through With white marking for wire size 4 mm <sup>2</sup> (12 AWG) | Grey   | D4/8.ADO   | 1SNA399244R1400 | 50      | 9.00             |
|  | Blue   | D4/8.N.ADO | 1SNA399318R1600 | 50      | 9.00             |
|  | Orange | D4/8.ADO   | 1SNA399801R0400 | 50      | 9.00             |

### Main technical data

|   |                                 | IEC                      | UL     | CSA           | Mounting instructions |                     |
|---|---------------------------------|--------------------------|--------|---------------|-----------------------|---------------------|
| ADO                                     | Rigid - Solid / Stranded        | 4 mm <sup>2</sup>        |        | 14-12 AWG     | Rail                  | TH 35-7.5, TH 35-15 |
|   | Flexible                        | 4 mm <sup>2</sup>        |        |               | Wire stripping length |                     |
| Screw clamp                             | Rigid - Solid / Stranded        |                          |        |               | Tool                  |                     |
|   | Flexible with insulated ferrule |                          |        |               |                       |                     |
|   | Gauge                           |                          |        |               |                       |                     |
| Rated current / Rated cross section     |                                 | 32 A / 4 mm <sup>2</sup> |        | 25 A / 12 AWG | Torque                |                     |
| Rated short-time withstand current (1s) |                                 | 480 A                    |        |               |                       |                     |
| Rated voltage                           |                                 | 1000 V                   |        | 600 V         |                       |                     |
| Impulse withstand voltage               |                                 | 8000 V                   |        |               |                       |                     |
| Protection                              |                                 | IP20                     | NEMA 1 |               |                       |                     |

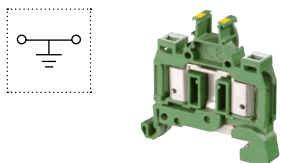
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |      |        |        |  |  |  |  |  |  |
|------|------|--------|--------|--|--|--|--|--|--|
| RoHS | RoHS | cCSAus | Gost R |  |  |  |  |  |  |
|------|------|--------|--------|--|--|--|--|--|--|

### Accessories

| Description              | Color | Type   | Order code      | Pkg pce         | Weight (1 pce) g |        |       |
|--------------------------|-------|--|-----------------|-----------------|------------------|--------|-------|
| 1 End stops              | Grey  | BAM2   | 1SNA206351R1600 | 50              | 12.00            |        |       |
|                          |       | BADL   | 1SNA399903R0200 | 50              | 4.70             |        |       |
| 2 End sections           | Grey  | FEMAD3   | 1SNA199341R0500 | 20              | 2.50             |        |       |
| 3 Jumper bars            |       | 2 poles  | 41 A            | BJM8-2          | 1SNA176669R1600  | 10     | 4.50  |
|                          |       | 3 poles  |                 | BJM8-3          | 1SNA176670R1300  | 10     | 6.00  |
|                          |       | 4 poles  |                 | BJM8-4          | 1SNA176671R0000  | 10     | 10.00 |
|                          |       | 5 poles  |                 | BJM8-5          | 1SNA176672R0100  | 10     | 12.22 |
|                          |       | 10 poles   |                 | BJM8-10         | 1SNA176673R0200  | 10     | 20.00 |
| 4 Circuit separators     | Grey  | SCAD   | 1SNA196896R0000 | 10              |                  |        |       |
| 5 Cross spacing jumpers  |       | 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in    | EL6             | 1SNA173627R2100 | 10               | 0.10   |       |
|                          |       | Universal screw jumper bar kit N <sup>PI</sup>   | BJDP1           | 1SNA179623R0300 | 10               | 7.00   |       |
|                          |       | Universal screw jumper bar kit N <sup>PIII</sup> | BJDP3           | 1SNA179625R0500 | 10               | 5.00   |       |
| 6 Tools                  |       | Semi automatic tool                              | OUPAD           | 1SNA178944R0400 | 1                | 205.00 |       |
|                          |       | Hand tool  | OMAD            | 1SNA179466R0600 | 1                | 29.00  |       |
| 7 Terminal block markers | White | RC810  | 1SNA234000R0200 | 1               | 8.20             |        |       |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



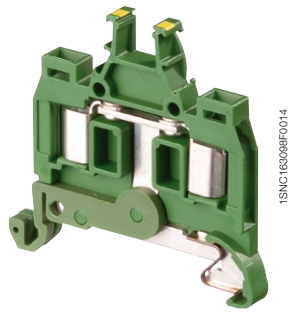
### Ground IDC terminal blocks

| Description                          | Color        | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------------|--------------|------------|-----------------|---------|------------------|
| Ground Profile aligned with D4/8.ADO | Green-Yellow | D4/8.P.ADO | 1SNA399250R2600 | 50      | 9.00             |

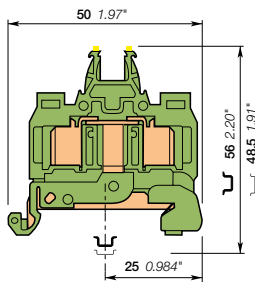
All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

# D1/5.P.ADO IDC terminal blocks

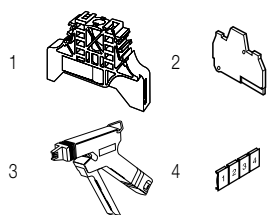
## Ground ADO - ADO - 5 mm 0.197 in spacing



D1/5.P.ADO



5 mm 0.197 in spacing



### Description

- Protect your installation in the event of a short-circuit thanks to our screwless rail contact non operator dependent,
- Secure mounting or removal from the rail,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Up to 2 wires per connection.

### Ordering details

| Description | Color                     | Type         | Order code | Pkg pce         | Weight (1 pce) g |
|-------------|---------------------------|--------------|------------|-----------------|------------------|
| Ground      | Screwless rail connection | Green-yellow | D1/5.P.ADO | 1SNA399031R2200 | 50 9.00          |

### Main technical data

|   |                                       | IEC        | UL     | CSA       | Mounting instructions |                     |
|---|---------------------------------------|------------|--------|-----------|-----------------------|---------------------|
| ADO                                     | Rigid - Solid / Stranded              | 0.2-1 mm²  |        | 22-18 AWG | Rail                  | TH 35-7.5, TH 35-15 |
|   | Flexible                              | 0.22-1 mm² |        |           | Wire stripping length |                     |
| Screw clamp                             | Rigid - Solid / Stranded              |            |        |           | Tool                  |                     |
|   | Flexible with insulated ferrule Gauge |            |        |           |                       |                     |
| Rated cross section                     |                                       | 1 mm²      |        | 18 AWG    | Torque                |                     |
| Rated short-time withstand current (1s) |                                       | 120 A      |        |           |                       |                     |
| Protection                              |                                       | IP20       | NEMA 1 |           |                       |                     |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

| RoHS | cCSAus | Gost R |
|------|--------|--------|
|      |        |        |

### Accessories

| Description              | Color | Type                | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|-------|---------------------|-----------------|---------|------------------|
| 1 End stops              | Grey  | BAM2                | 1SNA206351R1600 | 50      | 12.00            |
|                          |       | BADL                | 1SNA39903R0200  | 50      | 4.70             |
| 2 End sections           | Grey  | FEMAD3              | 1SNA199341R0500 | 20      | 2.50             |
| 3 Tools                  |       | Semi automatic tool | OUPAD           | 1       | 205.00           |
|                          |       | Hand tool           | OUMAD           | 1       | 29.00            |
| 4 Terminal block markers | White | RC510               | 1SNA231000R0700 | 1       | 5.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

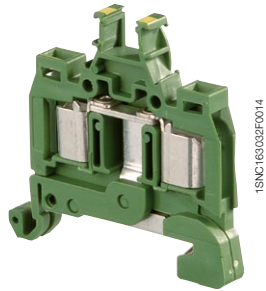
All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

# D1.5/6.P.ADO IDC terminal blocks

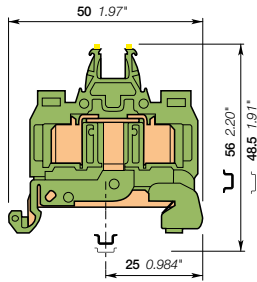
## Ground ADO - ADO - 6 mm 0.236 in spacing



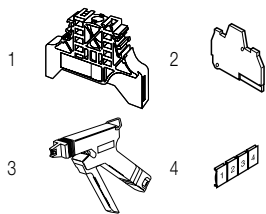
2



D1.5/6.P.ADO



6 mm 0.236 in spacing



### Description

- Protect your installation in the event of a short-circuit thanks to our screwless rail contact non operator dependent,
- Secure mounting or removal from the rail,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Up to 2 wires per connection.

### Ordering details

| Description                      | Color        | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|----------------------------------|--------------|--------------|-----------------|---------|------------------|
| Ground Screwless rail connection | Green-yellow | D1.5/6.P.ADO | 1SNA199098R2600 | 50      | 6.00             |

### Main technical data

|   |                                 | IEC                      | UL        | CSA       | Mounting instructions |                     |
|---|---------------------------------|--------------------------|-----------|-----------|-----------------------|---------------------|
| ADO                                     | Rigid - Solid / Stranded        | 0.34-1.5 mm <sup>2</sup> | 22-16 AWG | 22-16 AWG | Rail                  | TH 35-7.5, TH 35-15 |
|   | Flexible                        | 0.34-1.5 mm <sup>2</sup> |           |           | Wire stripping length |                     |
| Screw clamp                             | Rigid - Solid / Stranded        |                          |           |           | Tool                  |                     |
|   | Flexible with insulated ferrule |                          |           |           |                       |                     |
| Gauge                                   |                                 |                          |           |           | Torque                |                     |
| Rated cross section                     |                                 | 1.5 mm <sup>2</sup>      | 16 AWG    | 16 AWG    |                       |                     |
| Rated short-time withstand current (1s) |                                 | 180 A                    |           |           |                       |                     |
| Protection                              |                                 | IP20                     | NEMA 1    |           |                       |                     |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|             |          |              |         |  |  |  |  |  |  |
|-------------|----------|--------------|---------|--|--|--|--|--|--|
| RoHS:  RoHS | UL:  USR | CSA:  CCSAus | Gost R: |  |  |  |  |  |  |
|-------------|----------|--------------|---------|--|--|--|--|--|--|

### Accessories

| Description              | Color                          | Type                | Order code      | Pkg pce         | Weight (1 pce) g |        |
|--------------------------|--------------------------------|---------------------|-----------------|-----------------|------------------|--------|
| 1 End stops              | Grey <input type="checkbox"/>  | BAM2                | 1SNA206351R1600 | 50              | 12.00            |        |
|                          |                                | BADL                | 1SNA399903R0200 | 50              | 4.70             |        |
| 2 End sections           | Grey <input type="checkbox"/>  | FEMAD3              | 1SNA199341R0500 | 20              | 2.50             |        |
| 3 Tools                  |                                | Semi automatic tool | OUPAD           | 1SNA178944R0400 | 1                | 205.00 |
|                          |                                | Hand tool           | OUMAD           | 1SNA179466R0600 | 1                | 29.00  |
| 4 Terminal block markers | White <input type="checkbox"/> | RC610               | 1SNA233000R0100 | 1               | 7.50             |        |

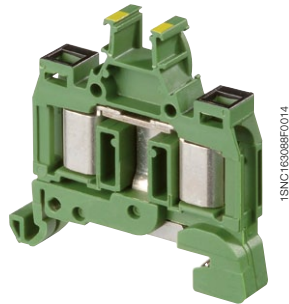
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

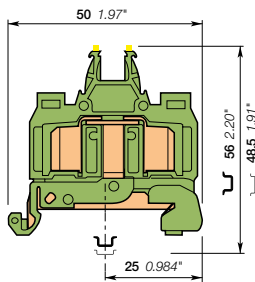


# D2.5/8.P.ADO IDC terminal blocks

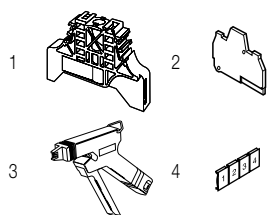
## Ground ADO - ADO - 8 mm 0.315 in spacing



D2.5/8.P.ADO



8 mm 0.315 in spacing



### Description

- Protect your installation in the event of a short-circuit thanks to our screwless rail contact non operator dependent,
- Secure mounting or removal from the rail,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Up to 2 wires per connection.

### Ordering details

| Description | Color  | Type         | Order code   | Pkg pce         | Weight (1 pce) g |
|-------------|--|--------------|--------------|-----------------|------------------|
| Ground      | Screwless rail connection with black marking for wire size 1-2.5 mm² (16-14 AWG) | Green-yellow | D2.5/8.P.ADO | 1SNA199091R1700 | 50 9.00          |

### Main technical data

|   | IEC  | UL                     | CSA       | Mounting instructions                              |
|---|--|------------------------|-----------|--|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible                                 | 1-2.5 mm²<br>1-2.5 mm² | 16-14 AWG | Rail  TH 35-7.5, TH 35-15<br>Wire stripping length |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible with insulated ferrule<br>Gauge |                        |           | Tool   |
| Rated cross section                     | 2.5 mm²  | 14 AWG                 |           | Torque   |
| Rated short-time withstand current (1s) | 300 A  |                        |           |  |
| Protection                              | IP20   | NEMA 1                 |           |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |    |        |  |  |  |  |  |  |  |
|------|----|--------|--|--|--|--|--|--|--|
| RoHS | UL | Gost R |  |  |  |  |  |  |  |
| RoHS | UL | Gost R |  |  |  |  |  |  |  |

### Accessories

| Description              | Color | Type           | Order code                         | Pkg pce  | Weight (1 pce) g |
|--------------------------|-------|----------------|------------------------------------|----------|------------------|
| 1 End stops              | Grey  | BAM2<br>BADL   | 1SNA206351R1600<br>1SNA399903R0200 | 50<br>50 | 12.00<br>4.70    |
| 2 End sections           | Grey  | FEMAD3         | 1SNA199341R0500                    | 20       | 2.50             |
| 3 Tools                  |       | OUPAD<br>OUMAD | 1SNA178944R0400<br>1SNA179466R0600 | 1<br>1   | 205.00<br>29.00  |
| 4 Terminal block markers | White | RC810          | 1SNA234000R0200                    | 1        | 8.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

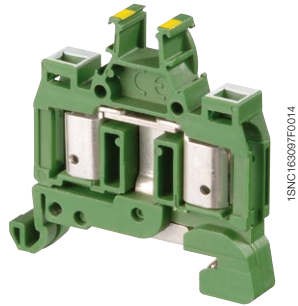
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D4/8.P.ADO IDC terminal blocks

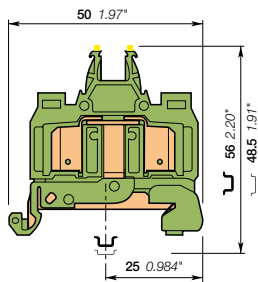
## Ground ADO - ADO - 8 mm 0.315 in spacing



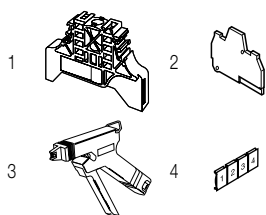
2



D4/8.P.ADO



8 mm 0.315 in spacing



### Description

- Protect your installation in the event of a short-circuit thanks to our screwless rail contact non operator dependent,
- Secure mounting or removal from the rail,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,

### Ordering details

| Description   | Color        | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|---|--------------|------------|-----------------|---------|------------------|
| Ground Screwless rail connection, with white marking for wire size 4 mm² (12 AWG) | Green-yellow | D4/8.P.ADO | 1SNA399250R2600 | 50      | 9.00             |

### Main technical data

|   | IEC   | UL     | CSA       |                               |
|---|---|--------|-----------|-------------------------------|
| ADO                                     | Rigid - Solid / Stranded : 4 mm²<br>Flexible : 4 mm²                    |        | 14-12 AWG | Rail<br>Wire stripping length |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge |        |           | Tool                          |
| Rated cross section                     | 4 mm²   |        | 12 AWG    |                               |
| Rated short-time withstand current (1s) | 480 A   |        |           | Torque                        |
| Protection                              | IP20  | NEMA 1 |           |                               |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |  |  |  |  |  |
|------|--|--|--|--|--|
| RoHS |  |  |  |  |  |
|------|--|--|--|--|--|

### Accessories

| Description              | Color | Type           | Order code                         | Pkg pce  | Weight (1 pce) g |
|--------------------------|-------|----------------|------------------------------------|----------|------------------|
| 1 End stops              | Grey  | BAM2<br>BADL   | 1SNA206351R1600<br>1SNA399903R0200 | 50<br>50 | 12.00<br>4.70    |
| 2 End sections           | Grey  | FEMAD3         | 1SNA199341R0500                    | 20       | 2.50             |
| 3 Tools                  |       | OUPAD<br>OUMAD | 1SNA178944R0400<br>1SNA179466R0600 | 1<br>1   | 205.00<br>29.00  |
| 4 Terminal block markers | White | RC810          | 1SNA234000R0200                    | 1        | 8.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

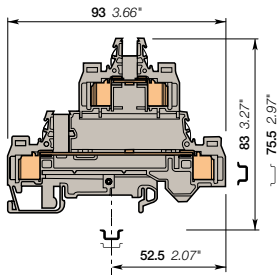
# D1.5/6.D2.ADO IDC terminal blocks

## Double deck with 2 feed-through circuits ADO-ADO

6 mm 0.236 in spacing



D1.5/6.D2.ADO



6 mm 0.236 in spacing

### Description

- Save space with 2 decks terminal block,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description                               | Color                         | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|-----------------|-----------------|---------|------------------|
| Feed-through With 2 feed-through circuits | Grey <input type="checkbox"/> | D1.5/6.D2.ADO   | 1SNA199480R2600 | 50      | 18.00            |
|   | Blue <input type="checkbox"/> | D1.5/6.D2.N.ADO | 1SNA199482R1400 | 50      | 18.00            |

### Main technical data

|   |                                       | IEC                          | UL     | CSA | Mounting instructions |                     |
|---|---------------------------------------|------------------------------|--------|-----|-----------------------|---------------------|
| ADO                                     | Rigid - Solid / Stranded              | 0.28-1.5 mm <sup>2</sup>     |        |     | Rail                  | TH 35-7.5, TH 35-15 |
|   | Flexible                              | 0.34-1.5 mm <sup>2</sup>     |        |     | Wire stripping length |                     |
| Screw clamp                             | Rigid - Solid / Stranded              |                              |        |     | Tool                  |                     |
|   | Flexible with insulated ferrule Gauge |                              |        |     |                       |                     |
| Rated current / Rated cross section     |                                       | 17.5 A / 1.5 mm <sup>2</sup> |        |     | Torque                |                     |
| Rated short-time withstand current (1s) |                                       | 180 A                        |        |     |                       |                     |
| Rated voltage                           |                                       | 800 V                        |        |     |                       |                     |
| Impulse withstand voltage               |                                       | 6000 V                       |        |     |                       |                     |
| Protection                              |                                       | IP20                         | NEMA 1 |     |                       |                     |

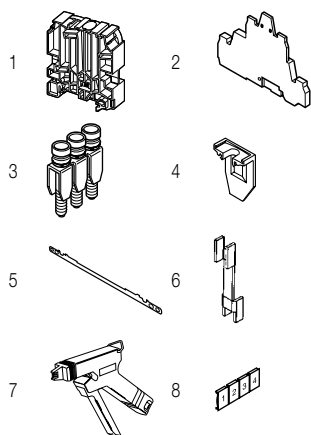
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |      |    |        |  |  |  |  |  |  |
|------|------|----|--------|--|--|--|--|--|--|
| RoHS | RoHS | PC | Gost R |  |  |  |  |  |  |
|------|------|----|--------|--|--|--|--|--|--|

### Accessories

| Description                         | Color                          | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------------------|--------------------------------|----------|-----------------|---------|------------------|
| 1 End stops 12 mm 0.472 in          | Grey <input type="checkbox"/>  | BADH     | 1SNA116900R2700 | 50      | 24.00            |
| 2 End sections 5 mm 0.197 in        | Grey <input type="checkbox"/>  | FED2AD2  | 1SNA199476R2500 | 20      | 7.00             |
| 3 Jumper bars 2 poles 32 A          |                                | BJMI6-2  | 1SNA176663R0000 | 10      | 4.40             |
|                                     |                                | BJMI6-3  | 1SNA176664R0100 | 10      | 6.70             |
|                                     |                                | BJMI6-4  | 1SNA176665R0200 | 10      | 8.90             |
|                                     |                                | BJMI6-5  | 1SNA176666R0300 | 10      | 11.20            |
|                                     |                                | BJMI6-10 | 1SNA176667R0400 | 10      | 22.40            |
| 4 Circuit separators 0 mm 0 in      | Grey <input type="checkbox"/>  | SCAD     | 1SNA196896R0000 | 10      |                  |
| 5 Shield connectors                 |                                | CBD2S    | 1SNA178408R1400 | 50      |                  |
| 6 Inner deck jumper bars            |                                | ITVE     | 1SNA179694R0300 | 20      | 1.40             |
| 7 Tools                             |                                | OUPAD    | 1SNA178944R0400 | 1       | 205.00           |
|                                     |                                | OUMAD    | 1SNA179466R0600 | 1       | 29.00            |
| 8 Terminal block markers Blank card | White <input type="checkbox"/> | RC610    | 1SNA233000R0100 | 1       | 7.50             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

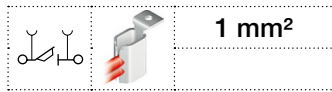


All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D1/5.SNT2.ADO IDC terminal blocks

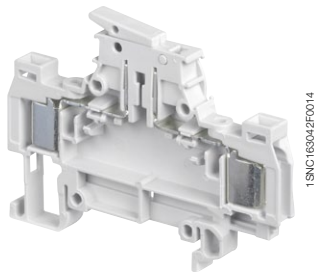
## Disconnect with blade - with test socket ADO - ADO

5 mm 0.197 in spacing



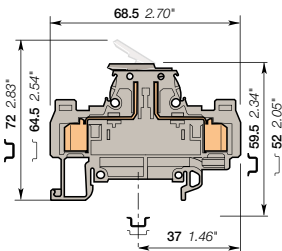
1 mm<sup>2</sup>

2



1SNC163042F0014

D1/5.SNT2.ADO






### Description

- Ease your disconnect operations with the disconnect knife blade operated by hand,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description   | Color                         | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|---------------|-----------------|---------|------------------|
| Disconnect With 2 test sockets<br>DIA 2 mm 0.079 in | Grey <input type="checkbox"/> | D1/5.SNT2.ADO | 1SNA399231R0700 | 50      | 9.00             |

### Main technical data

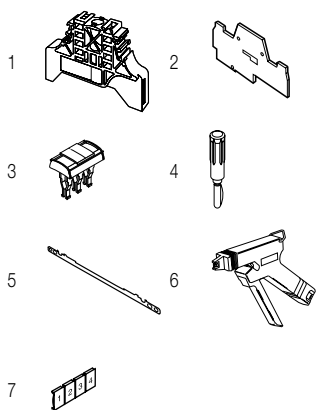
|   |                                 | IEC                      | UL     | CSA | Mounting instructions |   |
|---|---------------------------------|--------------------------|--------|-----|-----------------------|---|
| ADO                                     | Rigid - Solid / Stranded        | 0.2-1 mm <sup>2</sup>    |        |     | Rail                  |  TH 35-7.5, TH 35-15 |
|   | Flexible                        | 0.22-1 mm <sup>2</sup>   |        |     | Wire stripping length |                      |
| Screw clamp                             | Rigid - Solid / Stranded        |                          |        |     | Tool                  |   |
|   | Flexible with insulated ferrule |                          |        |     |                       |   |
| Gauge                                   |                                 |                          |        |     | Torque                |                      |
| Rated current / Rated cross section     |                                 | 10 A / 1 mm <sup>2</sup> |        |     |                       |   |
| Rated short-time withstand current (1s) |                                 | 120 A                    |        |     |                       |   |
| Rated voltage                           |                                 | 320 V                    |        |     |                       |   |
| Impulse withstand voltage               |                                 | 4000 V                   |        |     |                       |   |
| Protection                              |                                 | IP20                     | NEMA 1 |     |                       |   |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

RoHS

Gost R

5 mm 0.197 in spacing



### Accessories

| Description              | Color                           | Type     | Order code      | Pkg pce         | Weight (1 pce) g |      |
|--------------------------|---------------------------------|----------|-----------------|-----------------|------------------|------|
| 1 End stops              | Grey <input type="checkbox"/>   | BAM2     | 1SNA206351R1600 | 50              | 12.00            |      |
|                          |                                 | BADL     | 1SNA399903R0200 | 50              | 4.70             |      |
| 2 End sections           | Grey <input type="checkbox"/>   | FEDAD5   | 1SNA199354R0200 | 20              | 2.70             |      |
| 3 Jumper bars            | Orange <input type="checkbox"/> | 2 poles  | 13.5 A          | 1SNA205955R0300 | 20               | 1.00 |
|                          |                                 | 3 poles  |                 | 1SNA205956R0400 | 20               | 1.00 |
|                          |                                 | 10 poles |                 | 1SNA205963R0300 | 10               | 5.00 |
| 4 Test plugs             | Black <input type="checkbox"/>  | FC2      | 1SNA007865R2600 | 100             |                  |      |
| 5 Shield connectors      |                                 | CDB2     | 1SNA179635R0700 | 50              |                  |      |
| 6 Tools                  |                                 | OUPAD    | 1SNA178944R0400 | 1               | 205.00           |      |
|                          |                                 | OUMAD    | 1SNA179466R0600 | 1               | 29.00            |      |
| 7 Terminal block markers | White <input type="checkbox"/>  | RC510    | 1SNA231000R0700 | 1               | 5.20             |      |

Complete list of accessories is indicated in the terminal block datasheet.

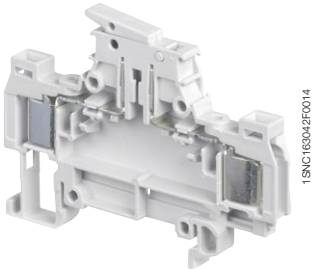
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic.  
Technical data valid for copper conductors only.

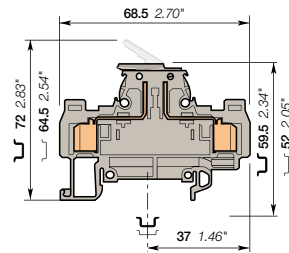
# D1.5/6.SNT2.ADO IDC terminal blocks

## Disconnect with blade - with test socket ADO - ADO

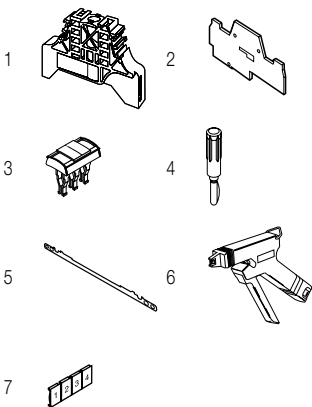
### 6 mm 0.236 in spacing



D1.5/6.SNT2.ADO



6 mm 0.236 in spacing



### Description

- Ease your disconnect operations with the disconnect knife blade operated by hand,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description   | Color                         | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|-----------------|-----------------|---------|------------------|
| Disconnect With 2 test sockets<br>DIA 2 mm 0.079 in | Grey <input type="checkbox"/> | D1.5/6.SNT2.ADO | 1SNA199144R2000 | 50      | 9.00             |

### Main technical data

|   |                                       | IEC                        | UL           | CSA           | Mounting instructions |                     |
|---|---------------------------------------|----------------------------|--------------|---------------|-----------------------|---------------------|
| ADO                                     | Rigid - Solid / Stranded              | 0.34-1.5 mm <sup>2</sup>   | 22-14 AWG    | 22-16 AWG     | Rail                  | TH 35-7.5, TH 35-15 |
|   | Flexible                              | 0.34-1.5 mm <sup>2</sup>   |              |               | Wire stripping length |                     |
| Screw clamp                             | Rigid - Solid / Stranded              |                            |              |               | Tool                  |                     |
|   | Flexible with insulated ferrule Gauge |                            |              |               |                       |                     |
| Rated current / Rated cross section     |                                       | 10 A / 1.5 mm <sup>2</sup> | 8 A / 14 AWG | 15 A / 16 AWG | Torque                |                     |
| Rated short-time withstand current (1s) |                                       | 180 A                      |              |               |                       |                     |
| Rated voltage                           |                                       | 500 V                      | 600 V        | 600 V         |                       |                     |
| Impulse withstand voltage               |                                       | 6000 V                     |              |               |                       |                     |
| Protection                              |                                       | IP20                       | NEMA 1       |               |                       |                     |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |    |       |        |  |  |  |  |  |  |
|------|----|-------|--------|--|--|--|--|--|--|
| RoHS | UR | CSAus | Gost R |  |  |  |  |  |  |
|------|----|-------|--------|--|--|--|--|--|--|

### Accessories

| Description              | Color                           | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|---------------------------------|----------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>   | BAM2     | 1SNA206351R1600 | 50      | 12.00            |
|                          |                                 | BADL     | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections           | Grey <input type="checkbox"/>   | FEDAD5   | 1SNA199354R0200 | 20      | 2.70             |
| 3 Jumper bars            | Orange <input type="checkbox"/> | 2 poles  | 1SNA205974R0600 | 20      | 1.00             |
|                          |                                 | 3 poles  | 1SNA205975R0700 | 20      | 1.00             |
|                          |                                 | 10 poles | 1SNA205982R2700 | 10      | 6.00             |
| 4 Test plugs             | Black <input type="checkbox"/>  | FC2      | 1SNA007865R2600 | 100     |                  |
| 5 Shield connectors      |                                 | CDB2     | 1SNA179635R0700 | 50      |                  |
| 6 Tools                  |                                 | OUPAD    | 1SNA178944R0400 | 1       | 205.00           |
|                          |                                 | OUMAD    | 1SNA179466R0600 | 1       | 29.00            |
| 7 Terminal block markers | White <input type="checkbox"/>  | RC610    | 1SNA233000R0100 | 1       | 7.50             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D2.5/8.SNT2.ADO IDC terminal blocks

## Disconnect with blade - with test socket ADO - ADO

### 8 mm 0.315 in spacing

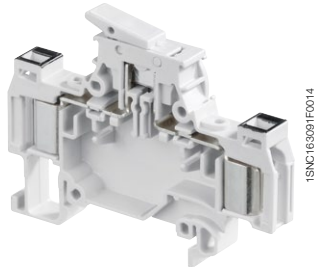


#### Description

- Ease your disconnect operations with the disconnect knife blade operated by hand,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

#### Ordering details

| Description   | Color                         | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|-----------------|-----------------|---------|------------------|
| <b>Disconnect</b><br>With 2 test sockets<br>DIA 2 mm 0.079 in<br>With black marking for wire size 1-2.5 mm² (16-14 AWG) | Grey <input type="checkbox"/> | D2.5/8.SNT2.ADO | 1SNA199231R2700 | 50      | 12.00            |



1SNC16305F0014

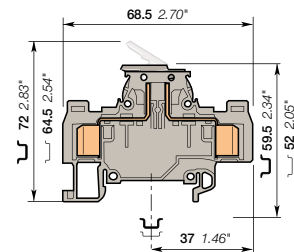
D2.5/8.SNT2.ADO

#### Main technical data

|  |   | IEC                    | UL            | CSA           |                                |
|--|---|------------------------|---------------|---------------|--------------------------------|
| <b>ADO</b>                                     | Rigid - Solid / Stranded<br>Flexible                                    | 1-2.5 mm²<br>1-2.5 mm² | 16-14 AWG     | 16-14 AWG     | Rail<br>TH 35-7.5,<br>TH 35-15 |
| <b>Screw clamp</b>                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge |                        |               |               | Wire stripping length<br>Tool  |
| <b>Rated current / Rated cross section</b>     |   | 15 A / 2.5 mm²         | 15 A / 14 AWG | 15 A / 14 AWG | Torque                         |
| <b>Rated short-time withstand current (1s)</b> |   | 300 A                  |               |               |                                |
| <b>Rated voltage</b>                           |   | 500 V                  | 600 V         | 600 V         |                                |
| <b>Impulse withstand voltage</b>               |   | 6000 V                 |               |               |                                |
| <b>Protection</b>                              |   | IP20                   | NEMA 1        |               |                                |

#### Mounting instructions

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



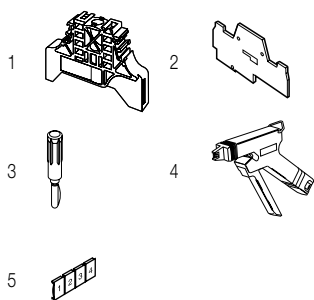
8 mm 0.315 in spacing

|                               |      |                             |    |                                 |        |                                 |        |
|-------------------------------|------|-----------------------------|----|---------------------------------|--------|---------------------------------|--------|
| RoHS <input type="checkbox"/> | RoHS | UL <input type="checkbox"/> | UL | cCSAus <input type="checkbox"/> | cCSAus | Gost R <input type="checkbox"/> | Gost R |
|-------------------------------|------|-----------------------------|----|---------------------------------|--------|---------------------------------|--------|

#### Accessories

| Description                     | Color                          | Type           | Order code                         | Pkg pce  | Weight (1 pce) g |
|---------------------------------|--------------------------------|----------------|------------------------------------|----------|------------------|
| <b>1 End stops</b>              | Grey <input type="checkbox"/>  | BAM2<br>BADL   | 1SNA206351R1600<br>1SNA399903R0200 | 50<br>50 | 12.00<br>4.70    |
| <b>2 End sections</b>           | Grey <input type="checkbox"/>  | FEDAD5         | 1SNA199354R0200                    | 20       | 2.70             |
| <b>3 Test plugs</b>             | Black <input type="checkbox"/> | FC2            | 1SNA007865R2600                    | 100      |                  |
| <b>4 Tools</b>                  |                                | OUPAD<br>OUMAD | 1SNA178944R0400<br>1SNA179466R0600 | 1<br>1   | 205.00<br>29.00  |
| <b>5 Terminal block markers</b> | White <input type="checkbox"/> | RC810          | 1SNA234000R0200                    | 1        | 8.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

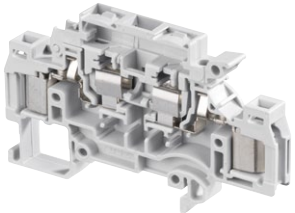
# D1.5/8.SF.ADO IDC terminal blocks

## For 5 x 20 and 5 x 25 fuses - with test socket ADO - ADO

### 8 mm 0.315 in spacing

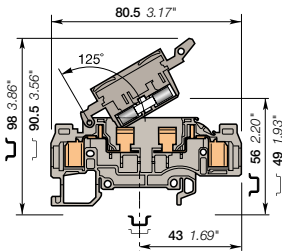


1.5 mm<sup>2</sup>  
16 AWG



1SNC163092F0014

D1.5/8.SF.ADO



8 mm 0.315 in spacing

### Description

- The ABB ADO System® fuse holders provide circuit protection for control applications,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description   | Color                         | Type           | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|----------------|-----------------|---------|------------------|
| Fuse With 2 test sockets<br>DIA 2 mm 0.079 in or<br>DIA 2.3 mm 0.091 in | Grey <input type="checkbox"/> | D1.5/8.SFT.ADO | 1SNA199208R1100 | 50      | 13.00            |

### Main technical data

|   | IEC   | UL           | CSA           |                                |
|---|---|--------------|---------------|--------------------------------|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible<br>0.34-1.5 mm <sup>2</sup>        | 22-16 AWG    | 22-16 AWG     | Rail<br>TH 35-7.5,<br>TH 35-15 |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge |              |               | Wire stripping length<br>Tool  |
| Rated current / Rated cross section     | 6.3 A / 1.5 mm <sup>2</sup>   | 8 A / 16 AWG | 10 A / 16 AWG | Torque                         |
| Rated short-time withstand current (1s) | 180 A   |              |               |                                |
| Rated voltage                           | 630 V   | 600 V        | 600 V         |                                |
| Impulse withstand voltage               | 8000 V  |              |               |                                |
| Protection                              | IP20  | NEMA 1       |               |                                |

### Mounting instructions

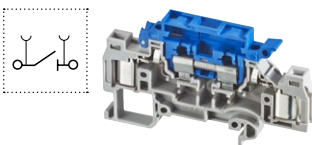
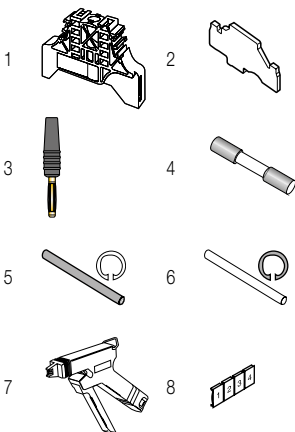
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |      |     |        |        |
|------|------|-----|--------|--------|
| RoHS | RoHS | USR | cCSAus | Gost R |
|------|------|-----|--------|--------|

### Accessories

| Description              | Color                          | Type           | Order code  | Pkg pce                    | Weight (1 pce) g |
|--------------------------|--------------------------------|----------------|---|----------------------------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>  | BAM2<br>BADL   | 1SNA206351R1600<br>1SNA39903R0200   | 50<br>50                   | 12.00<br>4.70    |
| 2 End sections           | Grey <input type="checkbox"/>  | FEDAD7         | 1SNA199382R2700   | 20                         | 3.80             |
| 3 Test plugs             | Black <input type="checkbox"/> | FC2.MC         | 1SNA107239R0300   | 20                         | 1.00             |
| 4 Fuses                  |                                | FU520          | 1SNA008288R1500<br>1SNA008290R1300<br>1SNA008291R0000<br>1SNA008289R1600<br>1SNA008292R0100 | 10<br>10<br>10<br>10<br>10 |                  |
| 5 Assembly rods          |                                | TGA8           | 1SNA168672R1100<br>1SNA168673R1200<br>1SNA168674R1300                                       | 10<br>10<br>10             | 1.00             |
| 6 Spring retaining rings |                                | ANT            | 1SNA168675R1400   | 10                         |                  |
| 7 Tools                  |                                | OUPAD<br>OUMAD | 1SNA178944R0400<br>1SNA179466R0600  | 1<br>1                     | 205.00<br>29.00  |
| 8 Terminal block markers | White <input type="checkbox"/> | RC810          | 1SNA234000R0200   | 1                          | 8.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



### Disconnect IDC terminal blocks

| Description                                   | Color                               | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------------|-----------------|-----------------|---------|------------------|
| Disconnect Profile aligned with D1.5/8.SF.ADO | Grey, Blue <input type="checkbox"/> | D1.5/8.SNNT.ADO | 1SNA199210R0600 | 50      | 17.00            |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

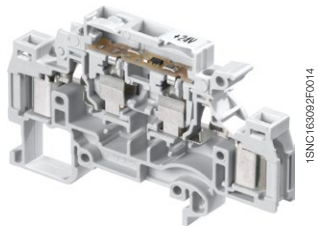
# D1.5/8.SF.ADO IDC terminal blocks

For 5 x 20 and 5 x 25 fuses - with blown fuse indicator and test socket ADO - ADO - 8 mm 0.315 in spacing



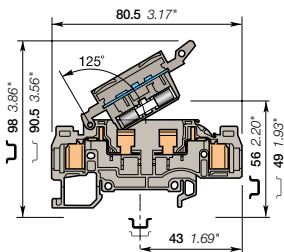
1.5 mm<sup>2</sup>  
16 AWG

2



1SNC163062P0014

D1.5/8.SF.ADO



8 mm 0.315 in spacing

## Description

- The ABB ADO System® fuse holders provide circuit protection for control applications,
- Quickly identify the defective circuit thanks to blown fuse indicators,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

## Ordering details

| Description | Color | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|-------|-----------------|-----------------|---------|------------------|
| Fuse        | Grey  | D1.5/8.SFLT.ADO | 1SNA199211R2300 | 50      | 14.00            |
|             | Grey  | D1.5/8.SFDT.ADO | 1SNA199212R2400 | 50      | 14.00            |

## Main technical data

|   |                              | IEC                         | UL           | CSA           | Mounting instructions |                     |
|---|------------------------------|-----------------------------|--------------|---------------|-----------------------|---------------------|
| ADO                                     | Rigid - Solid / Stranded     | 0.34-1.5 mm <sup>2</sup>    | 22-16 AWG    | 22-16 AWG     | Rail                  | TH 35-7.5, TH 35-15 |
|   | Flexible                     | 0.34-1.5 mm <sup>2</sup>    |              |               | Wire stripping length |                     |
| Screw clamp                             | Rigid - Solid / Stranded     |                             |              |               | Tool                  |                     |
|   | Flexible                     |                             |              |               |                       |                     |
|   | with insulated ferrule Gauge |                             |              |               |                       |                     |
| Rated current / Rated cross section     |                              | 6.3 A / 1.5 mm <sup>2</sup> | 8 A / 16 AWG | 10 A / 16 AWG | Torque                |                     |
| Rated short-time withstand current (1s) |                              | 180 A                       |              |               |                       |                     |
| Rated voltage                           |                              | 500 V                       | 600 V        | 600 V         |                       |                     |
| Impulse withstand voltage               |                              | 6000 V                      |              |               |                       |                     |
| Protection                              |                              | IP20                        | NEMA 1       |               |                       |                     |

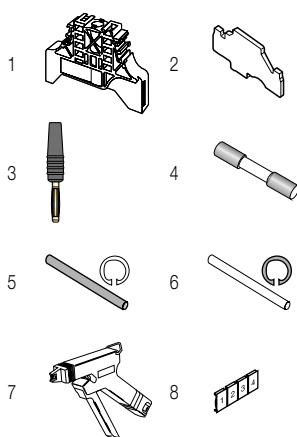
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |      |     |        |        |
|------|------|-----|--------|--------|
| RoHS | RoHS | USR | cCSAus | Gost R |
|------|------|-----|--------|--------|

## Accessories

| Description              | Color | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|-------|--------|-----------------|---------|------------------|
| 1 End stops              | Grey  | BAM2   | 1SNA206351R1600 | 50      | 12.00            |
|                          |       | BADL   | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections           | Grey  | FEDAD7 | 1SNA199382R2700 | 20      | 3.80             |
| 3 Test plugs             | Black | FC2.MC | 1SNA107239R0300 | 20      | 1.00             |
| 4 Fuses                  |       | FU520  | 1SNA008288R1500 | 10      |                  |
|                          |       |        | 1SNA008290R1300 | 10      |                  |
|                          |       |        | 1SNA008291R0000 | 10      |                  |
|                          |       |        | 1SNA008289R1600 | 10      |                  |
|                          |       |        | 1SNA008292R0100 | 10      |                  |
|                          |       |        | 1SNA008292R0100 | 10      |                  |
| 5 Assembly rods          |       | TGA8   | 1SNA168672R1100 | 10      | 1.00             |
|                          |       |        | 1SNA168673R1200 | 10      |                  |
|                          |       |        | 1SNA168674R1300 | 10      |                  |
|                          |       |        | 1SNA168675R1400 | 10      |                  |
| 6 Spring retaining rings |       | ANT    | 1SNA168675R1400 | 10      |                  |
| 7 Tools                  |       | OUPAD  | 1SNA178944R0400 | 1       | 205.00           |
|                          |       | OUMAD  | 1SNA179466R0600 | 1       | 29.00            |
|                          |       | RC810  | 1SNA234000R0200 | 1       | 8.20             |

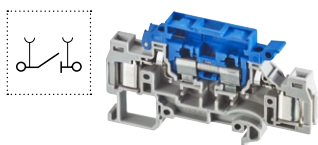
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



## Disconnect IDC terminal blocks

| Description | Color      | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|------------|-----------------|-----------------|---------|------------------|
| Disconnect  | Grey, blue | D1.5/8.SNNT.ADO | 1SNA199210R0600 | 50      | 17.00            |

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

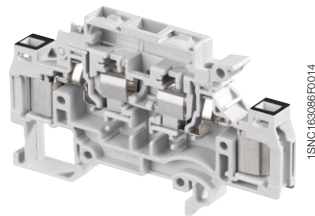




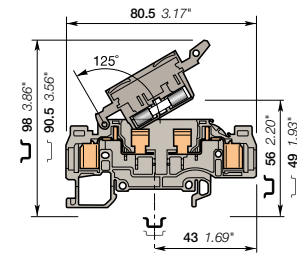
# D2.5/8.SF.ADO2 IDC terminal blocks

## For 5 x 20 and 5 x 25 fuses - with test socket ADO - ADO

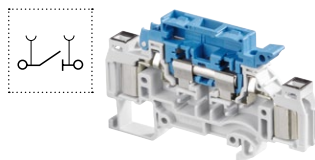
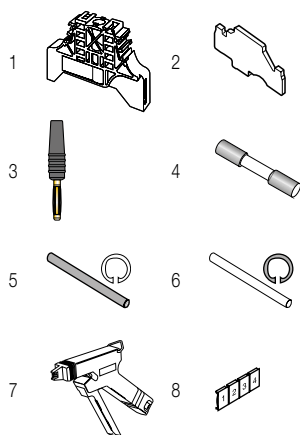
### 8 mm 0.315 in spacing



D2.5/8.SF.ADO2



8 mm 0.315 in spacing



### Description

- The ABB ADO System® fuse holders provide circuit protection for control applications,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description  | Color                         | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|-----------------|-----------------|---------|------------------|
| <b>Fuse</b> With 2 test sockets DIA 2 mm 0.079 in or DIA 2.3 mm 0.091 in and black marking for wire size 1-2.5 mm² (16-14 AWG) | Grey <input type="checkbox"/> | D2.5/8.SFT.ADO2 | 1SNA199184R1100 | 50      | 14.00            |

### Main technical data

|  |   | IEC                    | UL                     | CSA           | Mounting instructions     |
|--|---|------------------------|------------------------|---------------|---------------------------|
| <b>ADO</b>                                     | Rigid - Solid / Stranded<br>Flexible                                    | 1-2.5 mm²<br>1-2.5 mm² | 16-14 AWG<br>16-14 AWG | 16-14 AWG     | Rail  TH 35-7.5, TH 35-15 |
| <b>Screw clamp</b>                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge |                        |                        |               | Wire stripping length     |
| <b>Rated current / Rated cross section</b>     |   | 6.3 A / 2.5 mm²        | 10 A / 14 AWG          | 10 A / 14 AWG | Tool                      |
| <b>Rated short-time withstand current (1s)</b> |   | 300 A                  |                        |               | Torque                    |
| <b>Rated voltage</b>                           |   | 630 V                  | 600 V                  | 600 V         |                           |
| <b>Impulse withstand voltage</b>               |   | 8000 V                 |                        |               |                           |
| <b>Protection</b>                              |   | IP20                   | NEMA 1                 |               |                           |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |    |        |        |
|------|----|--------|--------|
|      |    |        |        |
| RoHS | UR | cCSAus | Gost R |

### Accessories

| Description                     | Color                          | Type           | Order code  | Pkg pce                    | Weight (1 pce) g |
|---------------------------------|--------------------------------|----------------|---|----------------------------|------------------|
| <b>1 End stops</b>              | Grey <input type="checkbox"/>  | BAM2<br>BADL   | 1SNA206351R1600<br>1SNA399903R0200  | 50<br>50                   | 12.00<br>4.70    |
| <b>2 End sections</b>           | Grey <input type="checkbox"/>  | FEDAD7         | 1SNA199382R2700   | 20                         | 3.80             |
| <b>3 Test plugs</b>             | Black <input type="checkbox"/> | FC2.MC         | 1SNA107239R0300   | 20                         | 1.00             |
| <b>4 Fuses</b>                  |                                | FU520          | 1SNA008288R1500<br>1SNA008290R1300<br>1SNA008291R0000<br>1SNA008289R1600<br>1SNA008292R0100 | 10<br>10<br>10<br>10<br>10 |                  |
| <b>5 Assembly rods</b>          |                                | TGA8           | 1SNA168672R1100<br>1SNA168673R1200<br>1SNA168674R1300                                       | 10<br>10<br>10             | 1.00             |
| <b>6 Spring retaining rings</b> |                                | ANT            | 1SNA168675R1400   | 10                         |                  |
| <b>7 Tools</b>                  |                                | OUPAD<br>OUMAD | 1SNA178944R0400<br>1SNA179466R0600  | 1<br>1                     | 205.00<br>29.00  |
| <b>8 Terminal block markers</b> | White <input type="checkbox"/> | RC810          | 1SNA234000R0200   | 1                          | 8.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

### Disconnect IDC terminal blocks

| Description  | Color                               | Type             | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------------|------------------|-----------------|---------|------------------|
| <b>Disconnect</b> Profile aligned with D2.5/8.SF.ADO | Grey, blue <input type="checkbox"/> | D2.5/8.SNNT.ADO2 | 1SNA199186R1300 | 50      | 18.00            |

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

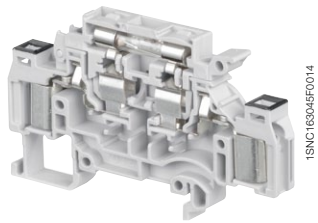
# D2.5/8.SF.ADO2 IDC terminal blocks

For 5 x 20 and 5 x 25 fuses - with blown fuse indicator and test socket ADO - ADO - 8 mm 0.315 in spacing



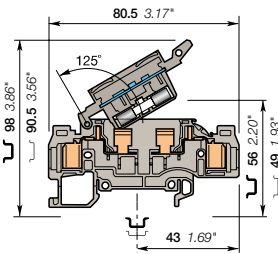
2.5 mm<sup>2</sup>  
14 AWG

2



1SNC16305950201

D2.5/8.SF.ADO2



8 mm 0.315 in spacing

## Description

- The ABB ADO System® fuse holders provide circuit protection for control applications,
- Quickly identify the defective circuit thanks to blown fuse indicators,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

## Ordering details

| Description   | Color                         | Type             | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|------------------|-----------------|---------|------------------|
| Fuse With blown fuse indicator by neon 110 - 230 V and 2 test sockets and black marking for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG) | Grey <input type="checkbox"/> | D2.5/8.SFLT.ADO2 | 1SNA199187R1400 | 50      | 15.00            |
| With blown fuse indicator by LED 24 V DC and 2 test sockets and black marking for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG)           | Grey <input type="checkbox"/> | D2.5/8.SFDT.ADO2 | 1SNA199188R2500 | 50      | 15.00            |

## Main technical data

|   |  | IEC  | UL            | CSA           | Mounting instructions |                        |
|---|--|--|---------------|---------------|-----------------------|------------------------|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible                                 | 1-2.5 mm <sup>2</sup><br>1-2.5 mm <sup>2</sup> | 16-14 AWG     | 16-14 AWG     | Rail                  | TH 35-7.5,<br>TH 35-15 |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible with insulated ferrule<br>Gauge |  |               |               | Wire stripping length |                        |
|   |  |  |               |               | Tool                  |                        |
| Rated current / Rated cross section     |  | 6.3 A / 2.5 mm <sup>2</sup>                    | 10 A / 14 AWG | 10 A / 14 AWG |                       |                        |
| Rated short-time withstand current (1s) |  | 300 A  |               |               |                       |                        |
| Rated voltage                           |  | 500 V  | 600 V         | 600 V         |                       |                        |
| Impulse withstand voltage               |  | 6000 V   |               |               |                       |                        |
| Protection                              |  | IP20   | NEMA 1        |               | Torque                |                        |

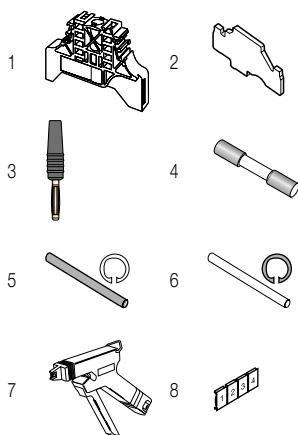
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



## Accessories

| Description              | Color                          | Type                             | Order code  | Pkg pce                    | Weight (1 pce) g |
|--------------------------|--------------------------------|----------------------------------|---|----------------------------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>  | BAM2<br>BADL                     | 1SNA206351R1600<br>1SNA399903R0200  | 50<br>50                   | 12.00<br>4.70    |
| 2 End sections           | Grey <input type="checkbox"/>  | FEDAD7                           | 1SNA199382R2700   | 20                         | 3.80             |
| 3 Test plugs             | Black <input type="checkbox"/> | FC2.MC                           | 1SNA107239R0300   | 20                         | 1.00             |
| 4 Fuses                  |                                | FU520                            | 1SNA008288R1500<br>1SNA008290R1300<br>1SNA008291R0000<br>1SNA008289R1600<br>1SNA008292R0100 | 10<br>10<br>10<br>10<br>10 |                  |
| 5 Assembly rods          |                                | TGA8                             | 1SNA168672R1100<br>1SNA168673R1200<br>1SNA168674R1300                                       | 10<br>10<br>10             | 1.00             |
| 6 Spring retaining rings |                                | ANT                              | 1SNA168675R1400   | 10                         |                  |
| 7 Tools                  |                                | Semi automatic tool<br>Hand tool | OUPAD<br>OUMAD  | 1<br>1                     | 205.00<br>29.00  |
| 8 Terminal block markers | White <input type="checkbox"/> | RC810                            | 1SNA234000R0200   | 1                          | 8.20             |

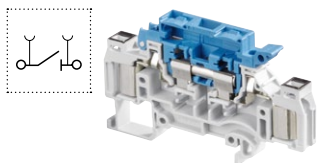
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



## Disconnect IDC terminal blocks

| Description                                   | Color                               | Type             | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------------|------------------|-----------------|---------|------------------|
| Disconnect Profile aligned with D2.5/8.SF.ADO | Grey, blue <input type="checkbox"/> | D2.5/8.SNNT.ADO2 | 1SNA199186R1300 | 50      | 18.00            |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

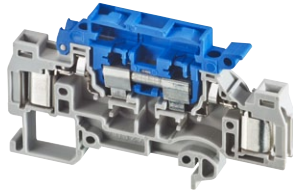


# D1.5/8.SNN.ADO IDC terminal blocks

## Disconnect - with test socket ADO - ADO - 8 mm 0.315 in spacing

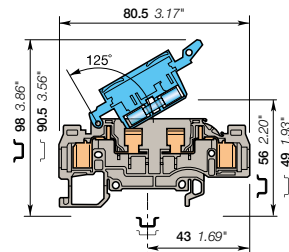


1.5 mm<sup>2</sup>  
16 AWG



1SNC163143F0014

D1.5/8.SNN.ADO



8 mm 0.315 in spacing

### Description

- Disconnect terminal blocks aligned with fuse holder terminal blocks,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description  | Color      | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|--|------------|-----------------|-----------------|---------|------------------|
| <b>Disconnect</b> With 2 test sockets<br>DIA 2 mm 0.079 in or<br>DIA 2.3 mm 0.091 in | Grey, blue | D1.5/8.SNNT.ADO | 1SNA199210R0600 | 50      | 17.00            |

### Main technical data

|  | IEC   | UL           | CSA           |                                |
|--|---|--------------|---------------|--------------------------------|
| <b>ADO</b>                                     | Rigid - Solid / Stranded<br>Flexible<br>0.34-1.5 mm <sup>2</sup>        | 22-16 AWG    | 22-16 AWG     | Rail<br>TH 35-7.5,<br>TH 35-15 |
| <b>Screw clamp</b>                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge |              |               | Wire stripping length<br>Tool  |
| <b>Rated current / Rated cross section</b>     | 10 A / 1.5 mm <sup>2</sup>  | 8 A / 16 AWG | 10 A / 16 AWG | Torque                         |
| <b>Rated short-time withstand current (1s)</b> | 180 A   |              |               |                                |
| <b>Rated voltage</b>                           | 630 V   | 600 V        | 600 V         |                                |
| <b>Impulse withstand voltage</b>               | 8000 V  |              |               |                                |
| <b>Protection</b>                              | IP20  | NEMA 1       |               |                                |

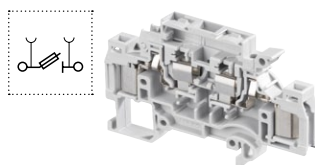
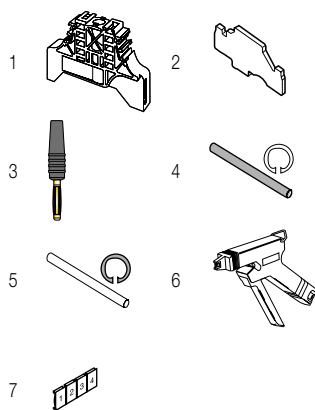
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |    |       |        |
|------|----|-------|--------|
| RoHS | UR | CSAus | Gost R |
|------|----|-------|--------|

### Accessories

| Description                     | Color | Type           | Order code  | Pkg pce        | Weight (1 pce) g |
|---------------------------------|-------|----------------|---|----------------|------------------|
| <b>1 End stops</b>              | Grey  | BAM2<br>BADL   | 1SNA206351R1600<br>1SNA399903R0200                    | 50<br>50       | 12.00<br>4.70    |
| <b>2 End sections</b>           | Grey  | FEDAD7         | 1SNA199382R2700                                       | 20             | 3.80             |
| <b>3 Test plugs</b>             | Black | FC2.MC         | 1SNA107239R0300                                       | 20             | 1.00             |
| <b>4 Assembly rods</b>          |       | TGA8           | 1SNA168672R1100<br>1SNA168673R1200<br>1SNA168674R1300 | 10<br>10<br>10 | 1.00             |
| <b>5 Spring retaining rings</b> |       | ANT            | 1SNA168675R1400                                       | 10             |                  |
| <b>6 Tools</b>                  |       | OUPAD<br>OUMAD | 1SNA178944R0400<br>1SNA179466R0600                    | 1<br>1         | 205.00<br>29.00  |
| <b>7 Terminal block markers</b> | White | RC810          | 1SNA234000R0200                                       | 1              | 8.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



### Fuse IDC terminal blocks

| Description                                     | Color | Type           | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------|----------------|-----------------|---------|------------------|
| <b>Fuse</b> Profile aligned with D1.5/8.SNN.ADO | Grey  | D1.5/8.SFT.ADO | 1SNA199208R1100 | 50      | 13.00            |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

# D2.5/8.SNNT.ADO2 IDC terminal blocks

## Disconnect - with test socket ADO - ADO - 8 mm 0.315 in spacing

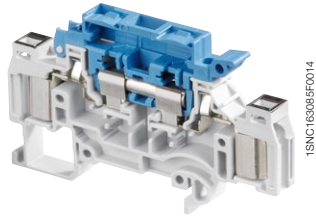


### Description

- Disconnect terminal blocks aligned with fuse holder terminal blocks,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description  | Color      | Type             | Order code      | Pkg pce | Weight (1 pce) g |
|--|------------|------------------|-----------------|---------|------------------|
| <b>Disconnect</b> With 2 test sockets<br>DIA 2 mm 0.079 in and black marking for wire size 1-2.5 mm² (16-14 AWG) | Grey, blue | D2.5/8.SNNT.ADO2 | 1SNA199186R1300 | 50      | 18.00            |

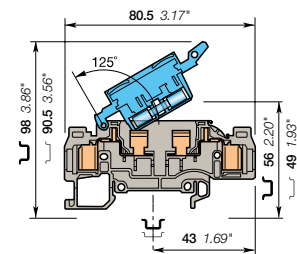


D2.5/8.SNNT.ADO2

### Main technical data

|  | IEC            | UL            | CSA | Mounting instructions |
|--|----------------|---------------|-----|-----------------------|
| <b>ADO</b>                                     |                |               |     | Rail                  |
| Rigid - Solid / Stranded                       | 1-2.5 mm²      | 16-14 AWG     |     | Wire stripping length |
| Flexible                                       | 1-2.5 mm²      |               |     | Tool                  |
| <b>Screw clamp</b>                             |                |               |     | Torque                |
| Rigid - Solid / Stranded                       |                |               |     |                       |
| Flexible with insulated ferrule                |                |               |     |                       |
| Gauge  |                |               |     |                       |
| <b>Rated current / Rated cross section</b>     | 10 A / 2.5 mm² | 10 A / 14 AWG |     |                       |
| <b>Rated short-time withstand current (1s)</b> | 300 A          |               |     |                       |
| <b>Rated voltage</b>                           | 630 V          | 600 V         |     |                       |
| <b>Impulse withstand voltage</b>               | 8000 V         |               |     |                       |
| <b>Protection</b>                              | IP20           | NEMA 1        |     |                       |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



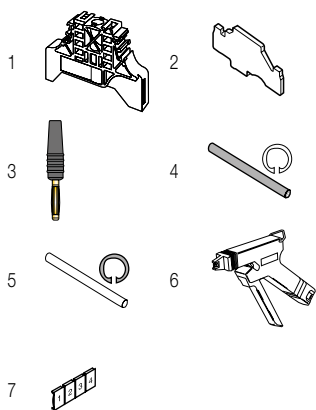
8 mm 0.315 in spacing

|      |    |        |
|------|----|--------|
| RoHS | UL | Gost R |
| RoHS | UL | Gost R |

### Accessories

| Description                     | Color | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------|-------|--------|-----------------|---------|------------------|
| <b>1 End stops</b>              | Grey  | BAM2   | 1SNA206351R1600 | 50      | 12.00            |
|                                 |       | BADL   | 1SNA399903R0200 | 50      | 4.70             |
| <b>2 End sections</b>           | Grey  | FEDAD7 | 1SNA199382R2700 | 20      | 3.80             |
| <b>3 Test plugs</b>             | Black | FC2.MC | 1SNA107239R0300 | 20      | 1.00             |
| <b>4 Assembly rods</b>          |       | TGA8   | 1SNA168672R1100 | 10      | 1.00             |
|                                 |       |        | 1SNA168673R1200 | 10      |                  |
|                                 |       |        | 1SNA168674R1300 | 10      |                  |
| <b>5 Spring retaining rings</b> |       | ANT    | 1SNA168675R1400 | 10      |                  |
| <b>6 Tools</b>                  |       | OUPAD  | 1SNA178944R0400 | 1       | 205.00           |
|                                 |       | OUMAD  | 1SNA179466R0600 | 1       | 29.00            |
| <b>7 Terminal block markers</b> | White | RC810  | 1SNA234000R0200 | 1       | 8.20             |

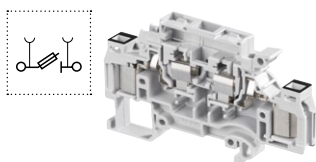
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



### Fuse IDC terminal blocks

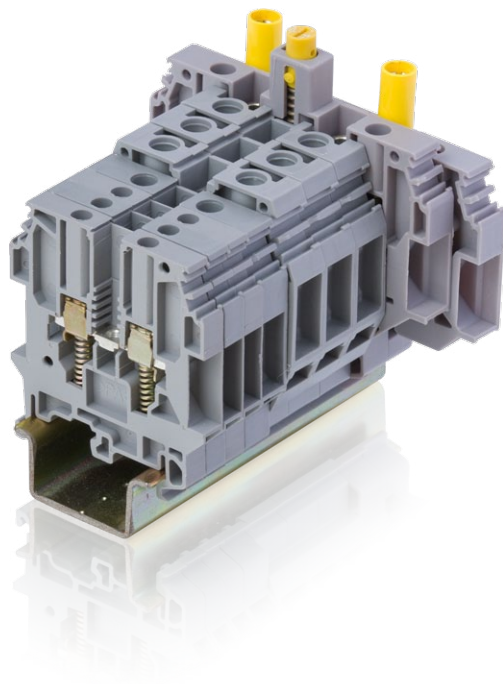
| Description                                      | Color | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------|-----------------|-----------------|---------|------------------|
| <b>Fuse</b> Profile aligned with D2.5/8.SNNT.ADO | Grey  | D2.5/8.SFT.ADO2 | 1SNA199184R1100 | 50      | 14.00            |

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.



# Notes

A series of horizontal dotted lines for taking notes, spanning the width of the page.



# Solution series, terminal blocks

## Spring loaded screw clamp technology



|                           |    |
|---------------------------|----|
| Technologies presentation | 62 |
| Overview                  | 64 |

### Feed-through

|                            |                  |    |
|----------------------------|------------------|----|
| 4 mm <sup>2</sup> / 12 AWG | <b>M4/6.RS</b>   | 65 |
| 6 mm <sup>2</sup> / 12 AWG | <b>M6/8.RS</b>   | 66 |
| 10 mm <sup>2</sup> / 6 AWG | <b>M10/10.RS</b> | 67 |

### Disconnect with blade

|                            |                  |    |
|----------------------------|------------------|----|
| 4 mm <sup>2</sup> / 10 AWG | <b>M4/6.SNTS</b> | 68 |
|----------------------------|------------------|----|

### Disconnect with push-turn knob

|                            |                    |           |    |
|----------------------------|--------------------|-----------|----|
| 6 mm <sup>2</sup> / 12 AWG | <b>M6/8.STP.RS</b> | With test | 69 |
|----------------------------|--------------------|-----------|----|

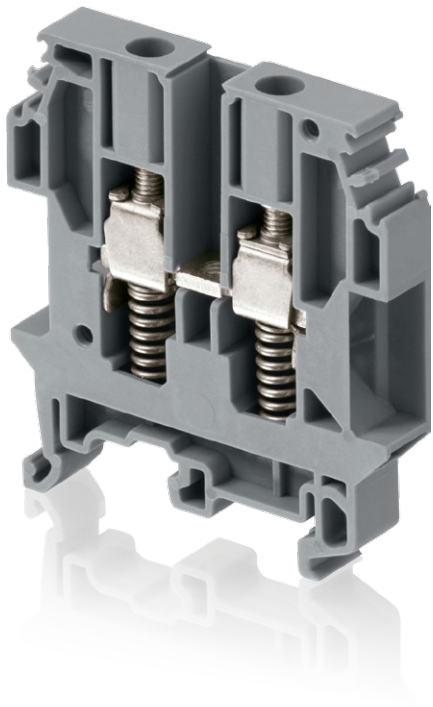
### Disconnect with screwdriver sliding link

|                            |                         |                             |    |
|----------------------------|-------------------------|-----------------------------|----|
| 6 mm <sup>2</sup> / 12 AWG | <b>D6/8.ST.RS</b>       |                             | 70 |
|                            | <b>D6/8.ST1.RS.IP20</b> | With insulated test sockets | 71 |

# Solution series, terminal blocks

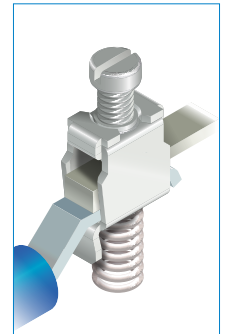
## Spring loaded screw clamp technology

3



### The safest screw connection!

ABB screw clamp spring loaded technology offers additional contact safety thanks to the combination of a spring under clamp preventing screw loosening and the use of special hook type ferrules providing pull-out proof termination.



Approved by numerous national electricity providers in EU, Africa and Asia since many years.  
Comply with IEC and BS TS5018 standards.



## The ultimate protection against unwanted opened circuits

### Safety first!

Connection of up to **two hook type ferrules** onto screw clamp & conducting bar provide "**pull-out proof**" cable terminations.

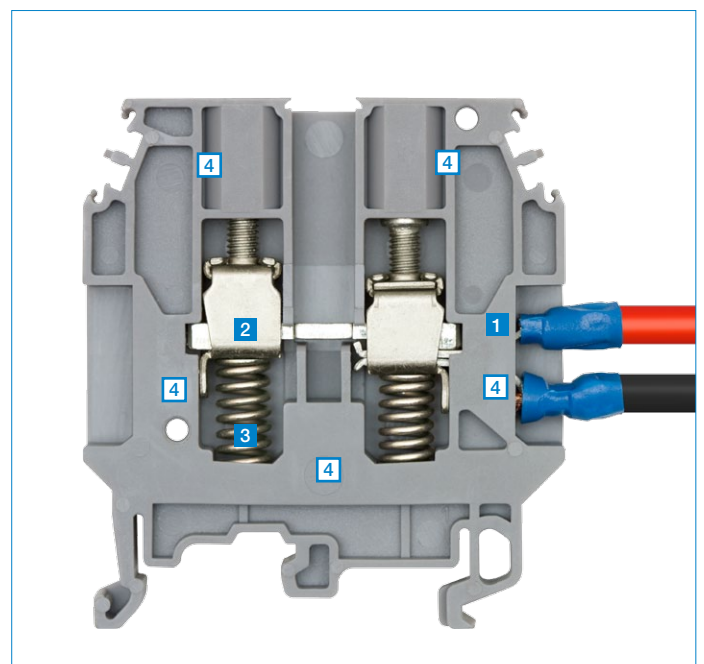
### Circuit continuity ensured

**Reinforcement spring** beneath the clamp maintains **permanent** contact pressure even if screw clamp is loose ensuring **long term security** of cable connections and electrical circuits.

### Robust designed

Springs firmly positioned in **deep recesses** and cannot be easily removed or ejected.

**Multiple plastic "ribs"** compensate spring pressure and **avoid bending effect on body** leading to a **robust** terminal block body construction.



- 1 Hook shaped lugs locked in clamp
- 2 Permanent contact pressure
- 3 Deep recesses spring position
- 4 Multiple reinforcements

1SNC161122S0201



# ABB spring loaded screw clamp technology

## The safety connection for demanding working conditions

### Exclusive design provide robustness and connection safety

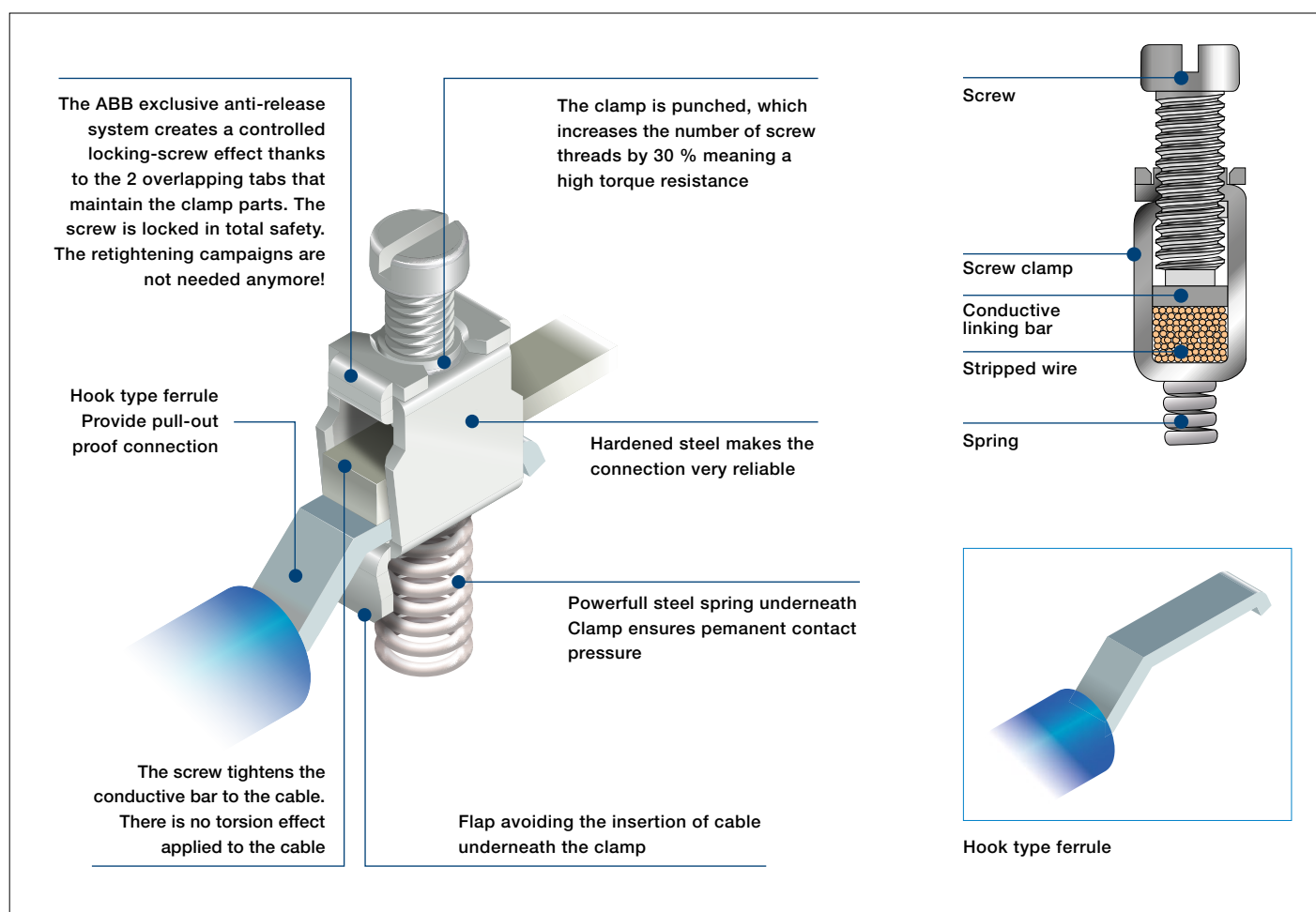
The ABB screw clamp spring loaded terminal is designed to guarantee electrical continuity even when screws are loosened unintentionally.

It features all the benefits of our screw clamp with additional vibration, shock resistant and maintenance free performances.

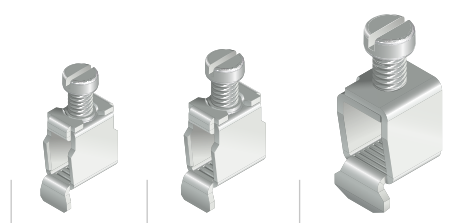
### High density wiring

The screw clamp spring loaded terminal can fit up to two conductors equipped with bent ferrules per clamp.

## Features



From 0.22 mm<sup>2</sup> up to 10 mm<sup>2</sup>  
From 24 AWG up to 6 AWG



# Solution series, terminal blocks

## Spring loaded screw clamp technology

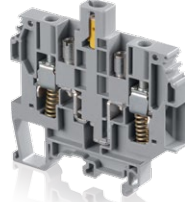
3



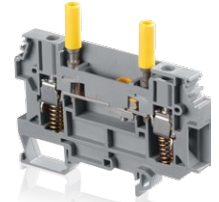
Feed-through







Disconnect with blade



Disconnect with push-turn knob



Disconnect with screwdriver sliding link

| Section            |        |  |  |  |  |
|--------------------|--------|---|---|---|---|
| IEC                | UL/CSA |   |   |   |   |
| 4 mm <sup>2</sup>  | 12 AWG | <b>M4/6.RS</b><br>6 mm <i>0.236 in</i>  | <b>M4/6.SNTS</b><br>6 mm <i>0.236 in</i>  |   |   |
| 6 mm <sup>2</sup>  | 12 AWG | <b>M6/8.RS</b><br>8 mm <i>0.315 in</i>  |   | <b>M6/8.STP.RS</b><br>8 mm <i>0.315 in</i>  | <b>D6/8.ST.RS</b><br>8 mm <i>0.315 in</i>   |
| 10 mm <sup>2</sup> | 6 AWG  | <b>M10/10.RS</b><br>10 mm <i>0.394 in</i>   |   |   |   |

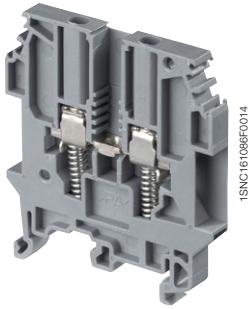
All the technical data for UL/CSA standard and dimensions in inches are in italic.

# M4/6.RS spring loaded screw clamp terminal blocks

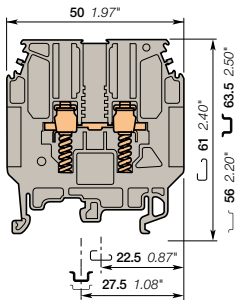
## Feed-through - 6 mm 0.236 in spacing



4 mm<sup>2</sup>



M4/6.RS



6 mm 0.236 in spacing

### Description

- Mainly dedicated to energy applications based on BS TS5018 standard ,
- Security: specific shape in linking bar to lock the hook type ferrule, spring clamp can maintain contact pressure even if screw clamp is loose.

### Ordering details

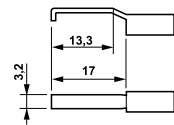
| Description  | Color                         | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|-------------------------------|-----------|-----------------|---------|------------------|
| Feed-through | Grey <input type="checkbox"/> | M4/6.RS   | 1SNA115930R1300 | 50      | 11.00            |
|              | Blue <input type="checkbox"/> | M4/6.N.RS | 1SNA125930R1500 | 50      | 11.00            |

### Main technical data

|   |                                 | IEC                      | BS<br>TS 5018             | CSA | Mounting instructions |  |
|---|---------------------------------|--------------------------|---------------------------|-----|-----------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>    |                           |     | Rail                  | G32, TH 35-7.5, TH 35-15                 |
|   | Flexible with insulated ferrule | 0.22-4 mm <sup>2</sup>   |                           |     | Wire stripping length | 13 mm<br>0.51 in                         |
| Lugs                                    | Flexible                        |                          | 0.28-1.65 mm <sup>2</sup> |     | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
|   | Gauge                           | A3                       |                           |     |                       |  |
| Rated current / Rated cross section     |                                 | 32 A / 4 mm <sup>2</sup> | 25 A                      |     | Torque                | 0.5 - 0.8 Nm<br>4.4 - 7.1 lb.in          |
| Rated short-time withstand current (1s) |                                 | 480 A                    |                           |     |                       |  |
| Rated voltage                           |                                 | 1000 V                   | 500 V                     |     |                       |  |
| Impulse withstand voltage               |                                 | 8000 V                   |                           |     |                       |  |
| Protection                              |                                 | IP20                     | NEMA 1                    |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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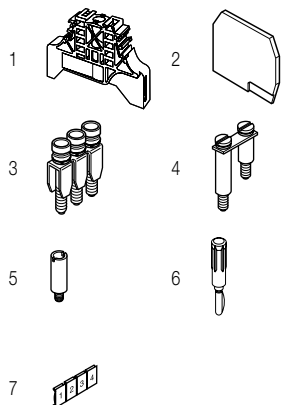


Each wire clamp holds up to 2 bent lugs as shown (not supplied)

### Accessories

| Description              |                                     |          | Color                          | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|-------------------------------------|----------|--------------------------------|---------|-----------------|---------|------------------|
| 1 End stops              | 10 mm                               | 0.394 in | Grey <input type="checkbox"/>  | BAM2    | 1SNA206351R1600 | 50      | 12.00            |
|                          | 9 mm                                | 0.354 in |                                | BADL    | 1SNA39903R0200  | 50      | 4.70             |
| 2 End sections           | 2.8 mm                              | 0.110 in | Grey <input type="checkbox"/>  | FEMR8   | 1SNA116987R0200 | 10      | 3.00             |
| 3 Jumper bars            | 2 poles                             | 32 A     |                                | BJM6-2  | 1SNA176663R0000 | 10      | 4.40             |
|                          | 3 poles                             |          |                                | BJM6-3  | 1SNA176664R0100 | 10      | 6.70             |
|                          | 4 poles                             |          |                                | BJM6-4  | 1SNA176665R0200 | 10      | 8.90             |
|                          | 5 poles                             |          |                                | BJM6-5  | 1SNA176666R0300 | 10      | 11.20            |
|                          | 10 poles                            |          |                                | BJM6-10 | 1SNA176667R0400 | 10      | 22.40            |
| 4 Cross spacing jumpers  | Universal screw jumper bar kit N°IV |          |                                | BJDP4   | 1SNA174781R2500 | 10      | 5.00             |
| 5 Test sockets           | DIA 2 mm 0.079 in                   |          |                                | AL2     | 1SNA163043R2100 | 50      | 0.90             |
| 6 Test plugs             | DIA 2 mm 0.079 in                   |          | Black <input type="checkbox"/> | FC2     | 1SNA007865R2600 | 100     |                  |
|                          |                                     |          | White <input type="checkbox"/> | RC610   | 1SNA233000R0100 | 1       | 7.50             |
| 7 Terminal block markers | Blank card                          |          |                                |         |                 |         |                  |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



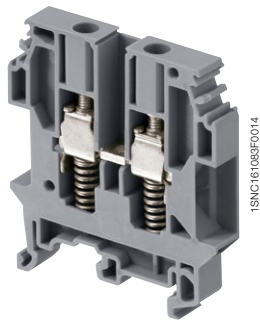
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# M6/8.RS spring loaded screw clamp terminal blocks

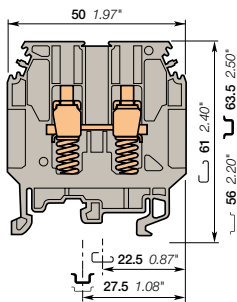
## Feed-through - 8 mm 0.315 in spacing



6 mm<sup>2</sup>  
12 AWG



M6/8.RS



8 mm 0.315 in spacing

### Description

- Mainly dedicated to energy applications based on BS TS5018 standard,
- Security: specific shape in linking bar to lock the hook type ferrule, spring clamp can maintain contact pressure even if screw clamp is loose.

### Ordering details

| Description  | Color                         | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|-------------------------------|---------|-----------------|---------|------------------|
| Feed-through | Grey <input type="checkbox"/> | M6/8.RS | 1SNA115685R1200 | 50      | 17.00            |

### Main technical data

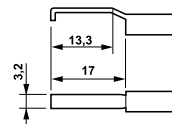
|   | IEC                             | BS TS 5018               | CSA           |
|---|---------------------------------|--------------------------|---------------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.5-10 mm <sup>2</sup>   | 20-12 AWG     |
|   | Flexible with insulated ferrule | 0.5-6 mm <sup>2</sup>    |               |
| Lugs                                    | Flexible                        | 0.28-2.5 mm <sup>2</sup> |               |
|   | Gauge                           | A5                       |               |
| Rated current / Rated cross section     | 41 A / 6 mm <sup>2</sup>        | 25 A                     | 25 A / 12 AWG |
| Rated short-time withstand current (1s) | 720 A                           |                          |               |
| Rated voltage                           | 800 V                           | 500 V                    | 600 V         |
| Impulse withstand voltage               | 8000 V                          |                          |               |
| Protection                              | IP20                            | NEMA 1                   |               |

### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | G32, TH 35-7.5, TH 35-15                             |
| Wire stripping length |  | 13 mm<br>0.51 in                                     |
| Tool                  |  | Flat screwdriver<br>Ø 4 - 5 mm<br>Ø 0.157 - 0.197 in |
| Torque                |  | 0.8 - 1 Nm<br>7.1 - 8.9 lb.in                        |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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|--|--|--|--|--|--|--|--|--|--|



Each wire clamp holds up to 2 bent lugs as shown (not supplied)

### Accessories

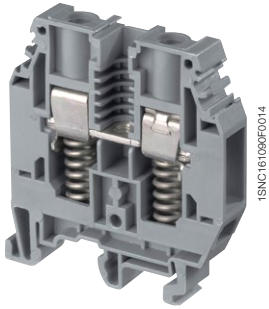
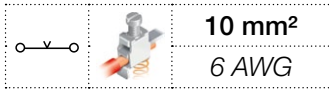
| Description              | Color                          | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|--------------------------------|-----------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>  | BAM2      | 1SNA206351R1600 | 50      | 12.00            |
|                          |                                | BADL      | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections           | Grey <input type="checkbox"/>  | FEMR8     | 1SNA116987R0200 | 10      | 3.00             |
| 3 Jumper bars            |                                | 2 poles   | 1SNA176669R1600 | 10      | 4.50             |
|                          |                                | 3 poles   | 1SNA176670R1300 | 10      | 6.00             |
|                          |                                | 4 poles   | 1SNA176671R0000 | 10      | 10.00            |
|                          |                                | 5 poles   | 1SNA176672R0100 | 10      | 12.22            |
|                          |                                | 10 poles  | 1SNA176673R0200 | 10      | 20.00            |
| 4 Test sockets           |                                | AL4-M3-R1 | 1SNA206722R0200 | 50      | 1.62             |
| 5 Test plugs             | White <input type="checkbox"/> | FC4       | 1SNA167860R0100 | 10      | 10.00            |
| 6 Short circuit plugs    |                                | BP8-A4    | 1SNA173888R2000 | 10      |                  |
| 7 Terminal block markers | White <input type="checkbox"/> | RC810     | 1SNA234000R0200 | 1       | 8.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

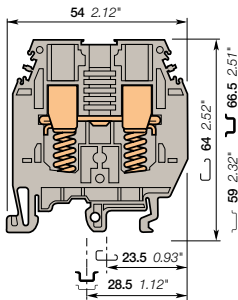
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# M10/10.RS spring loaded screw clamp terminal blocks

## Feed-through - 10 mm 0.394 in spacing



M10/10.RS



10 mm 0.394 in spacing

### Description

- Mainly dedicated to energy applications based on BS TS5018 standard,
- Security: specific shape in linking bar to lock the hook type ferrule, spring clamp can maintain contact pressure even if screw clamp is loose.

### Ordering details

| Description  | Color                         | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|-------------------------------|-----------|-----------------|---------|------------------|
| Feed-through | Grey <input type="checkbox"/> | M10/10.RS | 1SNA115320R2700 | 25      | 30.00            |

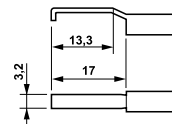
### Main technical data

|  | IEC  | BS TS 5018                                       | CSA                    |
|--|--|--|------------------------|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule | 0.5-16 mm <sup>2</sup><br>0.5-10 mm <sup>2</sup> | 20-6 AWG               |
| <b>Lugs</b>                                    | Flexible<br>Gauge  | A5   | 0.28-6 mm <sup>2</sup> |
| <b>Rated current / Rated cross section</b>     | 41 A / 10 mm <sup>2</sup>                                      | 40 A   | 65 A / 6 AWG           |
| <b>Rated short-time withstand current (1s)</b> | 1200 A   |  |                        |
| <b>Rated voltage</b>                           | 800 V  | 500 V  | 600 V                  |
| <b>Impulse withstand voltage</b>               | 8000 V   |  |                        |
| <b>Protection</b>                              | IP20   | NEMA 1   |                        |

### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | G32, TH 35-7.5, TH 35-15                               |
| Wire stripping length |  | 14 mm<br>0.55 in                                       |
| Tool                  |  | Flat screwdriver<br>Ø 5.5 - 6 mm<br>Ø 0.217 - 0.236 in |
| Torque                |  | 1.2 - 1.4 Nm<br>10.6 - 12.3 lb.in                      |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

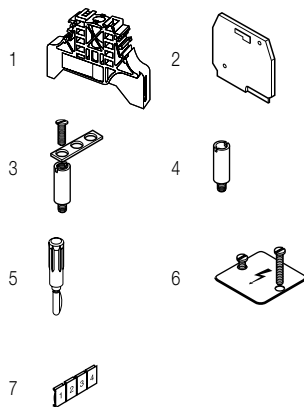


Each wire clamp holds up to 2 bent lugs as shown (not supplied)

### Accessories

| Description                     | Color                          | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------|--------------------------------|----------|-----------------|---------|------------------|
| <b>1 End stops</b>              | Grey <input type="checkbox"/>  | BAM2     | 1SNA206351R1600 | 50      | 12.00            |
|                                 |                                | BADL     | 1SNA399903R0200 | 50      | 4.70             |
| <b>2 End sections</b>           | Grey <input type="checkbox"/>  | FEMR10   | 1SNA114434R0500 | 10      | 3.30             |
| <b>3 Jumper bars</b>            |                                | BJS10    | 1SNA164585R1700 | 10      | 17.00            |
|                                 |                                |          | 1SNA164586R1000 | 10      | 17.00            |
|                                 |                                |          | 1SNA164587R1100 | 10      | 17.00            |
|                                 |                                |          | 1SNA168273R1100 | 10      | 17.00            |
|                                 |                                |          | 1SNA164588R2200 | 10      | 17.00            |
|                                 |                                | BJS10-20 | 1SNA177654R0000 | 10      | 17.00            |
| <b>4 Test sockets</b>           |                                | AL4-M4   | 1SNA206723R0300 | 50      | 1.30             |
| <b>5 Test plugs</b>             | White <input type="checkbox"/> | FC4      | 1SNA167860R0100 | 10      | 10.00            |
| <b>6 Protecting covers</b>      |                                | PT101    | 1SNA163181R1100 | 50      |                  |
| <b>7 Terminal block markers</b> | White <input type="checkbox"/> | RC1010   | 1SNA238000R1600 | 1       | 1.30             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# M4/6.SNTS spring loaded screw clamp terminal blocks

## Disconnect with blade - with test socket - 6 mm 0.236 in spacing



### Description

- Mainly dedicated to energy markets for security purposes on CT circuits,
- Security: specific shape in linking bar to lock the ferrule, spring clamp can maintain contact pressure even if screw clamp is loose.

### Ordering details

| Description                                   | Color                         | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|-----------|-----------------|---------|------------------|
| Disconnect With test socket DIA 2 mm 0.079 in | Grey <input type="checkbox"/> | M4/6.SNTS | 1SNA115229R2000 | 50      | 11.00            |

### Main technical data

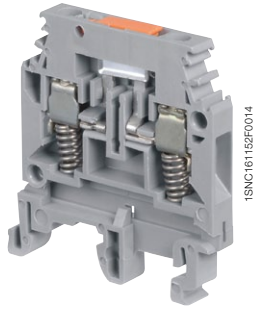
|  | IEC                      | UL            | CSA           |
|--|--------------------------|---------------|---------------|
| <b>1 conductor per clamp</b>                   |                          |               |               |
| Rigid - Solid / Stranded                       | 0.5-4 mm <sup>2</sup>    | 22-10 AWG     | 24-10 AWG     |
| Flexible with insulated ferrule                | 0.5-4 mm <sup>2</sup>    |               |               |
| Gauge  |                          |               |               |
| <b>Rated current / Rated cross section</b>     | 10 A / 4 mm <sup>2</sup> | 10 A / 10 AWG | 15 A / 10 AWG |
| <b>Rated short-time withstand current (1s)</b> | 480 A                    |               |               |
| <b>Rated voltage</b>                           | 500 V                    | 300 V         | 600 V         |
| <b>Impulse withstand voltage</b>               |                          |               |               |
| <b>Protection</b>                              | IP20                     | NEMA 1        |               |

### Mounting instructions

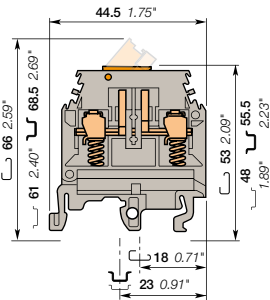
|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | G32, TH 35-7.5, TH 35-15                 |
| Wire stripping length |  | 9.5 mm<br>0.374 in                       |
| Tool                  |  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Torque                |  | 0.5 - 0.6 Nm<br>4.4 - 5.3 lb.in          |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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M4/6.SNTS



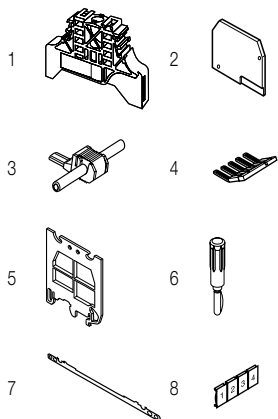
6 mm 0.236 in spacing

### Accessories

| Description                     | Color                          | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------|--------------------------------|---------|-----------------|---------|------------------|
| <b>1 End stops</b>              | Grey <input type="checkbox"/>  | BAM2    | 1SNA206351R1600 | 50      | 12.00            |
|                                 |                                | BADL    | 1SNA399903R0200 | 50      | 4.70             |
| <b>2 End sections</b>           | Grey <input type="checkbox"/>  | FEM6    | 1SNA118368R1600 | 20      | 2.40             |
| <b>3 Jumper bars</b>            | Grey <input type="checkbox"/>  | AD2.5   | 1SNA114205R2000 | 50      | 1.60             |
| <b>4 Lateral jumper bars</b>    |                                | PC61-10 | 1SNA163311R2200 | 10      | 5.00             |
| <b>5 Circuit separators</b>     | Grey <input type="checkbox"/>  | SCFM6   | 1SNA114825R0500 | 20      | 4.00             |
|                                 |                                | SCF6    | 1SNA118707R0300 | 20      |                  |
| <b>6 Test plugs</b>             | Black <input type="checkbox"/> | FC2     | 1SNA007865R2600 | 100     |                  |
| <b>7 Shield connectors</b>      |                                | CBM5    | 1SNA178745R1400 | 50      |                  |
| <b>8 Terminal block markers</b> | White <input type="checkbox"/> | RC610   | 1SNA233000R0100 | 1       | 7.50             |

Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

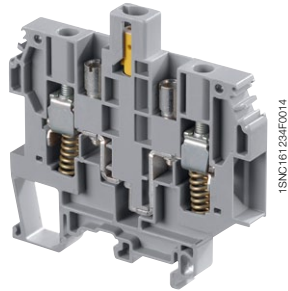
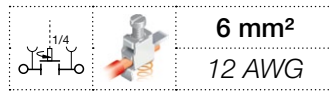


All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

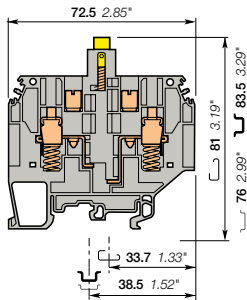
# M6/8.STP.RS spring loaded screw clamp terminal blocks

## Disconnect with push-turn knob - with test socket

### 8 mm 0.315 in spacing



M6/8.STP.RS



8 mm 0.315 in spacing

### Description

- Mainly dedicated to energy markets for security purposes on CT circuits,
- Security: specific shape in linking bar to lock the ferrule, spring clamp can maintain contact pressure even if screw clamp is loose.

### Ordering details

| Description   | Color        | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|---|--------------|-------------|-----------------|---------|------------------|
| Disconnect With 2 test sockets<br>DIA 4 mm 0.157 in | Grey, yellow | M6/8.STP.RS | 1SNA115678R0200 | 25      | 29.00            |

### Main technical data

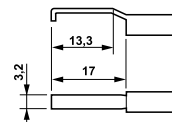
|  | IEC   | BS<br>TS 5018                                   | CSA                      |
|--|---|---|--------------------------|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible with insulated ferrule | 0.5-10 mm <sup>2</sup><br>0.5-6 mm <sup>2</sup> | 20-12 AWG                |
| <b>Lugs</b>                                    | Flexible Gauge  | A5  | 0.28-2.5 mm <sup>2</sup> |
| <b>Rated current / Rated cross section</b>     | 24 A / 6 mm <sup>2</sup>                                    | 25 A  | 25 A / 12 AWG            |
| <b>Rated short-time withstand current (1s)</b> | 720 A   |   |                          |
| <b>Rated voltage</b>                           | 500 V   | 500 V   | 600 V                    |
| <b>Impulse withstand voltage</b>               | 6000 V  |   |                          |
| <b>Protection</b>                              |   | NEMA  |                          |

### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | G32, TH 35-7.5,<br>TH 35-15                          |
| Wire stripping length |  | 13 mm<br>0.512 in                                    |
| Tool                  |  | Flat screwdriver<br>Ø 4 - 5 mm<br>Ø 0.157 - 0.197 in |
| Torque                |  | 0.8 - 1 Nm<br>7.1 - 8.9 lb.in                        |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |        |        |
|----|------|--------|--------|
|    |      |        |        |
| CE | RoHS | cCSAus | Gost R |

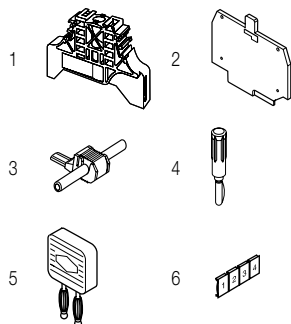


Each wire clamp holds up to 2 bent lugs as shown (not supplied)

### Accessories

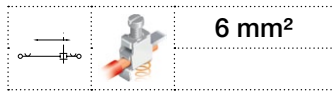
| Description                                | Color | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------|--------------|-----------------|---------|------------------|
| 1 <b>End stops</b>                         | Grey  | BAM2         | 1SNA206351R1600 | 50      | 12.00            |
|  |       | BADL         | 1SNA399903R0200 | 50      | 4.70             |
| 2 <b>End sections</b>                      | Grey  | FEMR8T       | 1SNA116991R0600 | 10      | 4.70             |
| 3 <b>Jumper bars</b>                       | Grey  | AD2.5        | 1SNA114205R2000 | 50      | 1.60             |
| 4 <b>Test plugs</b>                        | White | FC4          | 1SNA167860R0100 | 10      | 10.00            |
| 5 <b>Short circuit plugs</b>               | White | BP8.A4       | 1SNA173888R2000 | 10      | 10.00            |
|  |       | Red BNSTP2   | 1SNA196789R2400 | 20      | 10.00            |
|  |       | Beige BNSTP1 | 1SNA196792R1700 | 20      | 14.00            |
| 6 <b>Terminal block markers</b> Blank card | White | RC810        | 1SNA234000R0200 | 1       | 8.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

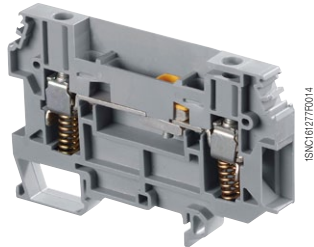


# D6/8.ST.RS spring loaded screw clamp terminal blocks

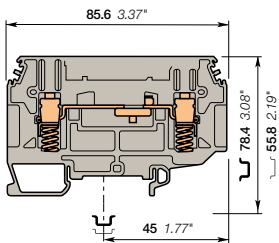
## Test disconnect with a screwdriver sliding link - 8 mm 0.315 in spacing



6 mm<sup>2</sup>



D6/8.ST.RS



8 mm 0.315 in spacing

### Description

- Mainly dedicated to energy markets for security purposes on CT circuits,
- Security: specific shape in linking bar to lock the ferrule, spring clamp can maintain contact pressure even if screw clamp is loose.

### Ordering details

| Description | Color                         | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|-------------------------------|------------|-----------------|---------|------------------|
| Disconnect  | Grey <input type="checkbox"/> | D6/8.ST.RS | 1SNA115914R0700 | 32      | 28.00            |

### Main technical data

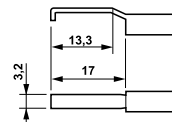
|   |                                 | IEC                      | BS TS 5018               | CSA |
|---|---------------------------------|--------------------------|--------------------------|-----|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.5-10 mm <sup>2</sup>   |                          |     |
|   | Flexible with insulated ferrule | 0.5-6 mm <sup>2</sup>    |                          |     |
| Lugs                                    | Flexible                        |                          | 0.28-2.5 mm <sup>2</sup> |     |
|   | Gauge                           | A5                       |                          |     |
| Rated current / Rated cross section     |                                 | 24 A / 6 mm <sup>2</sup> |                          |     |
| Rated short-time withstand current (1s) |                                 | 720 A                    |                          |     |
| Rated voltage                           |                                 | 400 V                    |                          |     |
| Impulse withstand voltage               |                                 | 6000 V                   |                          |     |
| Protection                              |                                 | NEMA                     |                          |     |

### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | G32, TH 35-7.5, TH 35-15                   |
| Wire stripping length |  | 16 mm 0.51 in                              |
| Tool                  |  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| Torque                |  | 0.8 - 1 Nm<br>7.1 - 8.9 lb.in              |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |        |
|----|------|--------|
|    |      |        |
| CE | RoHS | Gost R |



Each wire clamp holds up to 2 bent lugs as shown (not supplied)

### Accessories

| Description              | Color                           | Type                               | Order code      | Pkg pce         | Weight (1 pce) g |      |
|--------------------------|---------------------------------|------------------------------------|-----------------|-----------------|------------------|------|
| 1 End stops              | Grey <input type="checkbox"/>   | BAM2                               | 1SNA206351R1600 | 50              | 12.00            |      |
|                          |                                 | BADL                               | 1SNA399903R0200 | 50              | 4.70             |      |
| 2 End sections           | Grey <input type="checkbox"/>   | FEM8T6                             | 1SNA215266R0100 | 10              | 4.40             |      |
| 3 Jumper bars            |                                 | 2 poles                            | 1SNA164581R1300 | 10              | 3.10             |      |
|                          |                                 | 3 poles                            | 1SNA164582R1400 | 10              | 3.10             |      |
|                          |                                 | 4 poles                            | 1SNA164583R1500 | 10              | 3.10             |      |
|                          |                                 | 20 poles                           | BJS8-20         | 1SNA174789R0500 | 5                | 3.20 |
|                          |                                 | Sub assembly post + screw + washer | EV6I            | 1SNA206394R0200 | 20               | 2.00 |
| 4 Fastening kits         | Yellow <input type="checkbox"/> | AJS9                               | 1SNA179726R0200 | 25              | 3.60             |      |
|                          |                                 | AJS9-1                             | 1SNA206680R1500 | 25              | 3.60             |      |
|                          |                                 | AJS9-2                             | 1SNA206681R0200 | 25              | 3.60             |      |
|                          |                                 | AJS9-3                             | 1SNA206682R0300 | 25              | 3.60             |      |
|                          |                                 | AJS9-4                             | 1SNA206683R0400 | 25              | 3.60             |      |
|                          |                                 | AJS9-5                             | 1SNA206720R1400 | 25              | 3.60             |      |
| 5 Test sockets           | Black <input type="checkbox"/>  | AL4-M3                             | 1SNA206721R0100 | 50              | 1.10             |      |
|                          |                                 | FC4-1                              | 1SNA167927R1000 | 10              | 11.00            |      |
| 6 Test plugs             | Red <input type="checkbox"/>    | FC4-1                              | 1SNA167927R1000 | 10              | 11.00            |      |
| 7 Short circuit bridges  | Yellow <input type="checkbox"/> | SC-JB8-2                           | 1SNK900652R0000 | 25              | 2.00             |      |
|                          |                                 | SC-JB8-3                           | 1SNK900653R0000 | 25              | 3.40             |      |
|                          |                                 | SC-JB8-4                           | 1SNK900654R0000 | 25              | 4.70             |      |
|                          |                                 | Blank card                         | RC810           | 1SNA234000R0200 | 1                | 8.20 |
| 8 Terminal block markers | White <input type="checkbox"/>  | RC810                              | 1SNA234000R0200 | 1               | 8.20             |      |

Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

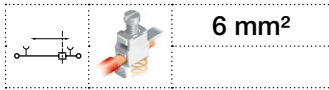
All the technical data for UL/CSA standard and dimensions in inches are in italic.

Technical data valid for copper conductors only.

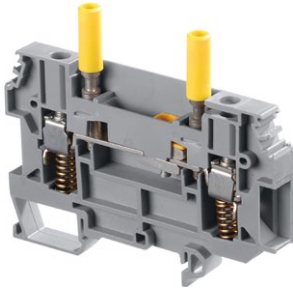


# D6/8.ST.RS spring loaded screw clamp terminal blocks

## Test disconnect with a screwdriver sliding link - 8 mm 0.315 in spacing

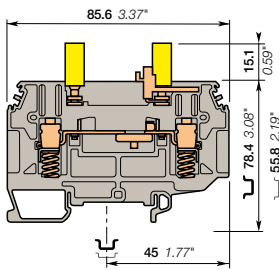


6 mm<sup>2</sup>



1SNC161233R014

D6/8.ST.RS



8 mm 0.315 in spacing

### Description

- Mainly dedicated to energy markets for security purposes on CT circuits,
- Security: specific shape in linking bar to lock the ferrule, spring clamp can maintain contact pressure even if screw clamp is loose.

### Ordering details

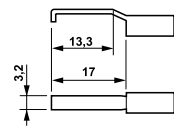
| Description  | Color                         | Type             | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|------------------|-----------------|---------|------------------|
| Disconnect With 2 yellow test sockets<br>DIA 4 mm 0.157 in | Grey <input type="checkbox"/> | D6/8.ST1.RS.IP20 | 1SNA115831R0400 | 32      | 38.00            |

### Main technical data

|  | IEC   | BS<br>TS 5018                                   | CSA  | Mounting instructions  |  |
|--|---|---|------|------------------------|--|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible with insulated ferrule | 0.5-10 mm <sup>2</sup><br>0.5-6 mm <sup>2</sup> |      | Rail                   | G32, TH 35-7.5, TH 35-15                   |
| <b>Lugs</b>                                    | Flexible<br>Gauge   | A5  |      | Wire stripping length  | 16 mm<br>0.51 in                           |
| <b>Rated current / Rated cross section</b>     |   | 24 A / 6 mm <sup>2</sup>                        |      | Screw clamp Tool       | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| <b>Rated short-time withstand current (1s)</b> |   | 720 A   |      | Torque                 | 0.8 - 1 Nm<br>7.1 - 8.9 lb.in              |
| <b>Rated voltage</b>                           |   | 400 V   |      | Disconnect device Tool | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| <b>Impulse withstand voltage</b>               |   | 6000 V  |      | Torque                 | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in           |
| <b>Protection</b>                              |   |   | NEMA | Test socket Tool       | Ø 3.5 mm<br>Ø 0.138 in                     |
|  |   |   |      | Torque                 | 0.6 N.m<br>5.34 lb.in                      |

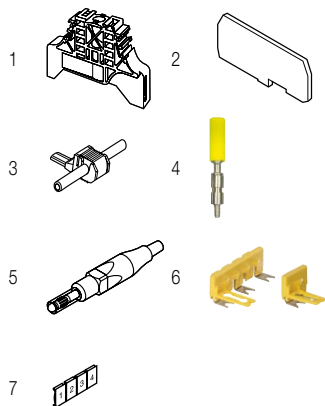
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |        |  |  |  |
|----|------|--------|--|--|--|
| CE | RoHS | Gost R |  |  |  |
|----|------|--------|--|--|--|



Each wire clamp holds up to 2 bent lugs as shown (not supplied)

### Accessories



| Description                     | Color                           | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------|---------------------------------|----------|-----------------|---------|------------------|
| <b>1 End stops</b>              | Grey <input type="checkbox"/>   | BAM2     | 1SNA206351R1600 | 50      | 12.00            |
|                                 |                                 | BADL     | 1SNA399903R0200 | 50      | 4.70             |
| <b>2 End sections</b>           | Grey <input type="checkbox"/>   | FEM8T6   | 1SNA215266R0100 | 10      | 4.40             |
| <b>3 Jumper bars</b>            | Grey <input type="checkbox"/>   | AD2.5    | 1SNA114205R2000 | 50      | 1.60             |
| <b>4 Test sockets</b>           | Black <input type="checkbox"/>  | AJS9-1   | 1SNA206680R1500 | 25      | 3.60             |
|                                 | Green <input type="checkbox"/>  | AJS9-2   | 1SNA206681R0200 | 25      | 3.60             |
|                                 | Grey <input type="checkbox"/>   | AJS9-3   | 1SNA206682R0300 | 25      | 3.60             |
|                                 | Blue <input type="checkbox"/>   | AJS9-4   | 1SNA206683R0400 | 25      | 3.60             |
|                                 | Red <input type="checkbox"/>    | AJS9-5   | 1SNA206720R1400 | 25      | 3.60             |
| <b>5 Test plugs</b>             | Red <input type="checkbox"/>    | FC4-1    | 1SNA167927R1000 | 10      | 11.00            |
| <b>6 Short circuit bridges</b>  | Yellow <input type="checkbox"/> | SC-JB8-2 | 1SNK900652R0000 | 25      | 2.00             |
|                                 |                                 | SC-JB8-3 | 1SNK900653R0000 | 25      | 3.40             |
|                                 |                                 | SC-JB8-4 | 1SNK900654R0000 | 25      | 4.70             |
| <b>7 Terminal block markers</b> | White <input type="checkbox"/>  | RC810    | 1SNA234000R0200 | 1       | 8.20             |

Complete list of accessories is indicated in the terminal block datasheet.

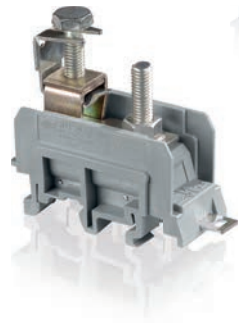
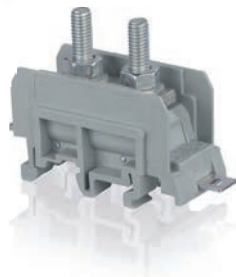
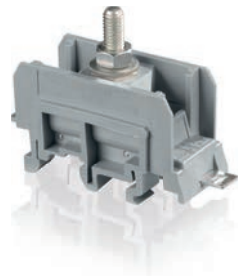
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic.  
Technical data valid for copper conductors only.



# Solution series, terminal blocks

## Stud technology



|                           |    |
|---------------------------|----|
| Technologies presentation | 74 |
| Overview                  | 75 |

### One stud

#### Feed-through

|  |           |    |
|--|-----------|----|
| 25 mm <sup>2</sup> / 2 AWG             | M35/26.F  | 76 |
| 50 mm <sup>2</sup> / 00 AWG            | M70/31.F  | 77 |
| 70 mm <sup>2</sup> / 000 AWG-250 Kcmil | M120/35.F | 78 |
| 120 mm <sup>2</sup> / 500 Kcmil        | M300/42.F | 79 |

### Two studs

#### Feed-through

|  |            |    |
|--|------------|----|
| 25 mm <sup>2</sup> / 2 AWG             | M35/26.FF  | 80 |
| 50 mm <sup>2</sup> / 00 AWG            | M70/31.FF  | 81 |
| 70 mm <sup>2</sup> / 000 AWG-250 Kcmil | M120/35.FF | 82 |
| 120 mm <sup>2</sup> / 500 Kcmil        | M300/42.FF | 83 |

### One stud - One wire-clamp

#### Feed-through

|  |            |    |
|--|------------|----|
| 25 mm <sup>2</sup> / 2 AWG             | M35/26.AF  | 84 |
| 50 mm <sup>2</sup> / 0 AWG             | M70/31.AF  | 85 |
| 70 mm <sup>2</sup> / 000 AWG-250 Kcmil | M120/35.AF | 86 |
| 120 mm <sup>2</sup> / 500 Kcmil        | M300/42.AF | 87 |

|                       |    |
|-----------------------|----|
| Mounting instructions | 88 |
|-----------------------|----|

# ABB Stud technology

## The connection for power and energy circuits

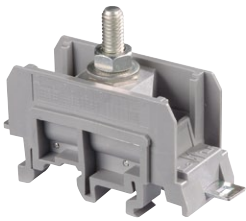
### Reliability first

Stud technology is designed to ensure a reliable connection thanks to the combination of:

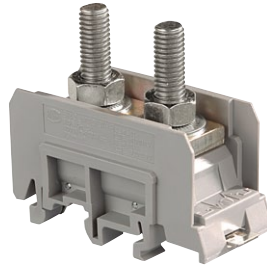
- Vibration resistant equipments (nuts, washers),
- Lugs crimped on the cable provide pull-out proof termination.

This technology is very popular on the American market and particularly in the energy applications.

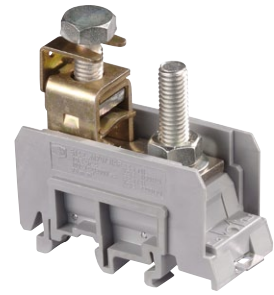
### Available configurations



One stud

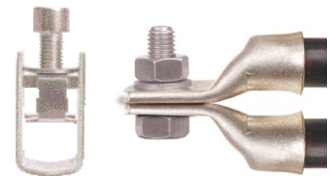
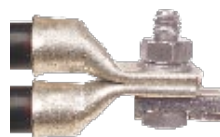


Two studs



One wire clamp / one stud

### Connection technics



### Up to 300 mm<sup>2</sup> / 1000 Kcmil



**M4-M5**  
6 mm<sup>2</sup>  
8 AWG



**M6**  
35 mm<sup>2</sup>  
1 AWG



**M8**  
70 mm<sup>2</sup>  
000 AWG



**M10**  
120 mm<sup>2</sup>  
300 Kcmil



**M12**  
185 mm<sup>2</sup>  
500 Kcmil

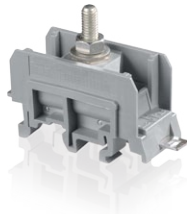


**M16**  
300 mm<sup>2</sup>  
1000 Kcmil

# Solution series, terminal blocks

## Stud technology

### One stud



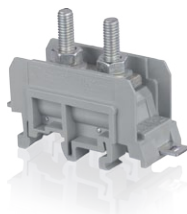
Feed-through

#### Section



| IEC                 | UL/CSA            |           |                |
|---------------------|-------------------|-----------|----------------|
| 25 mm <sup>2</sup>  | 2 AWG             | M35/26.F  | 26 mm 1.024 in |
| 50 mm <sup>2</sup>  | 00 AWG            | M70/31.F  | 31 mm 1.220 in |
| 70 mm <sup>2</sup>  | 000 AWG-250 Kcmil | M120/35.F | 35 mm 1.380 in |
| 120 mm <sup>2</sup> | 500 Kcmil         | M300/42.F | 42 mm 1.653 in |

### Two studs



Feed-through

#### Section



| IEC                 | UL/CSA            |            |                |
|---------------------|-------------------|------------|----------------|
| 25 mm <sup>2</sup>  | 2 AWG             | M35/26.FF  | 26 mm 1.024 in |
| 50 mm <sup>2</sup>  | 00 AWG            | M70/31.FF  | 31 mm 1.220 in |
| 70 mm <sup>2</sup>  | 000 AWG-250 Kcmil | M120/35.FF | 35 mm 1.380 in |
| 120 mm <sup>2</sup> | 500 Kcmil         | M300/42.FF | 42 mm 1.653 in |

### One stud - One wire-clamp



Feed-through

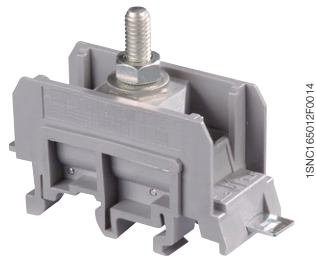
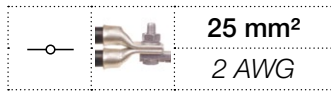
#### Section



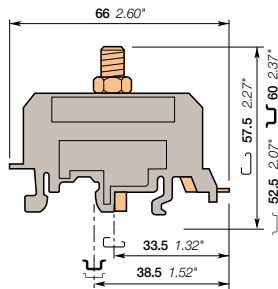
| IEC                 | UL/CSA            |            |                |
|---------------------|-------------------|------------|----------------|
| 25 mm <sup>2</sup>  | 2 AWG             | M35/26.AF  | 26 mm 1.024 in |
| 50 mm <sup>2</sup>  | 0 AWG             | M70/31.AF  | 31 mm 1.220 in |
| 70 mm <sup>2</sup>  | 000 AWG-250 Kcmil | M120/35.AF | 35 mm 1.380 in |
| 120 mm <sup>2</sup> | 500 Kcmil         | M300/42.AF | 42 mm 1.653 in |

# M35/26.F stud terminal blocks

## Feed-through - 26 mm 1.024 in spacing



M35/26.F



26 mm 1.024 in spacing

### Description

- Compact one stud terminal block,
- Lug mounting in accordance with NF C 20-130 and DIN 46234,
- Various marking options,
- Rail or base mounting.

### Ordering details

| Description            | Color                         | Type     | Order code      | Pkg    | Weight            |
|------------------------|-------------------------------|----------|-----------------|--------|-------------------|
| Feed-through 1 stud M6 | Grey <input type="checkbox"/> | M35/26.F | 1SNA115141R1000 | 10 pce | 40.00 (1 pce) 9 g |

### Main technical data

| Lugs | Rigid - Solid / Stranded<br>Flexible<br>Gauge | NFC                  | DIN                    | UL       | CSA       |
|------|---|----------------------|------------------------|----------|-----------|
|      |   | 4-35 mm <sup>2</sup> | 2.5-50 mm <sup>2</sup> | 10-2 AWG | max 4 AWG |
|      |   | C3                   |                        |          |           |

| Screw clamp | Rigid - Solid / Stranded<br>Flexible<br>Gauge | IEC | DIN | UL | CSA |
|-------------|---|-----|-----|----|-----|
|             |   |     |     |    |     |

| Bar                       | Rigid - Solid / Stranded<br>Flexible<br>Gauge | IEC                 | DIN                | UL                 | CSA   |       |
|---------------------------|---|---------------------|--------------------|--------------------|-------|-------|
|                           |   | Rated current       | 101 A              | 125 A              | 115 A | 125 A |
|                           |   | Rated cross section | 25 mm <sup>2</sup> | 35 mm <sup>2</sup> | 2 AWG | 4 AWG |
|                           |   | Rated voltage       | 1000 V             |                    | 600 V | 600 V |
| Impulse withstand voltage |   | 8000 V              |                    |                    |       |       |

### Mounting instructions

|                       |  |                          |
|-----------------------|--|--------------------------|
| Rail                  |  | G32, TH 35-7.5, TH 35-15 |
| Lugs                  |  | Wrench H10 mm            |
| Tool                  |  |                          |
| Torque                |  | 4,5 N.m<br>39 lb.in      |
| Jumper screw          |  |                          |
| Tool                  |  |                          |
| Torque                |  |                          |
| Screw clamp           |  |                          |
| Tool                  |  |                          |
| Torque                |  |                          |
| Wire stripping length |  |                          |

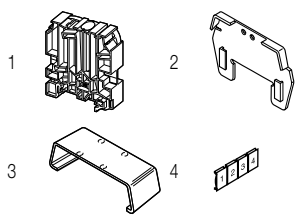
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

### Accessories

| Description              | Color   | Type                 | Order code      | Pkg             | Weight            |       |
|--------------------------|---|----------------------|-----------------|-----------------|-------------------|-------|
| 1 End stops              | Grey <input type="checkbox"/>                   | BAMH                 | 1SNA114836R0000 | 50 pce          | 13.00 (1 pce) 9 g |       |
|                          |   | BADH                 | 1SNA116900R2700 | 50              | 20.00             |       |
| 2 Circuit separators     | Grey <input type="checkbox"/>                   | ECP26                | 1SNA113689R2400 | 10              | 6.40              |       |
| 3 Protecting covers      | Transparent <input checked="" type="checkbox"/> | marked cut: 1 block  | CPP261          | 1SNA168202R1300 | 5                 | 5.00  |
|                          |   | marked cut: 2 blocks | CPP262          | 1SNA168201R1200 | 5                 | 10.00 |
|                          |   | marked cut: 3 blocks | CPP263          | 1SNA163403R2000 | 5                 | 17.00 |
| 4 Terminal block markers | Grey <input type="checkbox"/>                   | PEP                  | 1SNA113762R2400 | 50              | 0.46              |       |
|                          | White <input type="checkbox"/>                  | RC610                | 1SNA233000R0100 | 1               | 7.50              |       |

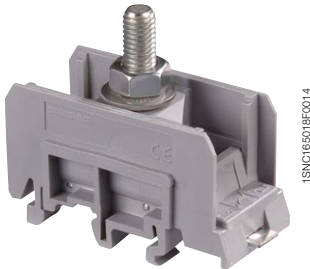
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



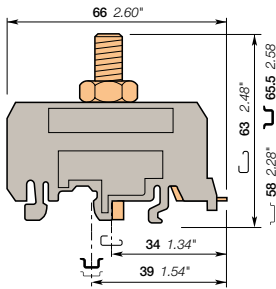
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# M70/31.F stud terminal blocks

## Feed-through - 31 mm 1.220 in spacing



M70/31.F



31 mm 1.220 in spacing

### Description

- Compact one stud terminal block,
- Lug mounting in accordance with NF C 20-130 and DIN 46234,
- Various marking options,
- Rail or base mounting.

### Ordering details

| Description            | Color                         | Type     | Order code      | Pkg    | Weight      |
|------------------------|-------------------------------|----------|-----------------|--------|-------------|
| Feed-through 1 stud M8 | Grey <input type="checkbox"/> | M70/31.F | 1SNA115144R1300 | 10 pce | (1 pce) 9 g |

### Main technical data

| Lugs | Rigid - Solid / Stranded<br>Flexible<br>Gauge | NFC  | DIN  | UL       | CSA       |
|------|---|--|--|----------|-----------|
|      |   | 6-70 mm <sup>2</sup><br>6-50 mm <sup>2</sup><br>C5 | 2.5-70 mm <sup>2</sup><br>2.5-50 mm <sup>2</sup> | 4-00 AWG | max 0 AWG |

| Screw clamp | Rigid - Solid / Stranded<br>Flexible<br>Gauge | IEC | DIN | UL | CSA |
|-------------|---|-----|-----|----|-----|
|             |   |     |     |    |     |

| Bar                       | Rated current      | IEC                | DIN    | UL    | CSA   |
|---------------------------|--------------------|--------------------|--------|-------|-------|
|                           |                    | 150 A              | 150 A  | 175 A | 200 A |
| Rated cross section       | 50 mm <sup>2</sup> | 50 mm <sup>2</sup> | 00 AWG | 0 AWG |       |
| Rated voltage             | 1000 V             |                    | 600 V  | 600 V |       |
| Impulse withstand voltage | 8000 V             |                    |        |       |       |

### Mounting instructions

|                       |  |                             |
|-----------------------|--|-----------------------------|
| Rail                  |  | G32, TH 35-7.5,<br>TH 35-15 |
| Lugs                  |  | Wrench<br>H13 mm            |
| Tool                  |  |                             |
| Torque                |  | 6 N.m<br>52 lb.in           |
| Jumper screw          |  |                             |
| Tool                  |  |                             |
| Torque                |  |                             |
| Screw clamp           |  |                             |
| Tool                  |  |                             |
| Torque                |  |                             |
| Wire stripping length |  |                             |

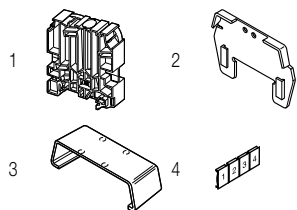
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |     |     |        |
|------|-----|-----|--------|
|      |     |     |        |
| RoHS | USR | CSA | Gost R |

### Accessories

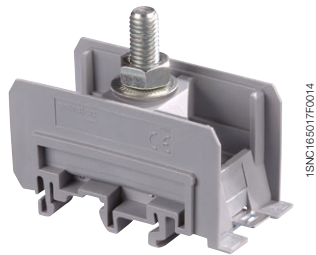
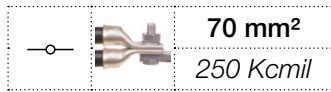
| Description              | Color   | Type   | Order code      | Pkg    | Weight          |
|--------------------------|---|--------|-----------------|--------|-----------------|
| 1 End stops              | Grey <input type="checkbox"/>                   | BAMH   | 1SNA114836R0000 | 50 pce | (1 pce) 13.00 g |
|                          |   | BADH   | 1SNA116900R2700 | 50     | 20.00           |
| 2 Circuit separators     | Grey <input type="checkbox"/>                   | ECP31  | 1SNA113690R2100 | 10     | 6.70            |
| 3 Protecting covers      | Transparent <input checked="" type="checkbox"/> | CPP311 | 1SNA168204R1500 | 5      | 7.00            |
|                          |   | CPP312 | 1SNA168203R1400 | 5      | 14.00           |
|                          |   | CPP313 | 1SNA163409R0600 | 5      | 23.00           |
| 4 Terminal block markers | Grey <input type="checkbox"/>                   | PEP    | 1SNA113762R2400 | 50     | 0.46            |
|                          | White <input type="checkbox"/>                  | RC610  | 1SNA233000R0100 | 1      | 7.50            |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

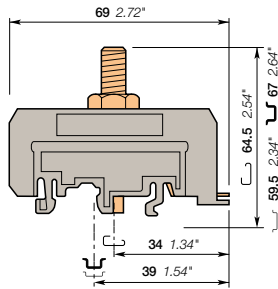


# M120/35.F stud terminal blocks

## Feed-through - 35 mm 1.380 in spacing



M120/35.F



35 mm 1.380 in spacing

### Description

- Compact one stud terminal block,
- Lug mounting in accordance with NF C 20-130 and DIN 46234,
- Various marking options,
- Rail or base mounting.

### Ordering details

| Description            | Color                         | Type      | Order code      | Pkg    | Weight          |
|------------------------|-------------------------------|-----------|-----------------|--------|-----------------|
| Feed-through 1 stud M8 | Grey <input type="checkbox"/> | M120/35.F | 1SNA115147R1600 | 10 pce | 61.00 (1 pce) 9 |

### Main technical data

| Lugs | Rigid - Solid / Stranded<br>Flexible<br>Gauge | NFC                  | DIN                    | UL          | CSA         |
|------|---|----------------------|------------------------|-------------|-------------|
|      |   | 6-95 mm <sup>2</sup> | 2.5-70 mm <sup>2</sup> | 2-250 Kcmil | max 000 AWG |
|      |   | 6-70 mm <sup>2</sup> | 2.5-70 mm <sup>2</sup> |             |             |
|      |   | C6                   |                        |             |             |

| Screw clamp | Rigid - Solid / Stranded<br>Flexible<br>Gauge | IEC | DIN | UL | CSA |
|-------------|---|-----|-----|----|-----|
|             |   |     |     |    |     |

| Bar                       | Rated current | IEC                | DIN                | UL        | CSA     |
|---------------------------|---------------|--------------------|--------------------|-----------|---------|
|                           |               | 192 A              | 150 A              | 255 A     | 270 A   |
| Rated cross section       |               | 70 mm <sup>2</sup> | 50 mm <sup>2</sup> | 250 Kcmil | 000 AWG |
| Rated voltage             |               | 1000 V             |                    | 600 V     | 600 V   |
| Impulse withstand voltage |               | 8000 V             |                    |           |         |

### Mounting instructions

|                       |  |                          |
|-----------------------|--|--------------------------|
| Rail                  |  | G32, TH 35-7.5, TH 35-15 |
| Lugs                  |  | Wrench H13 mm            |
| Tool                  |  |                          |
| Torque                |  | 6 N.m<br>52 lb.in        |
| Jumper screw          |  |                          |
| Tool                  |  |                          |
| Torque                |  |                          |
| Screw clamp           |  |                          |
| Tool                  |  |                          |
| Torque                |  |                          |
| Wire stripping length |  |                          |

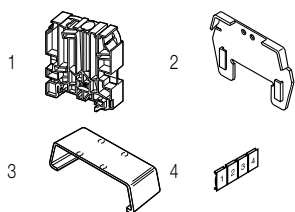
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |      |    |    |     |     |        |        |
|------|------|----|----|-----|-----|--------|--------|
| RoHS | RoHS | UL | UL | CSA | CSA | Gost R | Gost R |
|------|------|----|----|-----|-----|--------|--------|

### Accessories

| Description              | Color   | Type                 | Order code      | Pkg             | Weight          |       |
|--------------------------|---|----------------------|-----------------|-----------------|-----------------|-------|
| 1 End stops              | Grey <input type="checkbox"/>                   | BAMH                 | 1SNA114836R0000 | 50 pce          | 13.00 (1 pce) 9 |       |
|                          |   | BADH                 | 1SNA116900R2700 | 50              | 20.00           |       |
| 2 Circuit separators     | Grey <input type="checkbox"/>                   | ECP35                | 1SNA113691R1600 | 10              | 10.00           |       |
| 3 Protecting covers      | Transparent <input checked="" type="checkbox"/> | marked cut: 1 block  | CPP351          | 1SNA168206R1700 | 5               | 8.00  |
|                          |   | marked cut: 2 blocks | CPP352          | 1SNA168205R1600 | 5               | 20.00 |
|                          |   | marked cut: 3 blocks | CPP353          | 1SNA163418R2600 | 5               | 20.00 |
| 4 Terminal block markers | Grey <input type="checkbox"/>                   | PEP                  | 1SNA113762R2400 | 50              | 0.46            |       |
|                          | White <input type="checkbox"/>                  | RC610                | 1SNA233000R0100 | 1               | 7.50            |       |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

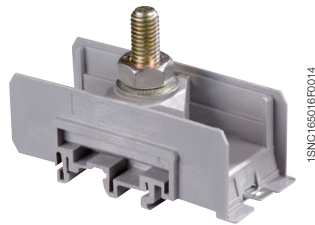
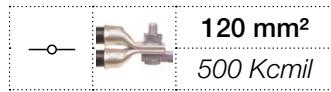


All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

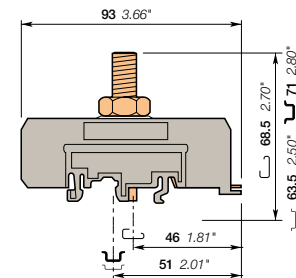


# M300/42.F stud terminal blocks

## Feed-through - 42 mm 1.653 in spacing



M300/42.F



42 mm 1.653 in spacing

### Description

- Compact one stud terminal block,
- Lug mounting in accordance with NF C 20-130 and DIN 46234,
- Various marking options,
- Rail or base mounting.

### Ordering details

| Description             | Color                         | Type      | Order code      | Pkg    | Weight      |
|-------------------------|-------------------------------|-----------|-----------------|--------|-------------|
| Feed-through 1 stud M10 | Grey <input type="checkbox"/> | M300/42.F | 1SNA115150R2500 | 10 pce | (1 pce) 9 g |

### Main technical data

| Lugs | Rigid - Solid / Stranded<br>Flexible<br>Gauge | NFC                    | DIN                   | UL          | CSA           |
|------|---|------------------------|-----------------------|-------------|---------------|
|      |   | 50-150 mm <sup>2</sup> | 6-150 mm <sup>2</sup> | 0-500 Kcmil | max 500 Kcmil |
|      |   | C8                     |                       |             |               |

| Screw clamp | Rigid - Solid / Stranded<br>Flexible<br>Gauge | IEC | DIN | UL | CSA |
|-------------|---|-----|-----|----|-----|
|             |   |     |     |    |     |

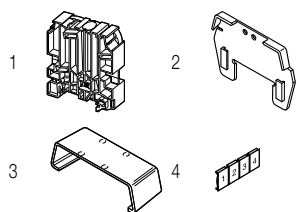
| Bar                       | Rated current | IEC                 | DIN                 | UL        | CSA       |
|---------------------------|---------------|---------------------|---------------------|-----------|-----------|
|                           |               | 269 A               | 269 A               | 230 A     | 550 A     |
| Rated cross section       |               | 120 mm <sup>2</sup> | 120 mm <sup>2</sup> | 500 Kcmil | 500 Kcmil |
| Rated voltage             |               | 1000 V              |                     | 600 V     | 600 V     |
| Impulse withstand voltage |               | 8000 V              |                     |           |           |

### Mounting instructions

|                       |  |                          |
|-----------------------|--|--------------------------|
| Rail                  |  | G32, TH 35-7.5, TH 35-15 |
| Lugs                  |  | Wrench H16 mm            |
| Tool                  |  |                          |
| Torque                |  | 10 N.m<br>87 lb.in       |
| Jumper screw          |  |                          |
| Tool                  |  |                          |
| Torque                |  |                          |
| Screw clamp           |  |                          |
| Tool                  |  |                          |
| Torque                |  |                          |
| Wire stripping length |  |                          |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |    |     |        |
|------|----|-----|--------|
|      |    |     |        |
| RoHS | UL | CSA | Gost R |



### Accessories

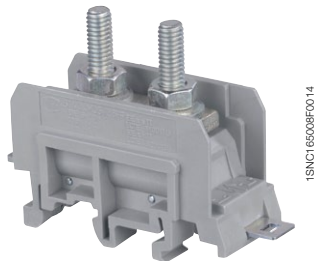
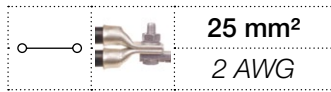
| Description              | Color   | Type   | Order code      | Pkg    | Weight        |
|--------------------------|---|--------|-----------------|--------|---------------|
| 1 End stops              | Grey <input type="checkbox"/>                   | BAMH   | 1SNA114836R0000 | 50 pce | (1 pce) 13.00 |
|                          |   | BADH   | 1SNA116900R2700 | 50     | 20.00         |
| 2 Circuit separators     | Grey <input type="checkbox"/>                   | ECP42  | 1SNA113692R1700 | 10     | 20.00         |
| 3 Protecting covers      | Transparent <input checked="" type="checkbox"/> | CPP421 | 1SNA168208R2100 | 5      | 13.00         |
|                          |   | CPP422 | 1SNA168207R1000 | 5      | 30.00         |
|                          |   | CPP423 | 1SNA163424R1400 | 5      | 40.00         |
| 4 Terminal block markers | Grey <input type="checkbox"/>                   | PEP    | 1SNA113762R2400 | 50     | 0.46          |
|                          | White <input type="checkbox"/>                  | RC610  | 1SNA233000R0100 | 1      | 7.50          |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

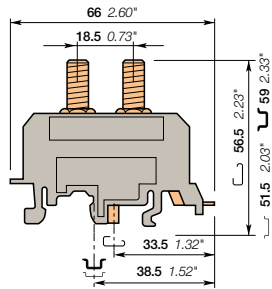
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# M35/26.FF stud terminal blocks

## Feed-through - 26 mm 1.024 in spacing



M35/26.FF



26 mm 1.024 in spacing

### Description

- Compact two stud terminal block,
- Lug mounting in accordance with NF C 20-130 and DIN 46234,
- Various marking options,
- Rail or base mounting.

### Ordering details

| Description  | Color                         | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|-----------|-----------------|---------|------------------|
| <b>Feed-through</b> 2 studs M6 linked by 1 removable bar 16 x 4 mm | Grey <input type="checkbox"/> | M35/26.FF | 1SNA115140R2300 | 10      | 64.00            |

### Main technical data

|                                  |   | NFC                | DIN   | UL   | CSA  |
|----------------------------------|---|--------------------|---|--|--|
|                                  |   | <b>Lugs</b>        | Rigid - Solid / Stranded<br>Flexible<br>Gauge | 4-35 mm <sup>2</sup><br>4-25 mm <sup>2</sup><br>C3 | 2.5-50 mm <sup>2</sup><br>2.5-25 mm <sup>2</sup> |
| <b>Screw clamp</b>               | Rigid - Solid / Stranded<br>Flexible<br>Gauge |                    |   |  |  |
| <b>Bar</b>                       |   | 16 x 4 mm          | 0.63 x 0.16 in                                |  |  |
| <b>Rated current</b>             |   | 101 A              | 125 A   | 115 A  | 125 A  |
| <b>Rated cross section</b>       |   | 25 mm <sup>2</sup> | 35 mm <sup>2</sup>                            | 2 AWG  | 4 AWG  |
| <b>Rated voltage</b>             |   | 1000 V             |   | 600 V  | 600 V  |
| <b>Impulse withstand voltage</b> |   | 8000 V             |   |  |  |

### Mounting instructions

|                       |  |                          |
|-----------------------|--|--------------------------|
| Rail                  |  | G32, TH 35-7.5, TH 35-15 |
| Lugs                  |  | Wrench<br>H10 mm         |
| Tool                  |  |                          |
| Torque                |  | 4,5 N.m<br>39 lb.in      |
| Jumper screw          |  |                          |
| Tool                  |  |                          |
| Torque                |  |                          |
| Screw clamp           |  |                          |
| Tool                  |  |                          |
| Torque                |  |                          |
| Wire stripping length |  |                          |

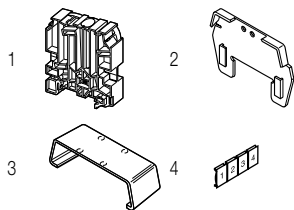
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|                               |      |                             |    |                              |     |                                 |        |
|-------------------------------|------|-----------------------------|----|------------------------------|-----|---------------------------------|--------|
| RoHS <input type="checkbox"/> | RoHS | UL <input type="checkbox"/> | UL | CSA <input type="checkbox"/> | CSA | Gost R <input type="checkbox"/> | Gost R |
|-------------------------------|------|-----------------------------|----|------------------------------|-----|---------------------------------|--------|

### Accessories

| Description                     | Color   | Type                       | Order code  | Pkg pce     | Weight (1 pce) g       |
|---------------------------------|---|----------------------------|---|-------------|------------------------|
| <b>1 End stops</b>              | Grey <input type="checkbox"/>                                   | BAMH<br>BADH               | 1SNA114836R0000<br>1SNA116900R2700                  | 50<br>50    | 13.00<br>20.00         |
| <b>2 Circuit separators</b>     | Grey <input type="checkbox"/>                                   | ECP26                      | 1SNA113689R2400                                     | 10          | 6.40                   |
| <b>3 Protecting covers</b>      | Transparent <input checked="" type="checkbox"/>                 | CPP261<br>CPP262<br>CPP263 | 1SNA16820R1300<br>1SNA16820R1200<br>1SNA163403R2000 | 5<br>5<br>5 | 5.00<br>10.00<br>17.00 |
| <b>4 Terminal block markers</b> | Grey <input type="checkbox"/><br>White <input type="checkbox"/> | PEP<br>RC610               | 1SNA113762R2400<br>1SNA233000R0100                  | 50<br>1     | 0.46<br>7.50           |

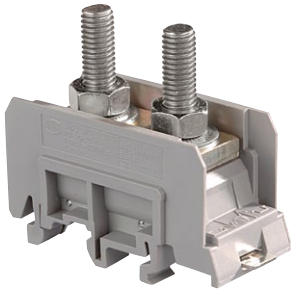
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



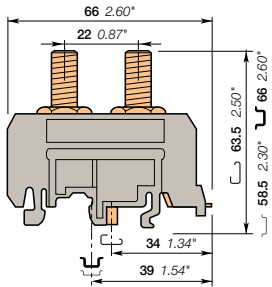
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# M70/31.FF stud terminal blocks

## Feed-through - 31 mm 1.220 in spacing



M70/31.FF



31 mm 1.220 in spacing

### Description

- Compact two stud terminal block,
- Lug mounting in accordance with NF C 20-130 and DIN 46234,
- Various marking options,
- Rail or base mounting.

### Ordering details

| Description  | Color                         | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|-----------|-----------------|---------|------------------|
| <b>Feed-through</b> 2 studs M8 linked by 1 removable bar 20 x 5 mm | Grey <input type="checkbox"/> | M70/31.FF | 1SNA115143R1200 | 10      | 110.00           |

### Main technical data

|                           |                          | Lugs           |            |          |           |
|---------------------------|--------------------------|----------------|------------|----------|-----------|
|                           |                          | NFC            | DIN        | UL       | CSA       |
| Lugs                      | Rigid - Solid / Stranded | 6-70 mm²       | 2.5-70 mm² | 4-00 AWG | max 0 AWG |
|                           | Flexible                 | 6-50 mm²       | 2.5-50 mm² |          |           |
|                           | Gauge                    | C5             |            |          |           |
| Screw clamp               | Rigid - Solid / Stranded |                |            |          |           |
|                           | Flexible                 |                |            |          |           |
|                           | Gauge                    |                |            |          |           |
| Bar                       |                          | IEC            | DIN        | UL       | CSA       |
|                           |                          |                |            |          |           |
| Bar                       | 20 x 5 mm                | 0.78 x 0.20 in |            |          |           |
| Rated current             | 150 A                    | 178 A          | 175 A      | 200 A    |           |
| Rated cross section       | 50 mm²                   | 50 mm²         | 00 AWG     | 0 AWG    |           |
| Rated voltage             | 1000 V                   |                | 600 V      | 600 V    |           |
| Impulse withstand voltage | 8000 V                   |                |            |          |           |

### Mounting instructions

|                       |  |                          |
|-----------------------|--|--------------------------|
| Rail                  |  | G32, TH 35-7.5, TH 35-15 |
| Lugs                  |  | Wrench H13 mm            |
| Tool                  |  |                          |
| Torque                |  | 6 N.m<br>52 lb.in        |
| Jumper screw          |  |                          |
| Tool                  |  |                          |
| Torque                |  |                          |
| Screw clamp           |  |                          |
| Tool                  |  |                          |
| Torque                |  |                          |
| Wire stripping length |  |                          |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

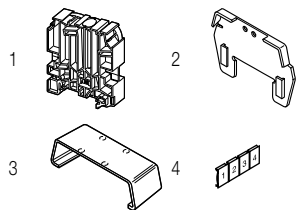
|      |      |     |        |
|------|------|-----|--------|
|      |      |     |        |
| RoHS | ULSR | CSA | Gost R |

### Accessories

| Description                     | Color   | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------|---|--------|-----------------|---------|------------------|
| 1 <b>End stops</b>              | Grey <input type="checkbox"/>                   | BAMH   | 1SNA114836R0000 | 50      | 13.00            |
|                                 |   | BADH   | 1SNA116900R2700 | 50      | 20.00            |
| 2 <b>Circuit separators</b>     | Grey <input type="checkbox"/>                   | ECP31  | 1SNA113690R2100 | 10      | 6.70             |
| 3 <b>Protecting covers</b>      | Transparent <input checked="" type="checkbox"/> | CPP311 | 1SNA168204R1500 | 5       | 7.00             |
|                                 |   | CPP312 | 1SNA168203R1400 | 5       | 14.00            |
|                                 |   | CPP313 | 1SNA163409R0600 | 5       | 23.00            |
| 4 <b>Terminal block markers</b> | Grey <input type="checkbox"/>                   | PEP    | 1SNA113762R2400 | 50      | 0.46             |
|                                 | White <input type="checkbox"/>                  | RC610  | 1SNA233000R0100 | 1       | 7.50             |

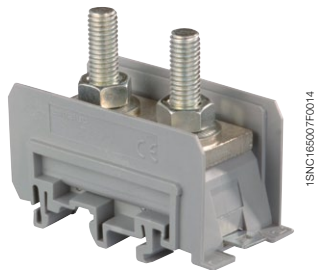
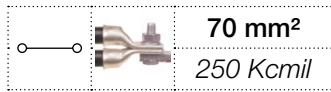
Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

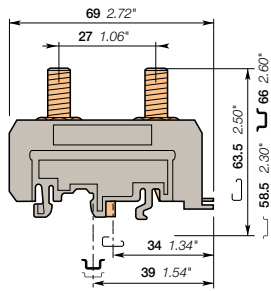


# M120/35.FF stud terminal blocks

## Feed-through - 35 mm 1.380 in spacing



M120/35.FF



35 mm 1.380 in spacing

### Description

- Compact two stud terminal block,
- Lug mounting in accordance with NF C 20-130 and DIN 46234,
- Various marking options,
- Rail or base mounting.

### Ordering details

| Description   | Color                         | Type       | Order code      | Pkg    | Weight             |
|---|-------------------------------|------------|-----------------|--------|--------------------|
| Feed-through 2 studs M8 linked by 1 removable bar 25 x 5 mm | Grey <input type="checkbox"/> | M120/35.FF | 1SNA115146R1500 | 10 pce | 130.00 (1 pce) 9 g |

### Main technical data

|                           |   | NFC                   | DIN   | UL   | CSA  |
|---------------------------|---|-----------------------|---|--|--|
|                           |   | Lugs                  | Rigid - Solid / Stranded<br>Flexible<br>Gauge | 6-95 mm <sup>2</sup><br>6-70 mm <sup>2</sup><br>C6 | 2.5-70 mm <sup>2</sup><br>2.5-70 mm <sup>2</sup> |
| Screw clamp               | Rigid - Solid / Stranded<br>Flexible<br>Gauge | IEC                   | DIN   | UL   | CSA  |
|                           | Bar   | 25 x 5 mm 1 x 0.20 in |   |  |  |
| Rated current             |   | 192 A                 | 220 A   | 255 A  | 270 A  |
| Rated cross section       |   | 70 mm <sup>2</sup>    | 70 mm <sup>2</sup>                            | 250 Kcmil  | 000 AWG  |
| Rated voltage             |   | 1000 V                |   | 600 V  | 600 V  |
| Impulse withstand voltage |   | 8000 V                |   |  |  |

### Mounting instructions

|                       |  |                          |
|-----------------------|--|--------------------------|
| Rail                  |  | G32, TH 35-7.5, TH 35-15 |
| Lugs                  |  | Wrench H13 mm            |
| Tool                  |  |                          |
| Torque                |  | 6 N.m<br>52 lb.in        |
| Jumper screw          |  |                          |
| Tool                  |  |                          |
| Torque                |  |                          |
| Screw clamp           |  |                          |
| Tool                  |  |                          |
| Torque                |  |                          |
| Wire stripping length |  |                          |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

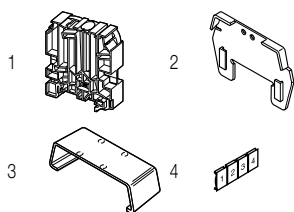
|        |  |        |
|--------|--|--------|
| RoHS   |  | RoHS   |
| UL     |  | ULR    |
| CSA    |  | CSA    |
| Gost R |  | Gost R |

### Accessories

| Description              | Color   | Type                 | Order code      | Pkg             | Weight            |       |
|--------------------------|---|----------------------|-----------------|-----------------|-------------------|-------|
| 1 End stops              | Grey <input type="checkbox"/>                   | BAMH                 | 1SNA114836R0000 | 50 pce          | 13.00 (1 pce) 9 g |       |
|                          |   | BADH                 | 1SNA116900R2700 | 50              | 20.00             |       |
| 2 Circuit separators     | Grey <input type="checkbox"/>                   | ECP35                | 1SNA113691R1600 | 10              | 10.00             |       |
| 3 Protecting covers      | Transparent <input checked="" type="checkbox"/> | marked cut: 1 block  | CPP351          | 1SNA168206R1700 | 5                 | 8.00  |
|                          |   | marked cut: 2 blocks | CPP352          | 1SNA168205R1600 | 5                 | 20.00 |
|                          |   | marked cut: 3 blocks | CPP353          | 1SNA163418R2600 | 5                 | 20.00 |
| 4 Terminal block markers | Grey <input type="checkbox"/>                   | PEP                  | 1SNA113762R2400 | 50              | 0.46              |       |
|                          | White <input type="checkbox"/>                  | RC610                | 1SNA233000R0100 | 1               | 7.50              |       |

Complete list of accessories is indicated in the terminal block datasheet.

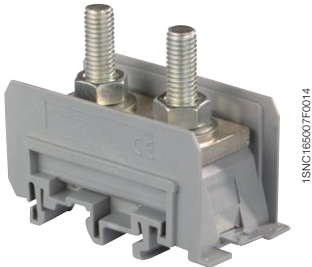
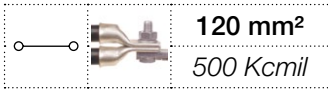
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



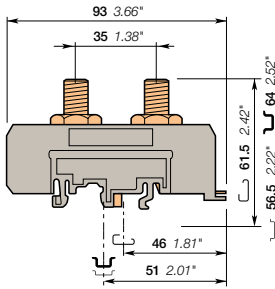
All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

# M300/42.FF stud terminal blocks

## Feed-through - 42 mm 1.653 in spacing



M300/42.FF



42 mm 1.653 in spacing

### Description

- Compact two stud terminal block,
- Lug mounting in accordance with NF C 20-130 and DIN 46234,
- Various marking options,
- Rail or base mounting.

### Ordering details

| Description  | Color                         | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|------------|-----------------|---------|------------------|
| Feed-through 2 studs M10 linked by 1 removable bar 32 x 8 mm | Grey <input type="checkbox"/> | M300/42.FF | 1SNA115149R2000 | 10      | 220.00           |

### Main technical data

| Lugs                      | Rigid - Solid / Stranded<br>Flexible<br>Gauge | NFC        | DIN            | UL          | CSA           |
|---------------------------|---|------------|----------------|-------------|---------------|
|                           |   | 50-150 mm² | 6-150 mm²      | 0-500 kcmil | max 500 Kcmil |
| Screw clamp               | Rigid - Solid / Stranded<br>Flexible<br>Gauge | IEC        | DIN            | UL          | CSA           |
|                           |   | 32 x 8 mm  | 1.26 x 0.32 in | 269 A       | 265 A         |
| Rated current             |   | 269 A      | 265 A          | 230 A       | 550 A         |
| Rated cross section       |   | 120 mm²    | 120 mm²        | 500 Kcmil   | 500 Kcmil     |
| Rated voltage             |   | 1000 V     |                | 600 V       | 600 V         |
| Impulse withstand voltage |   | 8000 V     |                |             |               |

### Mounting instructions

|                       |  |                          |
|-----------------------|--|--------------------------|
| Rail                  |  | G32, TH 35-7.5, TH 35-15 |
| Lugs                  |  | Wrench H16 mm            |
| Tool                  |  |                          |
| Torque                |  | 10 N.m<br>87 lb.in       |
| Jumper screw          |  |                          |
| Tool                  |  |                          |
| Torque                |  |                          |
| Screw clamp           |  |                          |
| Tool                  |  |                          |
| Torque                |  |                          |
| Wire stripping length |  |                          |

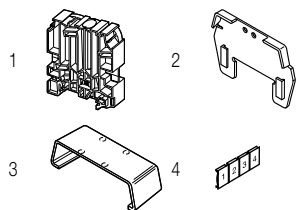
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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|--|--|--|--|

### Accessories

| Description              | Color   | Type                 | Order code      | Pkg pce         | Weight (1 pce) g |       |
|--------------------------|---|----------------------|-----------------|-----------------|------------------|-------|
| 1 End stops              | Grey <input type="checkbox"/>                   | BAMH                 | 1SNA114836R0000 | 50              | 13.00            |       |
|                          |   | BADH                 | 1SNA116900R2700 | 50              | 20.00            |       |
| 2 Circuit separators     | Grey <input type="checkbox"/>                   | ECP42                | 1SNA113692R1700 | 10              | 20.00            |       |
| 3 Protecting covers      | Transparent <input checked="" type="checkbox"/> | marked cut: 1 block  | CPP421          | 1SNA168208R2100 | 5                | 13.00 |
|                          |   | marked cut: 2 blocks | CPP422          | 1SNA168207R1000 | 5                | 30.00 |
|                          |   | marked cut: 3 blocks | CPP423          | 1SNA163424R1400 | 5                | 40.00 |
| 4 Terminal block markers | Grey <input type="checkbox"/>                   | PEP                  | 1SNA113762R2400 | 50              | 0.46             |       |
|                          | White <input type="checkbox"/>                  | RC610                | 1SNA233000R0100 | 1               | 7.50             |       |

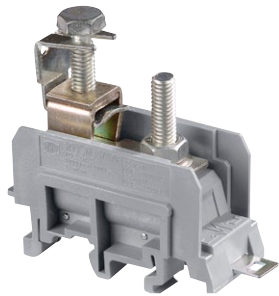
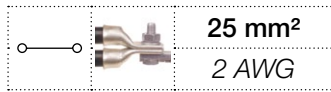
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



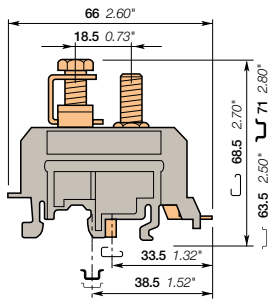
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# M35/26.AF stud terminal blocks

## Feed-through - 26 mm 1.024 in spacing



M35/26.AF



26 mm 1.024 in spacing

### Description

- Compact one stud / one clamp terminal block,
- Lug mounting in accordance with NF C 20-130 and DIN 46234,
- Various marking options,
- Rail or base mounting.

### Ordering details

| Description                           | Color                         | Type      | Order code      | Pkg    | Weight            |
|---------------------------------------|-------------------------------|-----------|-----------------|--------|-------------------|
| Feed-through 1 stud M6 + 1 wire-clamp | Grey <input type="checkbox"/> | M35/26.AF | 1SNA115139R1600 | 10 pce | 60.00 (1 pce) 9 g |

### Main technical data

| Lugs | Rigid - Solid / Stranded<br>Flexible<br>Gauge | NFC                  | DIN                    | UL       | CSA      |
|------|---|----------------------|------------------------|----------|----------|
|      |   | 4-35 mm <sup>2</sup> | 2.5-50 mm <sup>2</sup> | 10-2 AWG | 10-4 AWG |
|      |   | 4-25 mm <sup>2</sup> | 2.5-25 mm <sup>2</sup> |          |          |
|      |   | C3                   |                        |          |          |

| Screw clamp | Rigid - Solid / Stranded<br>Flexible<br>Gauge | IEC                  | DIN                  | UL       | CSA      |
|-------------|---|----------------------|----------------------|----------|----------|
|             |   | 6-50 mm <sup>2</sup> | 6-50 mm <sup>2</sup> | 14-2 AWG | 10-4 AWG |
|             |   | 6-25 mm <sup>2</sup> |                      |          |          |

| Bar                       | Rated current | IEC                | DIN                | UL    | CSA   |
|---------------------------|---------------|--------------------|--------------------|-------|-------|
|                           |               | 101 A              | 115 A              | 115 A | 125 A |
| Rated cross section       |               | 25 mm <sup>2</sup> | 25 mm <sup>2</sup> | 2 AWG | 4 AWG |
| Rated voltage             |               | 1000 V             | 600 V              |       | 600 V |
| Impulse withstand voltage |               | 8000 V             |                    |       |       |

### Mounting instructions

|                       |  |                          |
|-----------------------|--|--------------------------|
| Rail                  |  | G32, TH 35-7.5, TH 35-15 |
| Lugs                  |  | Wrench H10 mm            |
| Tool                  |  |                          |
| Torque                |  | 4.5 N.m<br>39 lb.in      |
| Jumper screw          |  |                          |
| Tool                  |  |                          |
| Torque                |  | 4.5 N.m<br>39 lb.in      |
| Screw clamp           |  | Wrench H10 mm            |
| Tool                  |  |                          |
| Torque                |  | 4.5 N.m<br>39 lb.in      |
| Wire stripping length |  | 19 mm<br>0.748 in        |

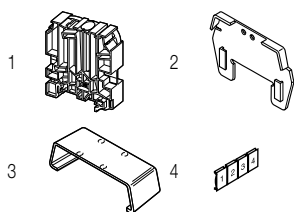
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|      |      |    |    |     |     |        |        |
|------|------|----|----|-----|-----|--------|--------|
| RoHS | RoHS | UL | UL | CSA | CSA | Gost R | Gost R |
|------|------|----|----|-----|-----|--------|--------|

### Accessories

| Description              | Color   | Type                 | Order code      | Pkg             | Weight            |       |
|--------------------------|---|----------------------|-----------------|-----------------|-------------------|-------|
| 1 End stops              | Grey <input type="checkbox"/>                   | BAMH                 | 1SNA114836R0000 | 50 pce          | 13.00 (1 pce) 9 g |       |
|                          |   | BADH                 | 1SNA116900R2700 | 50              | 20.00             |       |
| 2 Circuit separators     | Grey <input type="checkbox"/>                   | ECP26                | 1SNA113689R2400 | 10              | 6.40              |       |
| 3 Protecting covers      | Transparent <input checked="" type="checkbox"/> | marked cut: 1 block  | CPP261          | 1SNA168202R1300 | 5                 | 5.00  |
|                          |   | marked cut: 2 blocks | CPP262          | 1SNA168201R1200 | 5                 | 10.00 |
|                          |   | marked cut: 3 blocks | CPP263          | 1SNA163403R2000 | 5                 | 17.00 |
| 4 Terminal block markers | Grey <input type="checkbox"/>                   | PEP                  | 1SNA113762R2400 | 50              | 0.46              |       |
|                          | White <input type="checkbox"/>                  | RC610                | 1SNA233000R0100 | 1               | 7.50              |       |

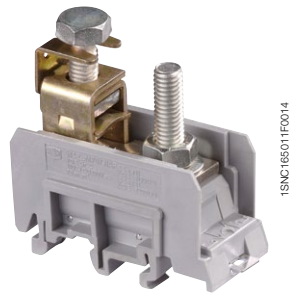
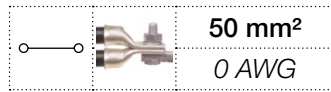
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



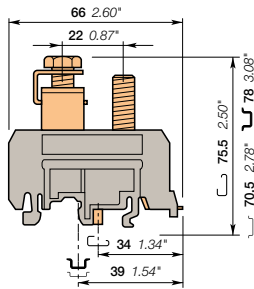
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# M70/31.AF stud terminal blocks

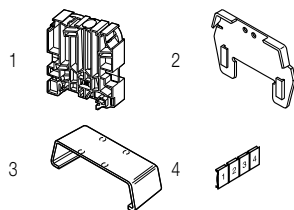
## Feed-through - 31 mm 1.220 in spacing



M70/31.AF



31 mm 1.220 in spacing



### Description

- Compact one stud / one clamp terminal block,
- Lug mounting in accordance with NF C 20-130 and DIN 46234,
- Various marking options,
- Rail or base mounting.

### Ordering details

| Description                           | Color                         | Type      | Order code      | Pkg    | Weight      |
|---------------------------------------|-------------------------------|-----------|-----------------|--------|-------------|
| Feed-through 1 stud M8 + 1 wire-clamp | Grey <input type="checkbox"/> | M70/31.AF | 1SNA115142R1100 | 10 pce | (1 pce) 9 g |

### Main technical data

|      |                          | NFC                  | DIN                    | UL      | CSA     |
|------|--------------------------|----------------------|------------------------|---------|---------|
| Lugs | Rigid - Solid / Stranded | 6-70 mm <sup>2</sup> | 2.5-70 mm <sup>2</sup> | 8-0 AWG | 6-0 AWG |
|      | Flexible                 | 6-50 mm <sup>2</sup> | 2.5-50 mm <sup>2</sup> |         |         |
|      | Gauge                    | C5                   |                        |         |         |

|             |                          | IEC                  | DIN                  | UL      | CSA     |
|-------------|--------------------------|----------------------|----------------------|---------|---------|
| Screw clamp | Rigid - Solid / Stranded | 6-70 mm <sup>2</sup> | 6-70 mm <sup>2</sup> | 8-0 AWG | 6-0 AWG |
|             | Flexible                 | 6-50 mm <sup>2</sup> |                      |         |         |
|             | Gauge                    |                      |                      |         |         |

|                           |  | IEC                | DIN                | UL    | CSA   |
|---------------------------|--|--------------------|--------------------|-------|-------|
| <b>Bar</b>                |  |                    |                    |       |       |
| Rated current             |  | 150 A              | 178 A              | 150 A | 200 A |
| Rated cross section       |  | 50 mm <sup>2</sup> | 50 mm <sup>2</sup> | 0 AWG | 0 AWG |
| Rated voltage             |  | 1000 V             |                    | 600 V | 600 V |
| Impulse withstand voltage |  | 8000 V             |                    |       |       |

### Mounting instructions

|                       |  |                          |
|-----------------------|--|--------------------------|
| Rail                  |  | G32, TH 35-7.5, TH 35-15 |
| Lugs                  |  | Wrench H13 mm            |
| Tool                  |  |                          |
| Torque                |  | 6 N.m<br>52 lb.in        |
| Jumper screw          |  |                          |
| Tool                  |  |                          |
| Torque                |  | 6 N.m<br>52 lb.in        |
| Screw clamp           |  | Wrench H13 mm            |
| Tool                  |  |                          |
| Torque                |  | 6 N.m<br>52 lb.in        |
| Wire stripping length |  | 22 mm<br>0.866 in        |

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|  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|

### Accessories

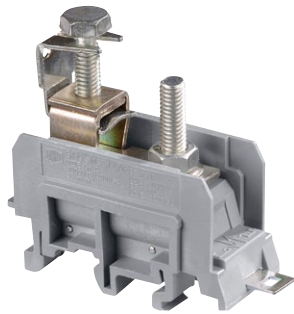
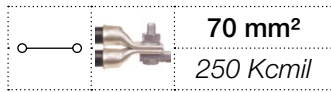
| Description              | Color   | Type                 | Order code      | Pkg             | Weight          |       |
|--------------------------|---|----------------------|-----------------|-----------------|-----------------|-------|
| 1 End stops              | Grey <input type="checkbox"/>                   | BAMH                 | 1SNA114836R0000 | 50 pce          | (1 pce) 13.00 g |       |
|                          |   | BADH                 | 1SNA116900R2700 | 50              | 20.00           |       |
| 2 Circuit separators     | Grey <input type="checkbox"/>                   | ECP31                | 1SNA113690R2100 | 10              | 6.70            |       |
| 3 Protecting covers      | Transparent <input checked="" type="checkbox"/> | marked cut: 1 block  | CPP311          | 1SNA168204R1500 | 5               | 7.00  |
|                          |   | marked cut: 2 blocks | CPP312          | 1SNA168203R1400 | 5               | 14.00 |
|                          |   | marked cut: 3 blocks | CPP313          | 1SNA163409R0600 | 5               | 23.00 |
| 4 Terminal block markers | Grey <input type="checkbox"/>                   | PEP                  | 1SNA113762R2400 | 50              | 0.46            |       |
|                          | White <input type="checkbox"/>                  | RC610                | 1SNA233000R0100 | 1               | 7.50            |       |

Complete list of accessories is indicated in the terminal block datasheet.

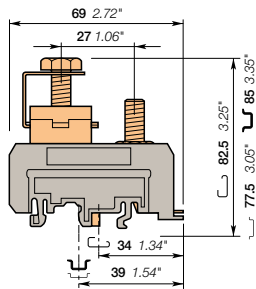
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

# M120/35.AF stud terminal blocks

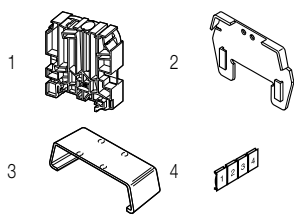
## Feed-through - 35 mm 1.380 in spacing



M120/35.AF



35 mm 1.380 in spacing



### Description

- Compact one stud / one clamp terminal block,
- Lug mounting in accordance with NF C 20-130 and DIN 46234,
- Various marking options,
- Rail or base mounting.

### Ordering details

| Description                           | Color                         | Type       | Order code      | Pkg           | Weight      |
|---------------------------------------|-------------------------------|------------|-----------------|---------------|-------------|
| Feed-through 1 stud M8 + 1 wire-clamp | Grey <input type="checkbox"/> | M120/35.AF | 1SNA115145R1400 | 10<br>(1 pce) | 9<br>160.00 |

### Main technical data

| Lugs | Rigid - Solid / Stranded<br>Flexible<br>Gauge | NFC                  | DIN                    | UL          | CSA         |
|------|---|----------------------|------------------------|-------------|-------------|
|      |   | 6-95 mm <sup>2</sup> | 2.5-70 mm <sup>2</sup> | 2-250 Kcmil | max 000 AWG |
|      |   | C6                   |                        |             |             |

| Screw clamp | Rigid - Solid / Stranded<br>Flexible<br>Gauge | IEC                    | DIN                    | UL          | CSA       |
|-------------|---|------------------------|------------------------|-------------|-----------|
|             |   | 35-120 mm <sup>2</sup> | 35-120 mm <sup>2</sup> | 2-250 Kcmil | 2-000 AWG |
|             |   | 35-70 mm <sup>2</sup>  |                        |             |           |

| Bar | Rated current | Rated cross section | Rated voltage      | Impulse withstand voltage | IEC     | DIN   | UL    | CSA   |
|-----|---------------|---------------------|--------------------|---------------------------|---------|-------|-------|-------|
|     |               |                     |                    |                           | 192 A   | 150 A | 255 A | 270 A |
|     |               | 70 mm <sup>2</sup>  | 50 mm <sup>2</sup> | 250 Kcmil                 | 000 AWG |       |       |       |
|     |               | 1000 V              |                    |                           |         |       |       |       |
|     |               | 8000 V              |                    |                           |         |       |       |       |

### Mounting instructions

|                       |  |                             |
|-----------------------|--|-----------------------------|
| Rail                  |  | G32, TH 35-7.5,<br>TH 35-15 |
| Lugs                  |  | Wrench<br>H13 mm            |
| Tool                  |  |                             |
| Torque                |  | 6 N.m<br>52 lb.in           |
| Tool                  |  |                             |
| Torque                |  |                             |
| Screw clamp           |  | Wrench<br>H13 mm            |
| Tool                  |  |                             |
| Torque                |  | 6 N.m<br>52 lb.in           |
| Wire stripping length |  | 28 mm<br>1.102 in           |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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### Accessories

| Description              | Color   | Type                 | Order code      | Pkg             | Weight |       |
|--------------------------|---|----------------------|-----------------|-----------------|--------|-------|
| 1 End stops              | Grey <input type="checkbox"/>                   | BAMH                 | 1SNA114836R0000 | 50              | 13.00  |       |
|                          |   | BADH                 | 1SNA116900R2700 | 50              | 20.00  |       |
| 2 Circuit separators     | Grey <input type="checkbox"/>                   | ECP35                | 1SNA113691R1600 | 10              | 10.00  |       |
| 3 Protecting covers      | Transparent <input checked="" type="checkbox"/> | marked cut: 1 block  | CPP351          | 1SNA168206R1700 | 5      | 8.00  |
|                          |   | marked cut: 2 blocks | CPP352          | 1SNA168205R1600 | 5      | 20.00 |
|                          |   | marked cut: 3 blocks | CPP353          | 1SNA163418R2600 | 5      | 20.00 |
| 4 Terminal block markers | Grey <input type="checkbox"/>                   | PEP                  | 1SNA113762R2400 | 50              | 0.46   |       |
|                          | White <input type="checkbox"/>                  | RC610                | 1SNA233000R0100 | 1               | 7.50   |       |

Complete list of accessories is indicated in the terminal block datasheet.

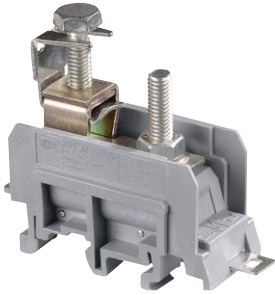
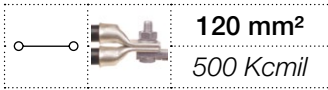
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic.  
Technical data valid for copper conductors only.

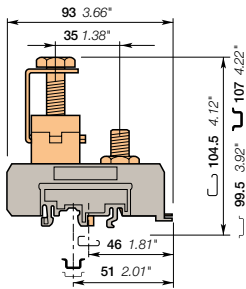


# M300/42.AF stud terminal blocks

## Feed-through - 42 mm 1.653 in spacing



M300/42.AF



42 mm 1.653 in spacing

### Description

- Compact one stud / one clamp terminal block,
- Lug mounting in accordance with NF C 20-130 and DIN 46234,
- Various marking options,
- Rail or base mounting.

### Ordering details

| Description                            | Color                         | Type       | Order code      | Pkg    | Weight           |
|--|-------------------------------|------------|-----------------|--------|------------------|
| Feed-through 1 stud M10 + 1 wire-clamp | Grey <input type="checkbox"/> | M300/42.AF | 1SNA115148R2700 | 10 pce | (1 pce) 340.00 g |

### Main technical data

| Lugs | Rigid - Solid / Stranded<br>Flexible<br>Gauge | NFC                    | DIN                   | UL          | CSA         |
|------|---|------------------------|-----------------------|-------------|-------------|
|      |   | 50-150 mm <sup>2</sup> | 6-150 mm <sup>2</sup> | 0-500 Kcmil | 0-500 Kcmil |
|      |   | 50-120 mm <sup>2</sup> | 6-120 mm <sup>2</sup> |             |             |
|      |   | C8                     |                       |             |             |

| Screw clamp | Rigid - Solid / Stranded<br>Flexible<br>Gauge | IEC                    | DIN                    | UL          | CSA         |
|-------------|---|------------------------|------------------------|-------------|-------------|
|             |   | 70-300 mm <sup>2</sup> | 70-300 mm <sup>2</sup> | 0-500 Kcmil | 0-500 Kcmil |
|             |   | 70-120 mm <sup>2</sup> | 70-120 mm <sup>2</sup> |             |             |

| Bar                       | Rated current | IEC                 | DIN                 | UL        | CSA       |
|---------------------------|---------------|---------------------|---------------------|-----------|-----------|
|                           |               | 269 A               | 269 A               | 380 A     | 550 A     |
| Rated cross section       |               | 120 mm <sup>2</sup> | 120 mm <sup>2</sup> | 500 Kcmil | 500 Kcmil |
| Rated voltage             |               | 1000 V              |                     | 600 V     | 600 V     |
| Impulse withstand voltage |               | 8000 V              |                     |           |           |

### Mounting instructions

|                       |  |                             |
|-----------------------|--|-----------------------------|
| Rail                  |  | G32, TH 35-7.5,<br>TH 35-15 |
| Lugs                  |  | Wrench                      |
| Tool                  |  | H16 mm                      |
| Torque                |  | 10 N.m<br>87 lb.in          |
| Jumper screw          |  |                             |
| Tool                  |  |                             |
| Torque                |  | 10 N.m<br>87 lb.in          |
| Screw clamp           |  | Wrench                      |
| Tool                  |  | H16 mm                      |
| Torque                |  | 10 N.m<br>87 lb.in          |
| Wire stripping length |  | 40 mm<br>1.575 in           |

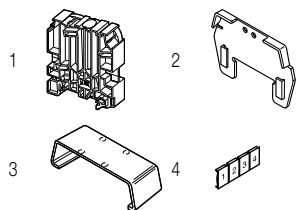
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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### Accessories

| Description              | Color   | Type                 | Order code      | Pkg             | Weight          |       |
|--------------------------|---|----------------------|-----------------|-----------------|-----------------|-------|
| 1 End stops              | Grey <input type="checkbox"/>                   | BAMH                 | 1SNA114836R0000 | 50 pce          | (1 pce) 13.00 g |       |
|                          |   | BADH                 | 1SNA116900R2700 | 50              | 20.00           |       |
| 2 Circuit separators     | Grey <input type="checkbox"/>                   | ECP42                | 1SNA113692R1700 | 10              | 20.00           |       |
| 3 Protecting covers      | Transparent <input checked="" type="checkbox"/> | marked cut: 1 block  | CPP421          | 1SNA168208R2100 | 5               | 13.00 |
|                          |   | marked cut: 2 blocks | CPP422          | 1SNA168207R1000 | 5               | 30.00 |
|                          |   | marked cut: 3 blocks | CPP423          | 1SNA163424R1400 | 5               | 40.00 |
| 4 Terminal block markers | Grey <input type="checkbox"/>                   | PEP                  | 1SNA113762R2400 | 50              | 0.46            |       |
|                          | White <input type="checkbox"/>                  | RC610                | 1SNA233000R0100 | 1               | 7.50            |       |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

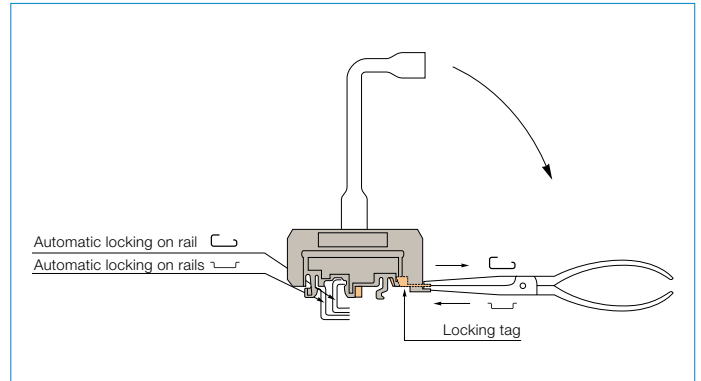
# ABB's "positive retention" lock foot Mounting instructions

## Mounting

The locking action is automatic on mounting the block on the rail.

## Unlocking

- Pull or push on the locking tag, using pliers as follows
- Blocks mounted on DIN 1 rail: pull on the release tag
- Blocks mounted on DIN 3 rails: push on the release tag
- Remove the block from the rail by rotation, using a tube wrench while maintaining the action of the pliers.

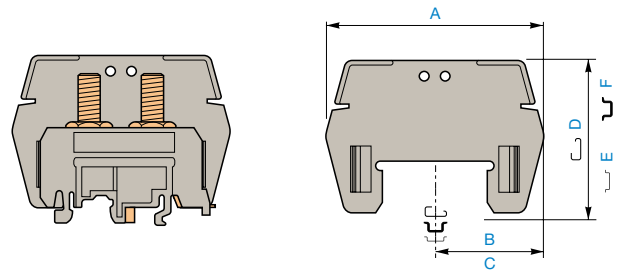


4

## Space requirements of blocks with their partition or protective cover

Partition for TYPE I blocks

| Type          | Order code      | Spacing | A   | B    | C    | D     | E    | F   |
|---------------|-----------------|---------|-----|------|------|-------|------|-----|
| Dimensions mm |                 |         |     |      |      |       |      |     |
| ECP26         | 1SNA113689R2400 | 26      | 76  | 35.5 | 40.5 | 67.5  | 62.5 | 70  |
| ECP31         | 1SNA113690R2100 | 31      | 84  | 39.5 | 44.5 | 72.5  | 67.5 | 75  |
| ECP35         | 1SNA113691R1600 | 35      | 90  | 42.5 | 47.5 | 82.5  | 77.5 | 85  |
| ECP42         | 1SNA113692R1700 | 42      | 116 | 55.5 | 60.5 | 104.5 | 99.5 | 107 |



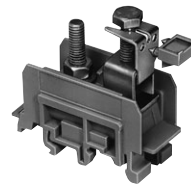
## Marker-holder for power blocks

This marker-holder snaps on the ECP and ECS power blocks partitions, as well as on the type I power blocks compression clamps.

They can also be mounted on the SCF separator end sections.

| Type | Order code      |
|------|-----------------|
| PEP  | 1SNA113762R2400 |

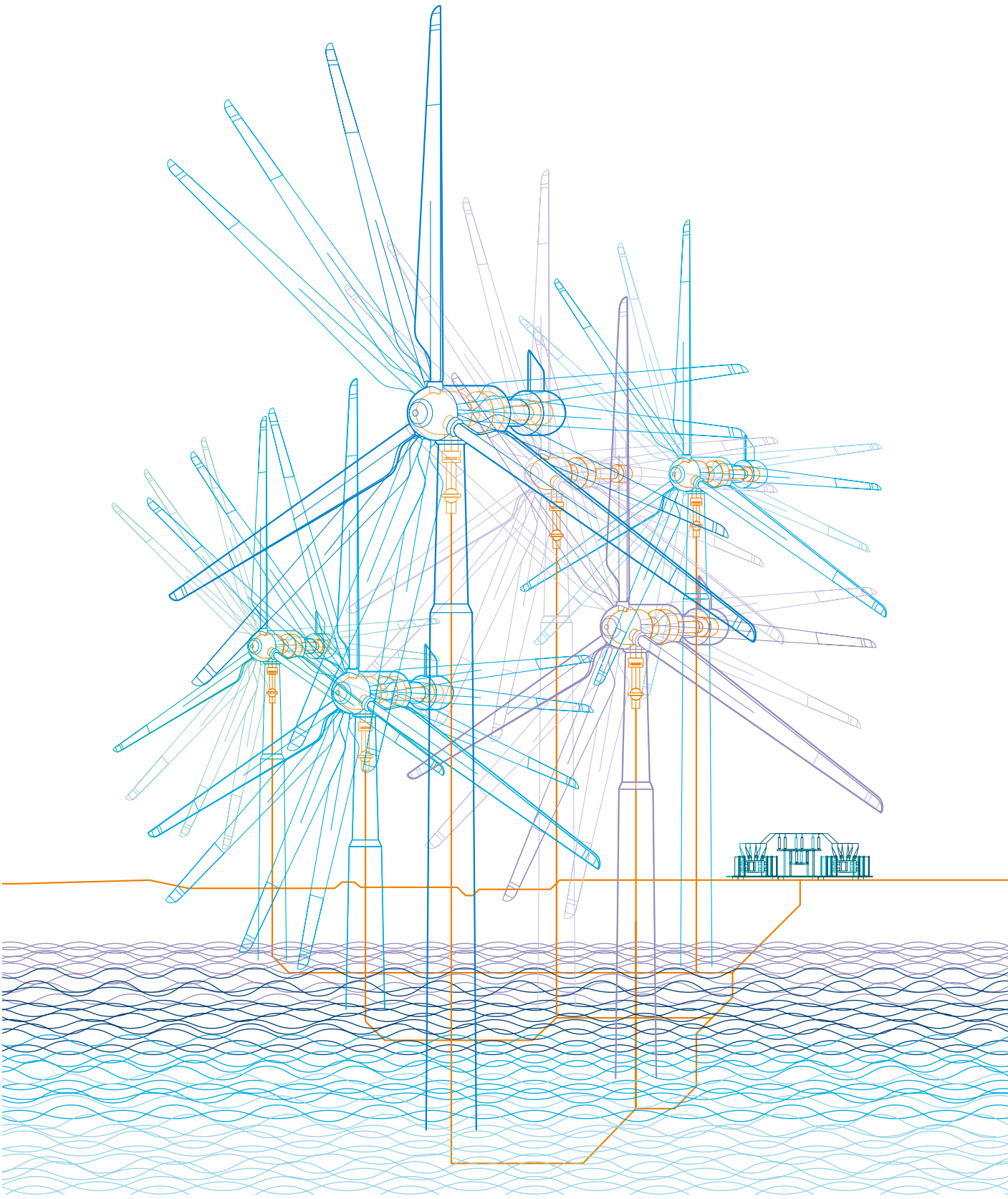
This marker-holder can receive:  
1 label                  RC610



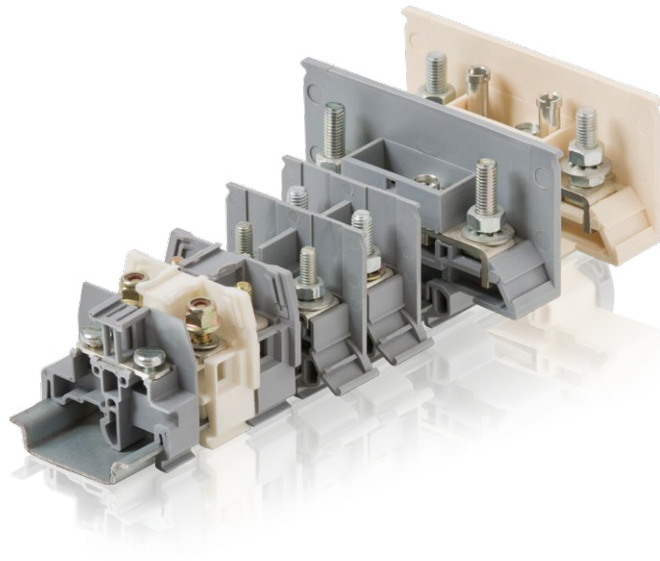
## Adhesive marker

High performance adhesive marker for most surface types.  
See section on markers.

| Type | Oder code       |
|------|-----------------|
| RPA  | 1SNA235463R2300 |



1SNC165027S0201



# Solution series, terminal blocks

## Ring lug technology



Overview 92

### Feed-through

|                           |          |    |
|---------------------------|----------|----|
| 6 mm <sup>2</sup> / 8 AWG | M6/9.EE  | 93 |
|                           | M6/12.FF | 94 |
|                           | M6/13.FF | 95 |

### Feed-through

|                    |             |    |
|--------------------|-------------|----|
| 16 mm <sup>2</sup> | 165LTTM5TM5 | 97 |
|--------------------|-------------|----|

### Test disconnect

|                    |               |  |     |
|--------------------|---------------|--|-----|
| 6 mm <sup>2</sup>  | 131ETTM4TM4   | With a screwdriver sliding link          | 98  |
| 16 mm <sup>2</sup> | 165ETTM5TM5   | With a screwdriver sliding link          | 99  |
|                    | 165ETTM5TM5-2 | With a screwdriver sliding link and test | 100 |

# Solution series, terminal blocks

## Ring lug technology



Feed-through

5

Section

IEC *UL/CSA*  
6 mm<sup>2</sup> *8 AWG*



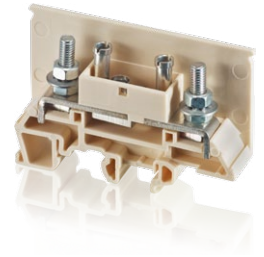
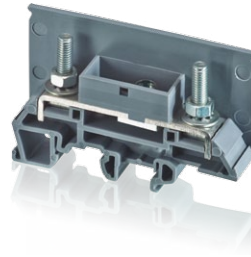
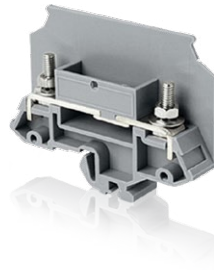
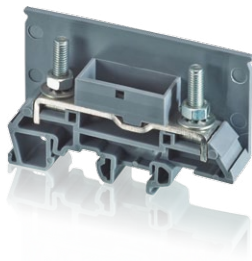
**M6/9.EE**  
9.5 mm 0.374 in



**M6/12.FF**  
12.5 mm 0.492 in



**M6/13.FF**  
13 mm 0.512 in



Feed-through

Test disconnect

Section

IEC *UL/CSA*  
6 mm<sup>2</sup>



**165LTTM5TM5**  
16 mm 0.630 in



**131ETTM4TM4**  
13 mm 0.512 in



**165ETTM5TM5-2**  
16 mm 0.630 in

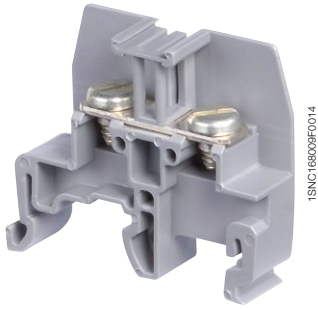
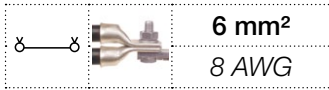
16 mm<sup>2</sup>

**165ETTM5TM5**  
16 mm 0.630 in

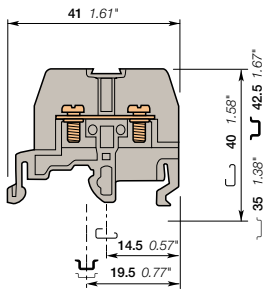
All the technical data for UL/CSA standard and dimensions in inches are in italic.

# M6/9.EE ring lug terminal blocks

## Feed-through - 9.5 mm 0.374 in spacing



M6/9.EE



9.5 mm 0.374 in spacing

### Description

– Strap screw terminal block for ring lug connection.

### Ordering details

| Description   | Color                         | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|---------|-----------------|---------|------------------|
| <b>Feed-through</b> With 2 screws<br>CL 6-32 NC - 2A<br>DIA 3.5 mm 0.138 in<br>for lug max width<br>8.5 mm 0.334 in and<br>removable partition<br>for jumpering | Grey <input type="checkbox"/> | M6/9.EE | 1SNA115201R2500 | 50      | 7.00             |

### Main technical data

|                                  |                          | NFC                   | DIN | UL       | CSA        |
|----------------------------------|--------------------------|-----------------------|-----|----------|------------|
| <b>Lugs</b>                      | Rigid - Solid / Stranded | 0.5-6 mm <sup>2</sup> |     | 22-8 AWG | max 10 AWG |
|                                  | Flexible                 | 0.5-6 mm <sup>2</sup> |     |          |            |
|                                  | Gauge                    |                       |     |          |            |
| <b>Rated current</b>             |                          | 46 A                  |     | 40 A     | 40 A       |
| <b>Rated cross section</b>       |                          | 6 mm <sup>2</sup>     |     | 8 AWG    | 10 AWG     |
| <b>Rated voltage</b>             |                          | 750 V                 |     | 600 V    | 600 V      |
| <b>Impulse withstand voltage</b> |                          | 720 V                 |     |          |            |
| <b>Protection</b>                |                          |                       |     | NEMA     |            |

### Mounting instructions

|                       |  |                                |
|-----------------------|--|--------------------------------|
| Rail                  |  | G32, TH 35-7.5,<br>TH 35-15    |
| Lugs                  |  | Flat screwdriver               |
| Tool                  |  | 6.35 mm<br>0.250 in            |
| Torque                |  | 0.8 - 1 N.m<br>7.1 - 8.9 lb.in |
| Wire stripping length |  |                                |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

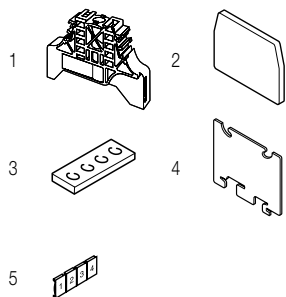


### Accessories

| Description                     | Color                          | Type     | Order code      | Pkg pce         | Weight (1 pce) g |      |
|---------------------------------|--------------------------------|----------|-----------------|-----------------|------------------|------|
| 1 <b>End stops</b>              | Grey <input type="checkbox"/>  | BAM2     | 1SNA206351R1600 | 50              | 12.00            |      |
|                                 |                                | BADL     | 1SNA399903R0200 | 50              | 4.70             |      |
| 2 <b>End sections</b>           | Grey <input type="checkbox"/>  | FEM9     | 1SNA113067R1700 | 1               | 2.40             |      |
| 3 <b>Jumper bars</b>            | Grey <input type="checkbox"/>  | 2 poles  | BJS9.5-2        | 1SNA173815R1600 | 10               | 1.00 |
|                                 |                                | 3 poles  | BJS9.5-3        | 1SNA173816R1700 | 10               | 1.60 |
|                                 |                                | 4 poles  | BJS9.5-4        | 1SNA173817R1000 | 10               | 2.20 |
|                                 |                                | 5 poles  | BJS9.5-5        | 1SNA173818R2100 | 10               | 2.70 |
|                                 |                                | 10 poles | BJS9.5-10       | 1SNA173819R2200 | 10               | 5.60 |
| 4 <b>Circuit separators</b>     | White <input type="checkbox"/> | SCF9     | 1SNA103672R0100 | 20              | 2.00             |      |
| 5 <b>Terminal block markers</b> | White <input type="checkbox"/> | RCT810   | 1SNA236500R0600 | 1               | 7.60             |      |

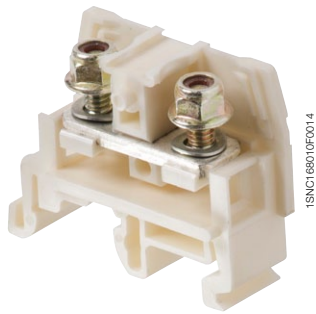
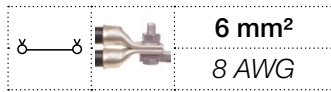
Complete list of accessories is indicated in the terminal block datasheet.

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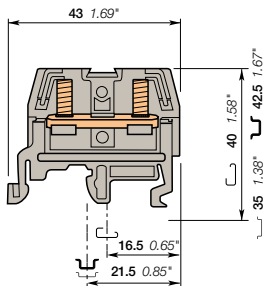


# M6/12.FF ring lug terminal blocks

## Feed-through - 12.5 mm 0.492 in spacing



M6/12.FF



12.5 mm 0.492 in spacing

### Description

- Terminal block for high vibration environment,
- Stud connection.

### Ordering details

| Description                | Color                          | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|----------------------------|--------------------------------|----------|-----------------|---------|------------------|
| Feed-through               | White <input type="checkbox"/> | M6/12.FF | 1SNA115263R2200 | 50      | 20.00            |
|                            | Grey <input type="checkbox"/>  | M6/12.FF | 1SNA115511R0300 | 50      | 13.00            |
| Without nuts, with 2 studs | White <input type="checkbox"/> | M6/12.FF | 1SNA115262R2100 | 50      | 13.00            |
|                            | Grey <input type="checkbox"/>  | M6/12.FF | 1SNA115511R0300 | 50      | 13.00            |

### Main technical data

|                           | NFC   | DIN                   | UL    | CSA       |
|---------------------------|---|-----------------------|-------|-----------|
| Lugs                      | Rigid - Solid / Stranded<br>Flexible<br>Gauge | max 6 mm <sup>2</sup> | 8 AWG | 18-10 AWG |
| Rated current             | 46 A  |                       | 40 A  | 25 A      |
| Rated cross section       | 6 mm <sup>2</sup>                             |                       | 8 AWG | 10 AWG    |
| Rated voltage             | 750 V   |                       | 600 V | 600 V     |
| Impulse withstand voltage | 720 V   |                       |       |           |
| Protection                |   |                       | NEMA  |           |

### Mounting instructions

|                       |  |                             |
|-----------------------|--|-----------------------------|
| Rail                  |  | G32, TH 35-7.5,<br>TH 35-15 |
| Lugs                  |  | Wrench                      |
| Tool                  |  |                             |
| Torque                |  | 1.8 N.m<br>15.65 lb.in      |
| Wire stripping length |  |                             |

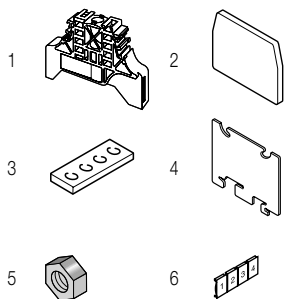
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|       |      |      |         |
|-------|------|------|---------|
| RoHS: | USR: | CSA: | Gost R: |
|-------|------|------|---------|

### Accessories

| Description              | Color                          | Type     | Order code      | Pkg pce         | Weight (1 pce) g |      |
|--------------------------|--------------------------------|----------|-----------------|-----------------|------------------|------|
| 1 End stops              | Grey <input type="checkbox"/>  | BAM2     | 1SNA206351R1600 | 50              | 12.00            |      |
|                          |                                | BADL     | 1SNA399903R0200 | 50              | 4.70             |      |
| 2 End sections           | Grey <input type="checkbox"/>  | FEM12F   | 1SNA116713R1600 | 25              | 1.25             |      |
| 3 Jumper bars            | Grey <input type="checkbox"/>  | 2 poles  | 1SNA174393R2000 | 10              | 1.70             |      |
|                          |                                | 3 poles  | BJS12.5-3       | 1SNA174394R2100 | 10               | 2.70 |
|                          |                                | 5 poles  | BJS12.5-5       | 1SNA174395R2200 | 10               | 4.80 |
|                          |                                | 10 poles | BJS12.5-10      | 1SNA174396R2300 | 10               | 9.90 |
| 4 Circuit separators     | White <input type="checkbox"/> | SCF9     | 1SNA103672R0100 | 20              | 2.00             |      |
| 5 Nuts                   |                                | ECR-3    | 1SNA175263T0600 | 100             | 1.00             |      |
| 6 Terminal block markers | White <input type="checkbox"/> | RCT810   | 1SNA236500R0600 | 1               | 7.60             |      |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

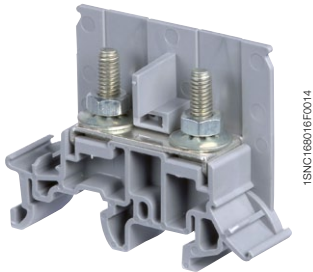
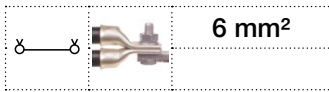


All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

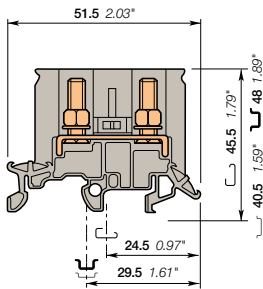


# M6/13.FF ring lug terminal blocks

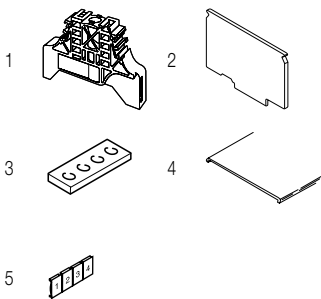
## Feed-through - 13 mm 0.512 in spacing



M6/13.FF



13 mm 0.512 in spacing



### Description

– Two stud terminal block for ring lug connection.

### Ordering details

| Description   | Color                         | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|----------|-----------------|---------|------------------|
| Feed-through With 2 studs M4 x 16 and removable partition for jumpering | Grey <input type="checkbox"/> | M6/13.FF | 1SNA115626R1600 | 25      | 16.00            |

### Main technical data

| Lugs                      | Rigid - Solid / Stranded Flexible Gauge | NFC                   | DIN | UL   | CSA |
|---------------------------|---|-----------------------|-----|------|-----|
|                           |   | max 6 mm <sup>2</sup> |     |      |     |
| Rated current             |   | 41 A                  |     |      |     |
| Rated cross section       |   | 6 mm <sup>2</sup>     |     |      |     |
| Rated voltage             |   | 630 V                 |     |      |     |
| Impulse withstand voltage |   | 8000 V                |     |      |     |
| Protection                |   |                       |     | NEMA |     |

### Mounting instructions

|                       |  |                                 |
|-----------------------|--|---------------------------------|
| Rail                  |  | G32, TH 35-7.5, TH 35-15        |
| Lugs Tool             |  | Wrench H7 mm 0.275 in           |
| Torque                |  | 1.2 - 2.5 N.m 10.6 - 21.8 lb.in |
| Wire stripping length |  |                                 |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |                          |      |                          |        |                          |
|------|--------------------------|------|--------------------------|--------|--------------------------|
| RoHS | <input type="checkbox"/> | RoHS | <input type="checkbox"/> | Gost R | <input type="checkbox"/> |
|------|--------------------------|------|--------------------------|--------|--------------------------|

### Accessories

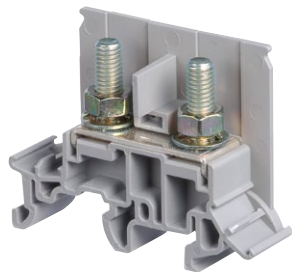
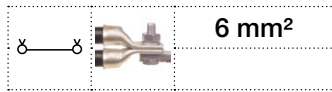
| Description              | Color                          | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|--------------------------------|----------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>  | BAM2     | 1SNA206351R1600 | 50      | 12.00            |
|                          |                                | BADL     | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections           | Grey <input type="checkbox"/>  | FEM13F   | 1SNA116977R1700 | 25      | 1.40             |
| 3 Jumper bars            |                                | BJS13-10 | 1SNA167224R2700 | 10      | 10.00            |
| 4 Protecting covers      |                                | CPE43    | 1SNA280092R2500 | 2       |                  |
| 5 Terminal block markers | White <input type="checkbox"/> | RC1010   | 1SNA238000R1600 | 1       | 1.30             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# M6/13.FF ring lug terminal blocks

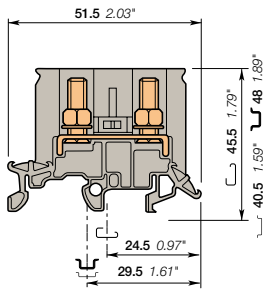
## Feed-through - 13 mm 0.512 in spacing



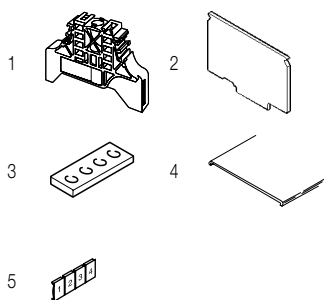
1SNC168015F014

5

M6/13.FF



13 mm 0.512 in spacing



### Description

– Two stud terminal block for ring lug connection.

### Ordering details

| Description  | Color                         | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|------------|-----------------|---------|------------------|
| <b>Feed-through</b> With 2 studs M5 x 16 and removable partition for jumpering | Grey <input type="checkbox"/> | M6/13.FF.1 | 1SNA115627R1700 | 25      | 16.00            |

### Main technical data

|                                  |                          | NFC       | DIN | UL   | CSA |
|----------------------------------|--------------------------|-----------|-----|------|-----|
| <b>Lugs</b>                      | Rigid - Solid / Stranded | max 6 mm² |     |      |     |
|                                  | Flexible Gauge           | max 6 mm² |     |      |     |
| <b>Rated current</b>             |                          | 41 A      |     |      |     |
| <b>Rated cross section</b>       |                          | 6 mm²     |     |      |     |
| <b>Rated voltage</b>             |                          | 630 V     |     |      |     |
| <b>Impulse withstand voltage</b> |                          | 8000 V    |     |      |     |
| <b>Protection</b>                |                          |           |     | NEMA |     |

### Mounting instructions

|                       |  |                             |
|-----------------------|--|-----------------------------|
| Rail                  |  | G32, TH 35-7.5, TH 35-15    |
| Lugs Tool             |  | Wrench H8 mm 0.310 in       |
| Torque                |  | 2 - 4 N.m 17.7 - 35.4 lb.in |
| Wire stripping length |  |                             |

The connecting capacity data for one Rigid - Solid / Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|                               |      |  |        |
|-------------------------------|------|--|--------|
| RoHS <input type="checkbox"/> | RoHS |  | Gost R |
|-------------------------------|------|--|--------|

### Accessories

| Description                                | Color                          | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------------------------|----------|-----------------|---------|------------------|
| <b>1 End stops</b>                         | Grey <input type="checkbox"/>  | BAM2     | 1SNA206351R1600 | 50      | 12.00            |
|  |                                | BADL     | 1SNA399903R0200 | 50      | 4.70             |
| <b>2 End sections</b>                      | Grey <input type="checkbox"/>  | FEM13F   | 1SNA116977R1700 | 25      | 1.40             |
| <b>3 Jumper bars</b>                       |                                | BJS13-10 | 1SNA167224R2700 | 10      | 10.00            |
| <b>4 Protecting covers</b>                 |                                | CPE43    | 1SNA280092R2500 | 2       |                  |
| <b>5 Terminal block markers</b> Blank card | White <input type="checkbox"/> | RC1010   | 1SNA238000R1600 | 1       | 1.30             |

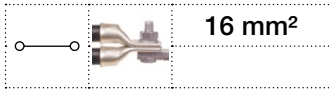
Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

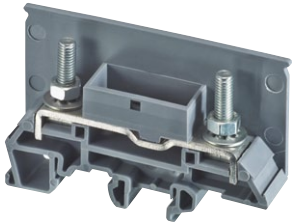
All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

# 165LTTM5TM5 ring lug terminal blocks

## Feed-through - 16 mm 0.630 in spacing

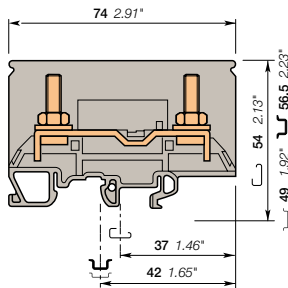


16 mm<sup>2</sup>



1SNC1680034F0014

165LTTM5TM5



16 mm 0.630 in spacing

### Description

- Two stud terminal block for ring lug connection,
- Profile aligned with disconnect terminal blocks type 165ETTM5TM5.

### Ordering details

| Description                                     | Color                         | Type        | Order code      | Pkg<br>pce | Weight<br>(1 pce) g |
|---|-------------------------------|-------------|-----------------|------------|---------------------|
| Feed-through With 2 studs M5 x 16 and partition | Grey <input type="checkbox"/> | 165LTTM5TM5 | 1SNA216110R2200 | 25         | 40.00               |

### Main technical data

|                           |                          | NFC                | DIN | UL   | CSA | Mounting instructions |                                |
|---------------------------|--------------------------|--------------------|-----|------|-----|-----------------------|--------------------------------|
| Lugs                      | Rigid - Solid / Stranded | 16 mm <sup>2</sup> |     |      |     | Rail                  | G32, TH 35-7.5, TH 35-15       |
|                           | Flexible                 | 16 mm <sup>2</sup> |     |      |     | Lugs                  | Wrench                         |
|                           | Gauge                    |                    |     |      |     | Tool                  | H8 mm<br>0.310 in              |
| Rated current             |                          | 76 A               |     |      |     | Torque                | 2 - 4 N.m<br>17.7 - 35.4 lb.in |
| Rated cross section       |                          | 16 mm <sup>2</sup> |     |      |     | Wire stripping length |                                |
| Rated voltage             |                          | 800 V              |     |      |     |                       |                                |
| Impulse withstand voltage |                          | 8000 V             |     |      |     |                       |                                |
| Protection                |                          | IP00               |     | NEMA |     |                       |                                |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

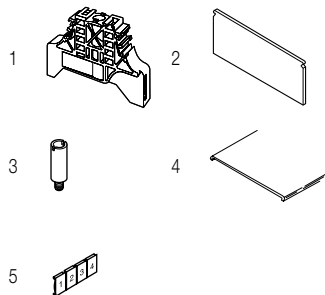
|      |  |  |  |  |  |  |  |
|------|--|--|--|--|--|--|--|
| RoHS |  |  |  |  |  |  |  |
|------|--|--|--|--|--|--|--|

5

### Accessories

| Description              | Color                         | Type      | Order code      | Pkg<br>pce | Weight<br>(1 pce) g |
|--------------------------|-------------------------------|-----------|-----------------|------------|---------------------|
| 1 End stops              | Grey <input type="checkbox"/> | BAM2      | 1SNA206351R1600 | 50         | 12.00               |
|                          |                               | BADL      | 1SNA399903R0200 | 50         | 4.70                |
| 2 End sections           | Grey <input type="checkbox"/> | FEET80    | 1SNA216114R1200 | 10         | 7.20                |
| 3 Test sockets           |                               | AL4-M3-R1 | 1SNA206722R0200 | 50         | 1.62                |
| 4 Protecting covers      |                               | CPE80     | 1SNA280093R2600 | 1          | 103.00              |
| 5 Terminal block markers |                               | REH3      | 1SNA163155R2600 | 1          | 20.00               |

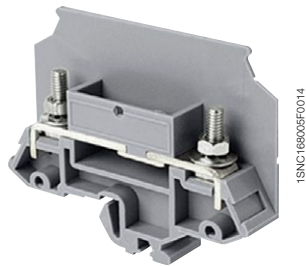
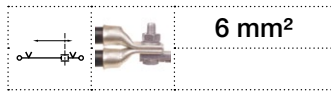
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

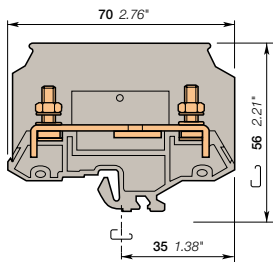
# 131ETTM4TM4 ring lug terminal blocks

## Test disconnect with a screwdriver sliding link - 13 mm 0.512 in spacing

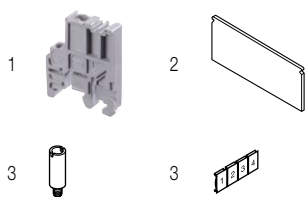


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131ETTM4TM4



13 mm 0.512 in spacing



### Description

- Secure your disconnect operations with the disconnect sliding link operated with a screwdriver,
- Two stud terminal block for ring lug connection.

### Ordering details

| Description                                   | Color                         | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|-------------|-----------------|---------|------------------|
| Disconnect With 2 studs M4 x 14 and partition | Grey <input type="checkbox"/> | 131ETTM4TM4 | 1SNA111028R1600 | 25      | 20.00            |

### Main technical data

| Lugs                      |  | NFC               | DIN | UL   | CSA |
|---------------------------|--|-------------------|-----|------|-----|
| Rigid - Solid / Stranded  |  | 6 mm <sup>2</sup> |     |      |     |
| Flexible                  |  | 6 mm <sup>2</sup> |     |      |     |
| Gauge                     |  |                   |     |      |     |
| Rated current             |  | 47 A              |     |      |     |
| Rated cross section       |  | 6 mm <sup>2</sup> |     |      |     |
| Rated voltage             |  | 750 V             |     |      |     |
| Impulse withstand voltage |  | 720 V             |     |      |     |
| Protection                |  |                   |     | NEMA |     |

### Mounting instructions

|                       |  |                                    |
|-----------------------|--|------------------------------------|
| Rail                  |  | G32, TH 35-7.5, TH 35-15           |
| Lugs                  |  | Wrench H7 mm 0.275 in              |
| Tool                  |  | 1.2 - 2.5 N.m 10.6 - 21.8 lb.in    |
| Torque                |  |                                    |
| Disconnect device     |  | Flat screwdriver Ø 4 mm Ø 0.157 in |
| Tool                  |  | 0.5 - 0.8 N.m 4.4 - 7.1 lb.in      |
| Torque                |  |                                    |
| Wire stripping length |  |                                    |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|                               |  |  |  |  |  |
|-------------------------------|--|--|--|--|--|
| RoHS <input type="checkbox"/> |  |  |  |  |  |
|-------------------------------|--|--|--|--|--|

### Accessories

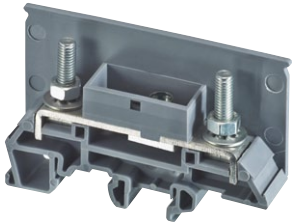
| Description                         | Color                         | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------------------|-------------------------------|-----------|-----------------|---------|------------------|
| 1 End stops 9.1 mm 0.358 in         | Grey <input type="checkbox"/> | BAMH      | 1SNA114836R0000 | 50      | 13.00            |
| 2 End sections 1.5 mm 0.059 in      | Grey <input type="checkbox"/> | FEET60    | 1SNA117755R2100 | 10      | 5.00             |
| 3 Test sockets DIA 4 mm 0.157 in    |                               | AL4-M3-R1 | 1SNA206722R0200 | 50      | 1.62             |
| 4 Terminal block markers Blank card |                               | REH3      | 1SNA163155R2600 | 1       | 20.00            |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

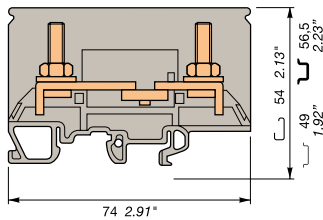
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# 165ETTM5TM5 ring lug terminal blocks

## Test disconnect with a screwdriver sliding link - 16 mm 0.630 in spacing



165ETTM5TM5



16 mm 0.630 in spacing

### Description

- Secure your disconnect operations with the disconnect sliding link operated with a screwdriver.
- Two stud terminal block for ring lug connection.
- Profile aligned with terminal blocks type 165LTTM5TM5

### Ordering details

| Description   | Color | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------|-------------|-----------------|---------|------------------|
| Disconnect With 2 studs M5 x 18 fitted with 1 nut + 1 lock washer | Grey  | 165ETTM5TM5 | 1SNA216112R1000 | 25      | 22.00            |

### Main technical data

|                           |   | UL                                       | CSA | Mounting instructions |                                  |
|---------------------------|---|--|-----|-----------------------|----------------------------------|
| Lugs                      | Rigid - Solid / Stranded<br>Flexible<br>Gauge | 16 mm <sup>2</sup><br>16 mm <sup>2</sup> |     | Rail                  | G32, TH 35-7.5, TH 35-15         |
| Rated current             | 76 A  |  |     | Lugs                  | Wrench                           |
| Rated cross section       | 16 mm <sup>2</sup>                            |  |     | Tool                  | H8 mm<br>0.310 in                |
| Rated voltage             | 800 V   |  |     | Torque                | 2 - 4 N.m<br>17.7 - 35.4 lb.in   |
| Impulse withstand voltage | 8000 V  |  |     | Disconnect device     | Flat screwdriver                 |
| Protection                | IP00  | NEMA                                     |     | Tool                  | Ø 4 mm<br>Ø 0.157 in             |
|                           |   |  |     | Torque                | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in |
|                           |   |  |     | Wire stripping length |                                  |

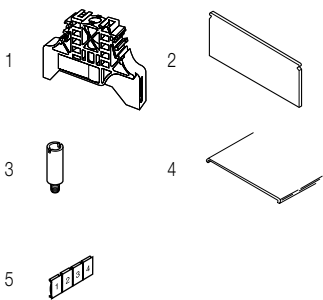
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |      |     |        |
|------|------|-----|--------|
| RoHS | RoHS | PCB | Gost R |
|------|------|-----|--------|

### Accessories

| Description              | Color | Type         | Order code                         | Pkg pce | Weight (1 pce) g |
|--------------------------|-------|--------------|------------------------------------|---------|------------------|
| 1 End stops              | Grey  | BAM2<br>BADL | 1SNA206351R1600<br>1SNA399903R0200 | 50      | 12.00<br>4.70    |
| 2 End sections           | Grey  | FEET80       | 1SNA216114R1200                    | 10      | 7.20             |
| 3 Test sockets           |       | AL4-M3-R1    | 1SNA206722R0200                    | 50      | 1.62             |
| 4 Protecting covers      |       | CPE80        | 1SNA280093R2600                    | 1       | 103.00           |
| 5 Terminal block markers |       | REH3         | 1SNA163155R2600                    | 1       | 20.00            |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



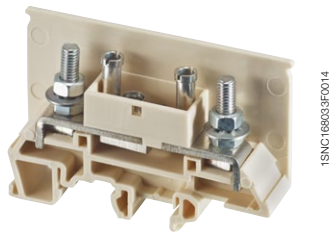
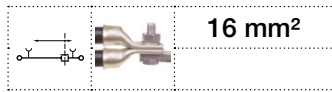
### Feed-through wire lug terminal blocks

| Description  | Color | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|-------|-------------|-----------------|---------|------------------|
| Feed-through | Grey  | 165LTTM5TM5 | 1SNA216110R2200 | 25      | 40.00            |

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

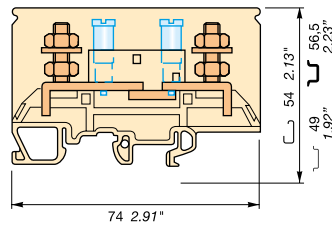
# 165ETTM5TM5 ring lug terminal blocks

## Test disconnect with a screwdriver sliding link - 16 mm 0.630 in spacing



165ETTM5TM5

5



16 mm 0.630 in spacing

### Description

- Secure your disconnect operations with the disconnect sliding link operated with a screwdriver,
- Ease your test operations with the 2 independent built-in test sockets compatible with DIA 4 mm 0.157 in test plugs,
- Two stud terminal block for ring lug connection,
- Profile aligned with terminal blocks type 165LTTM5TM5.

### Ordering details

| Description  | Color                          | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------------------------|---------------|-----------------|---------|------------------|
| <b>Disconnect</b><br>With 2 studs<br>M5 x 18 fitted<br>with 2 nuts + 1 washer,<br>with test sockets<br>DIA 4 mm 0.157 in | Beige <input type="checkbox"/> | 165ETTM5TM5-2 | 1SNA296117R1600 | 25      | 51.00            |

### Main technical data

|                                  | NFC                | DIN | UL   | CSA |
|----------------------------------|--------------------|-----|------|-----|
| <b>Lugs</b>                      |                    |     |      |     |
| Rigid - Solid / Stranded         | 16 mm <sup>2</sup> |     |      |     |
| Flexible                         | 16 mm <sup>2</sup> |     |      |     |
| Gauge                            |                    |     |      |     |
| <b>Rated current</b>             | 76 A               |     |      |     |
| <b>Rated cross section</b>       | 16 mm <sup>2</sup> |     |      |     |
| <b>Rated voltage</b>             | 800 V              |     |      |     |
| <b>Impulse withstand voltage</b> | 8000 V             |     |      |     |
| <b>Protection</b>                | IP00               |     | NEMA |     |

### Mounting instructions

|                       |  |                                  |
|-----------------------|--|----------------------------------|
| Rail                  |  | G32, TH 35-7.5,<br>TH 35-15      |
| Lugs                  |  | Wrench                           |
| Tool                  |  | H8 mm<br>0.310 in                |
| Torque                |  | 2 - 4 N.m<br>17.7 - 35.4 lb.in   |
| Disconnect device     |  | Flat screwdriver                 |
| Tool                  |  | Ø 4 mm<br>Ø 0.157 in             |
| Torque                |  | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in |
| Wire stripping length |  |                                  |

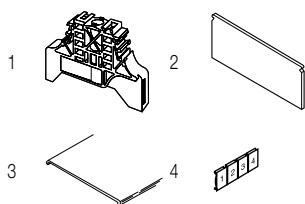
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|  |      |  |        |
|--|------|--|--------|
|  | RoHS |  | Gost-R |
|--|------|--|--------|

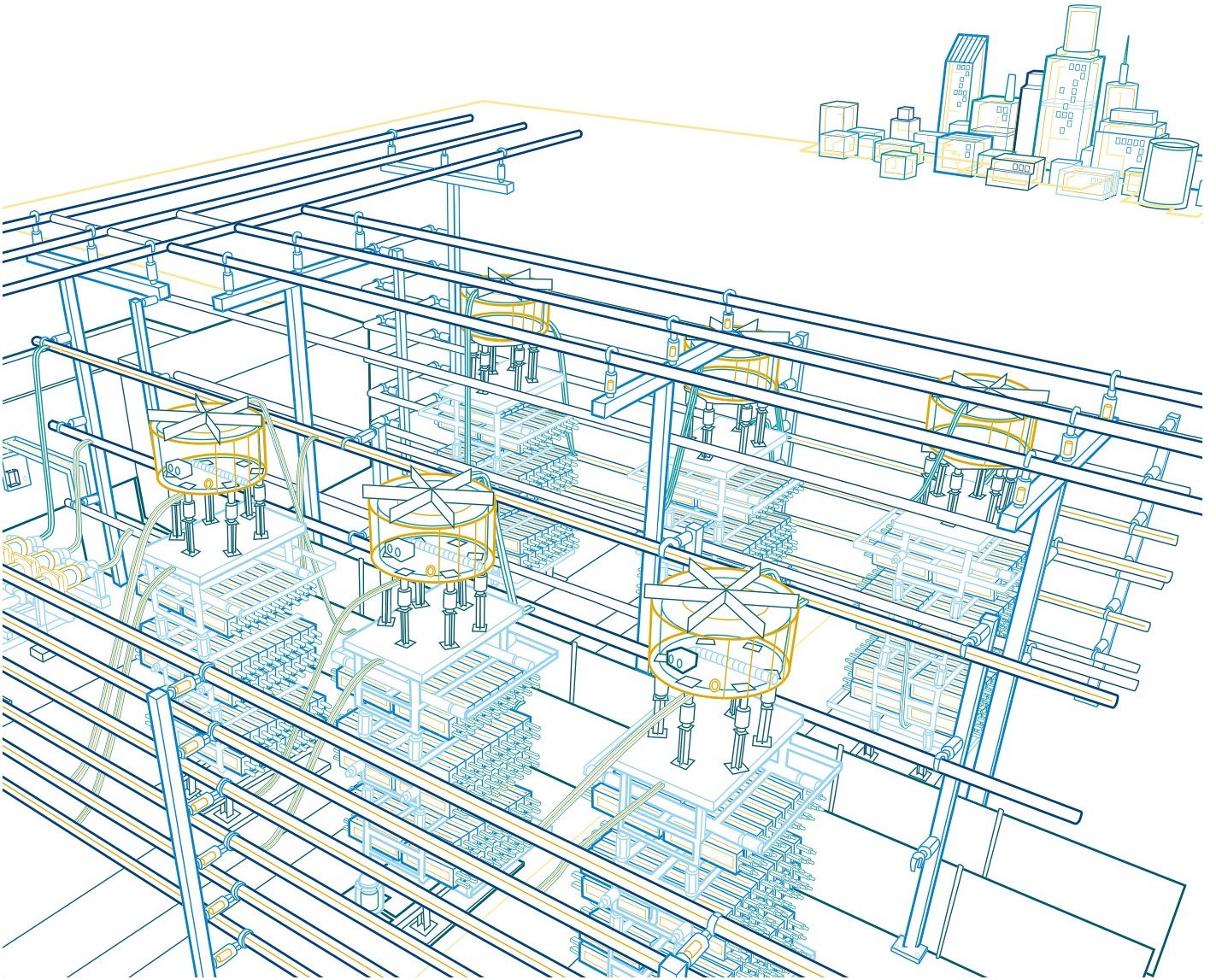
### Accessories

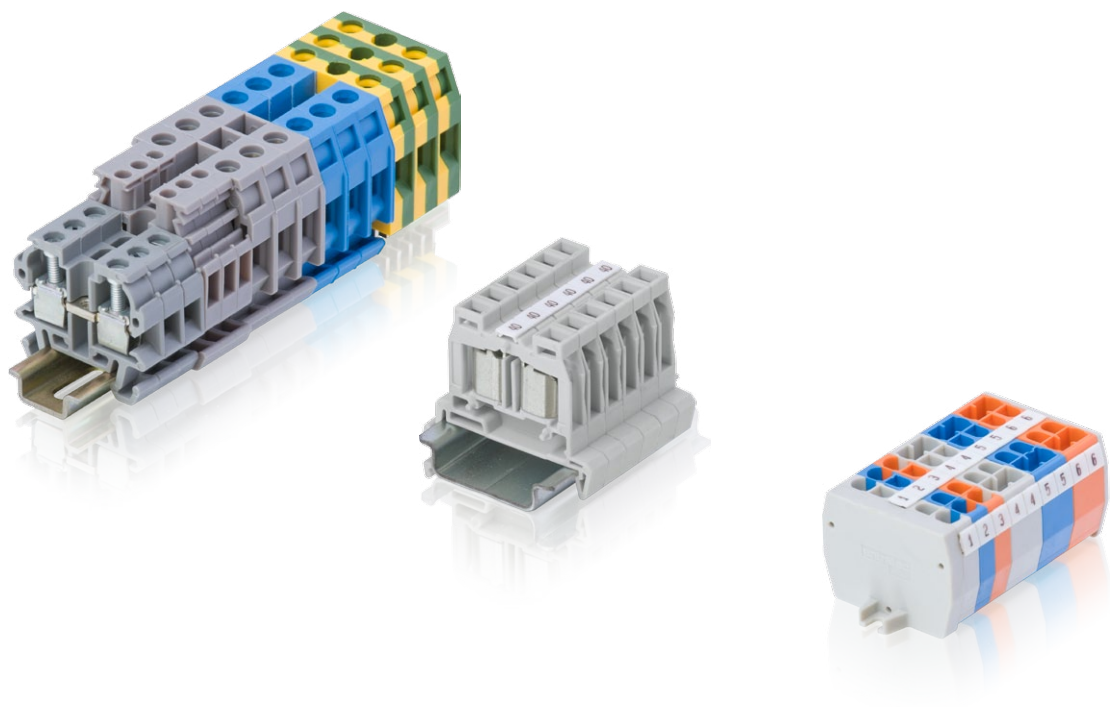
| Description                     | Color                          | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------|--------------------------------|--------|-----------------|---------|------------------|
| <b>1 End stops</b>              | Grey <input type="checkbox"/>  | BAM2   | 1SNA206351R1600 | 50      | 12.00            |
|                                 |                                | BADL   | 1SNA399903R0200 | 50      | 4.70             |
| <b>2 End sections</b>           | Beige <input type="checkbox"/> | FEET80 | 1SNA296114R1300 | 10      | 7.20             |
| <b>3 Protecting covers</b>      |                                | CPE80  | 1SNA280093R2600 | 1       | 103.00           |
| <b>4 Terminal block markers</b> |                                | REH3   | 1SNA163155R2600 | 1       | 20.00            |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.







# Solution series, terminal blocks

## Miniblocks



Overview 104

### Screw clamp technology

|                   |                               |                  |     |
|-------------------|-------------------------------|------------------|-----|
| <b>Rail TH 35</b> |                               |                  |     |
| Feed-through      | 4 mm <sup>2</sup> / 10-12 AWG | <b>MS4/6</b>     | 106 |
|                   | 6 mm <sup>2</sup> / 8 AWG     | <b>MS6/8</b>     | 107 |
| <b>Rail TH 15</b> |                               |                  |     |
| Feed-through      | 1.5 mm <sup>2</sup> / 12 AWG  | <b>DR1.5/4</b>   | 108 |
|                   |                               | <b>DR1.5/5</b>   | 109 |
|                   | 4 mm <sup>2</sup> / 10-12 AWG | <b>DR4/6</b>     | 111 |
| Ground            | 4 mm <sup>2</sup> / 10-12 AWG | <b>DR4/6.P</b>   | 113 |
| Disconnect        | 2.5 mm <sup>2</sup> / 12 AWG  | <b>DR2.5/5.S</b> | 114 |
| Fuse              | 4 mm <sup>2</sup> / 12 AWG    | <b>DR4/8.SF</b>  | 115 |

### Spring clamp technology

|                      |                              |                      |   |
|----------------------|------------------------------|----------------------|---|
| <b>Rail TH 35</b>    |                              |                      |   |
| Feed-through         | 2.5 mm <sup>2</sup> / 12 AWG | <b>DS2.5/5.2L</b>    | 2 connections 116                       |
|                      |                              | <b>DS2.5/10.4L</b>   | 4 connections 117                       |
| <b>Rail TH 15</b>    |                              |                      |   |
| Feed-through         | 2.5 mm <sup>2</sup> / 12 AWG | <b>DR2.5/5.2L</b>    | 2 connections 118                       |
|                      |                              | <b>DR2.5/10.4L</b>   | 4 connections 119                       |
| Ground               | 2.5 mm <sup>2</sup> / 12 AWG | <b>DR2.5/10.P.4L</b> | 4 connections 120                       |
| <b>Base mounting</b> |                              |                      |   |
| Feed-through         | 2.5 mm <sup>2</sup> / 12 AWG | <b>DB2.5/5.2L</b>    | 2 connections with flanges mounting 121 |
|                      |                              | <b>DH2.5/5.2L</b>    | 2 connections with snap in foot 122     |

### ADO / screw clamp technology

|                      |                              |                                       |                           |
|----------------------|------------------------------|---------------------------------------|---------------------------|
| <b>Rail TH 35</b>    |                              |                                       |                           |
| Feed-through         | 1 mm <sup>2</sup> / 18 AWG   | <b>DS2.5/5.ADO &amp; DSE2.5/5.ADO</b> | 123                       |
|                      | 1.5 mm <sup>2</sup> / 16 AWG | <b>DS4/6.ADO &amp; DSE4/6.ADO</b>     | 124                       |
|                      | 2.5 mm <sup>2</sup> / 14 AWG | <b>DS4/8.ADO &amp; DSE4/8.ADO</b>     | 125                       |
| Ground               | 2.5 mm <sup>2</sup> / 14 AWG | <b>DS4/8.P.ADO</b>                    | 126                       |
| <b>Rail TH 15</b>    |                              |                                       |                           |
| Feed-through         | 1 mm <sup>2</sup> / 18 AWG   | <b>DR2.5/5.ADO &amp; DRE2.5/5.ADO</b> | 127                       |
|                      | 1.5 mm <sup>2</sup> / 16 AWG | <b>DR4/6.ADO &amp; DRE4/6.ADO</b>     | 128                       |
|                      | 2.5 mm <sup>2</sup> / 14 AWG | <b>DR4/8.ADO &amp; DRE4/8.ADO</b>     | 129                       |
| Ground               | 2.5 mm <sup>2</sup> / 14 AWG | <b>DR4/8.P.ADO</b>                    | 130                       |
| <b>Base mounting</b> |                              |                                       |                           |
| Feed-through         | 1 mm <sup>2</sup> / 18 AWG   | <b>DB2.5/5.ADO</b>                    | With flanges mounting 131 |
|                      | 1.5 mm <sup>2</sup> / 16 AWG | <b>DB4/6.ADO</b>                      | With flanges mounting 132 |
|                      | 2.5 mm <sup>2</sup> / 14 AWG | <b>DB4/8.ADO</b>                      | With flanges mounting 133 |
|                      | 1.5 mm <sup>2</sup> / 16 AWG | <b>DH4/6.ADO</b>                      | With snap in foot 134     |

### ADO / ADO technology

|                      |                              |                                       |                           |
|----------------------|------------------------------|---------------------------------------|---------------------------|
| <b>Rail TH 35</b>    |                              |                                       |                           |
| Feed-through         | 1.5 mm <sup>2</sup> / 16 AWG | <b>DS1.5/6.ADO &amp; DSE1.5/6.ADO</b> | 135                       |
|                      | 2.5 mm <sup>2</sup> / 14 AWG | <b>DS2.5/8.ADO &amp; DSE2.5/8.ADO</b> | 136                       |
| Ground               | 2.5 mm <sup>2</sup> / 14 AWG | <b>DS2.5/8.P.ADO</b>                  | 137                       |
| <b>Rail TH 15</b>    |                              |                                       |                           |
| Feed-through         | 1 mm <sup>2</sup> / 18 AWG   | <b>DR1/5.ADO &amp; DRE1/5.ADO</b>     | 138                       |
|                      | 1.5 mm <sup>2</sup> / 16 AWG | <b>DR1.5/6.ADO &amp; DRE1.5/6.ADO</b> | 139                       |
|                      | 2.5 mm <sup>2</sup> / 14 AWG | <b>DR2.5/8.ADO &amp; DRE2.5/8.ADO</b> | 140                       |
| Ground               | 2.5 mm <sup>2</sup> / 14 AWG | <b>DR2.5/8.P.ADO</b>                  | 141                       |
| <b>Base mounting</b> |                              |                                       |                           |
| Feed-through         | 1.5 mm <sup>2</sup> / 16 AWG | <b>DB1.5/6.ADO</b>                    | With flanges mounting 142 |
|                      | 2.5 mm <sup>2</sup> / 14 AWG | <b>DB2.5/8.ADO</b>                    | With flanges mounting 143 |
|                      | 1.5 mm <sup>2</sup> / 16 AWG | <b>DH1.5/6.ADO</b>                    | With snap in foot 144     |

# Solution series, terminal blocks

## Miniblocks

### Screw clamp technology



| Section             |           | Feed-through           | Ground                   | Disconnect                    | Fuse                      |
|---------------------|-----------|------------------------|--------------------------|-------------------------------|---------------------------|
| IEC                 | UL/CSA    |                        |                          |                               |                           |
| 1.5 mm <sup>2</sup> | 12 AWG    |                        | DR1.5/4<br>4 mm 0.157 in |                               |                           |
| 1.5 mm <sup>2</sup> | 12 AWG    |                        | DR1.5/5<br>5 mm 0.197 in |                               |                           |
| 2.5 mm <sup>2</sup> | 12 AWG    |                        |                          | DR2.5/5 S<br>5.08 mm 0.200 in |                           |
| 4 mm <sup>2</sup>   | 10-12 AWG | MS4/6<br>6 mm 0.236 in | DR4/6<br>6 mm 0.236 in   | DR4/6.P<br>6 mm 0.236 in      | DR4/8.SF<br>8 mm 0.315 in |
| 6 mm <sup>2</sup>   | 8 AWG     | MS6/8<br>8 mm 0.315 in |                          |                               |                           |
| Rail / mounting     |           | TH 35                  | TH 15                    | TH 15                         | TH 15                     |

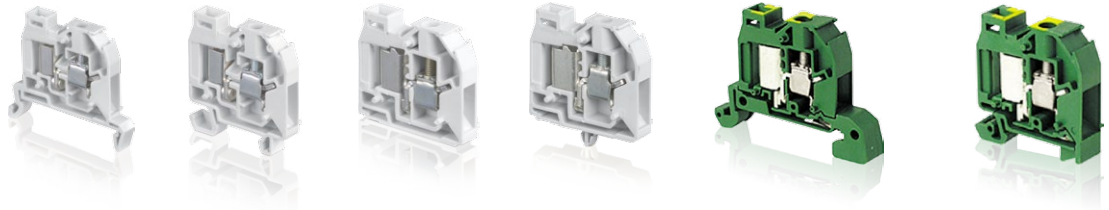
### Spring clamp technology



| Section             |        | Feed-through                  |                               |                             |                             | Ground                          |
|---------------------|--------|-------------------------------|-------------------------------|-----------------------------|-----------------------------|---------------------------------|
| IEC                 | UL/CSA |                               |                               |                             |                             |                                 |
| 2.5 mm <sup>2</sup> | 12 AWG | DS2.5/5.2L<br>5 mm 0.197 in   | DR2.5/5.2L<br>5 mm 0.197 in   | DB2.5/5.2L<br>5 mm 0.197 in | DH2.5/5.2L<br>5 mm 0.197 in |                                 |
| 2.5 mm <sup>2</sup> | 12 AWG | DS2.5/10.4L<br>10 mm 0.394 in | DR2.5/10.4L<br>10 mm 0.394 in |                             |                             | DR2.5/10.P.4L<br>10 mm 0.394 in |
| Rail / mounting     |        | TH 35                         | TH 15                         | BASE                        | BASE                        | TH 15                           |



All the technical data for UL/CSA standard and dimensions in inches are in italic.

## ADO / screw clamp technology



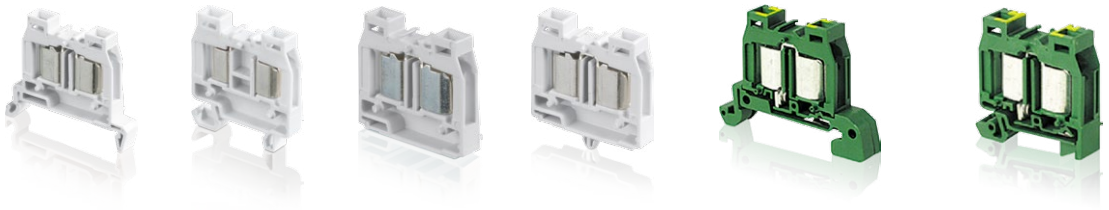
Feed-through

Ground

| Section             |        |  |                                     |                                     |                                   |  |                                     |
|---------------------|--------|---|-------------------------------------|-------------------------------------|-----------------------------------|---|-------------------------------------|
| IEC                 | UL/CSA |   |                                     |                                     |                                   |   |                                     |
| 1 mm <sup>2</sup>   | 18 AWG | DS2.5/5.ADO<br><i>5 mm 0.197 in</i>   | DR2.5/5.ADO<br><i>5 mm 0.197 in</i> | DB2.5/5.ADO<br><i>5 mm 0.197 in</i> |                                   |   |                                     |
| 1.5 mm <sup>2</sup> | 16 AWG | DS4/6.ADO<br><i>6 mm 0.236 in</i>   | DR4/6.ADO<br><i>6 mm 0.236 in</i>   | DB4/6.ADO<br><i>6 mm 0.236 in</i>   | DH4/6.ADO<br><i>6 mm 0.236 in</i> |   |                                     |
| 2.5 mm <sup>2</sup> | 14 AWG | DS4/8.ADO<br><i>8 mm 0.315 in</i>   | DR4/8.ADO<br><i>8 mm 0.315 in</i>   | DB4/8.ADO<br><i>8 mm 0.315 in</i>   |                                   | DS4/8.P.ADO<br><i>8 mm 0.315 in</i>   | DR4/8.P.ADO<br><i>8 mm 0.315 in</i> |
| Rail / mounting     |        | TH 35   | TH 15                               | BASE                                | BASE                              | TH 35   | TH 15                               |



6

## ADO / ADO technology



Feed-through

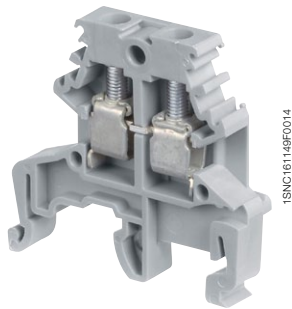
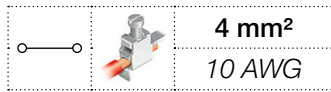
Ground

| Section             |        |  |                                     |                                     |                                     |  |                                       |
|---------------------|--------|---|-------------------------------------|-------------------------------------|-------------------------------------|---|---------------------------------------|
| IEC                 | UL/CSA |   |                                     |                                     |                                     |   |                                       |
| 1 mm <sup>2</sup>   | 18 AWG |   | DR1/5.ADO<br><i>5 mm 0.197 in</i>   |                                     |                                     |   |                                       |
| 1.5 mm <sup>2</sup> | 16 AWG | DS1.5/6.ADO<br><i>6 mm 0.236 in</i>   | DR1.5/6.ADO<br><i>6 mm 0.236 in</i> | DB1.5/6.ADO<br><i>6 mm 0.236 in</i> | DH1.5/6.ADO<br><i>6 mm 0.236 in</i> |   |                                       |
| 2.5 mm <sup>2</sup> | 14 AWG | DS2.5/8.ADO<br><i>8 mm 0.315 in</i>   | DR2.5/8.ADO<br><i>8 mm 0.315 in</i> | DB2.5/8.ADO<br><i>8 mm 0.315 in</i> |                                     | DS2.5/8.P.ADO<br><i>8 mm 0.315 in</i>   | DR2.5/8.P.ADO<br><i>8 mm 0.315 in</i> |
| Rail / mounting     |        | TH 35   | TH 15                               | BASE                                | BASE                                | TH 35   | TH 15                                 |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*.

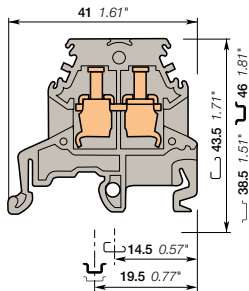
# MS4/6 screw clamp terminal blocks

## Miniblocks - 6 mm 0.236 in spacing



MS4/6

1SNC161149F0014



6 mm 0.236 in spacing

### Description

- Save space with compact over-all dimensions terminal block,
- Flexibility: snap onto symmetrical and asymmetrical rails.

### Ordering details

| Description             | Color  | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------|--------|---------|-----------------|---------|------------------|
| Miniblocks Feed-through | Grey   | MS4/6   | 1SNA115265R2400 | 100     | 6.00             |
|                         | Blue   | MS4/6.N | 1SNA125265R2600 | 100     | 6.00             |
|                         | Yellow | MS4/6   | 1SNA105265R0300 | 100     | 6.00             |

### Main technical data

|   | IEC                             | UL                     | CSA           |
|---|---------------------------------|------------------------|---------------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>  | 22-10 AWG     |
|   | Flexible with insulated ferrule | 0.22-4 mm <sup>2</sup> |               |
|   | Gauge                           | A4                     |               |
| Rated current / Rated cross section     | 32 A / 4 mm <sup>2</sup>        | 30 A / 10 AWG          | 25 A / 12 AWG |
| Rated short-time withstand current (1s) | 480 A                           |                        |               |
| Rated voltage                           | 630 V                           | 600 V                  | 300 V         |
| Impulse withstand voltage               | 4000 V                          |                        |               |
| Protection                              | IP20                            | NEMA 1                 |               |

### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | G32, TH 35-7.5, TH 35-15                 |
| Wire stripping length |  | 10 mm<br>0.39 in                         |
| Tool                  |  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Torque                |  | 0.5 - 0.8 Nm<br>4.4 - 7.1 lb.in          |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |    |     |        |
|----|------|----|-----|--------|
| CE | RoHS | UL | CSA | Gost R |
| CE | RoHS | UL | CSA | Gost R |

### Accessories

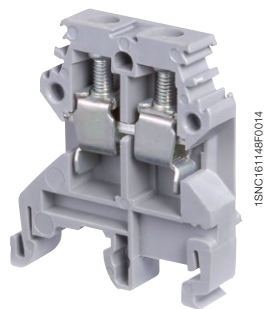
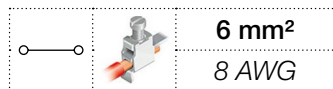
| Description              | Color       | Type     | Order code      | Pkg pce         | Weight (1 pce) g |      |
|--------------------------|-------------|----------|-----------------|-----------------|------------------|------|
| 1 End stops              | Grey        | BAM2     | 1SNA206351R1600 | 50              | 12.00            |      |
|                          |             | BADL     | 1SNA399903R0200 | 50              | 4.70             |      |
| 2 End sections           | Grey        | FEMS6    | 1SNA113885R0100 | 20              | 1.80             |      |
| 3 Lateral jumper bars    | Grey        | 2 poles  | PC6-2           | 1SNA113546R1400 | 10               | 2.00 |
|                          |             | 3 poles  | PC6-3           | 1SNA116536R0500 | 10               | 2.00 |
|                          |             | 4 poles  | PC6-4           | 1SNA116537R0600 | 10               | 1.00 |
|                          |             | 10 poles | PC6-10          | 1SNA113548R2600 | 10               | 8.00 |
|                          |             | EIP      | 1SNA113550R2400 | 10              |                  |      |
| 4 Insulating tips        | Grey        | SCFEX3   | 1SNA103620R0100 | 10              | 30.00            |      |
|                          |             | SCFCV1-2 | 1SNA116795R1100 | 10              | 8.00             |      |
| 5 Circuit separators     | Grey        | 2.4 mm   | 0.094 in        |                 |                  |      |
|                          |             | 3 mm     | 0.118 in        |                 |                  |      |
| 6 Test adapters          | Yellow      | DCJ      | 1SNA173059R0300 | 10              | 2.40             |      |
| 7 Test plugs             | Black       | FC2      | 1SNA007865R2600 | 100             |                  |      |
| 8 Protecting covers      | Transparent | CPV1-2   | 1SNA176816R1200 | 1               |                  |      |
| 9 Terminal block markers | White       | RC610    | 1SNA233000R0100 | 1               | 7.50             |      |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

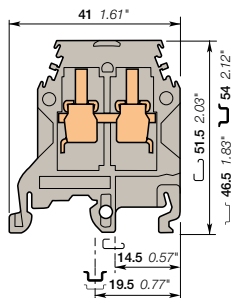
All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

# MS6/8 screw clamp terminal blocks

## Miniblocks - 8 mm 0.315 in spacing



MS6/8



8 mm 0.315 in spacing

### Description

- Save space with compact over-all dimensions terminal block,
- Flexibility: snap onto symmetrical and asymmetrical rails.

### Ordering details

| Description             | Color                         | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------|-------------------------------|---------|-----------------|---------|------------------|
| Miniblocks Feed-through | Grey <input type="checkbox"/> | MS6/8   | 1SNA115278R0100 | 50      | 12.00            |
|                         | Blue <input type="checkbox"/> | MS6/8.N | 1SNA125278R0300 | 50      | 12.00            |

### Main technical data

|   |                                 | IEC                      | UL           | CSA          |
|---|---------------------------------|--------------------------|--------------|--------------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.5-10 mm <sup>2</sup>   | 22-8 AWG     | 20-8 AWG     |
|   | Flexible with insulated ferrule | 0.5-6 mm <sup>2</sup>    |              |              |
|   | Gauge                           | A5                       |              |              |
| Rated current / Rated cross section     |                                 | 41 A / 6 mm <sup>2</sup> | 50 A / 8 AWG | 40 A / 8 AWG |
| Rated short-time withstand current (1s) |                                 | 720 A                    |              |              |
| Rated voltage                           |                                 | 500 V                    | 300 V        | 300 V        |
| Impulse withstand voltage               |                                 | 6000 V                   |              |              |
| Protection                              |                                 | IP20                     | NEMA 1       |              |

### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | G32, TH 35-7.5, TH 35-15                             |
| Wire stripping length |  | 12 mm<br>0.47 in                                     |
| Tool                  |  | Flat screwdriver<br>Ø 4 - 5 mm<br>Ø 0.157 - 0.197 in |
| Torque                |  | 0.8 - 1 Nm<br>7.1 - 8.9 lb.in                        |

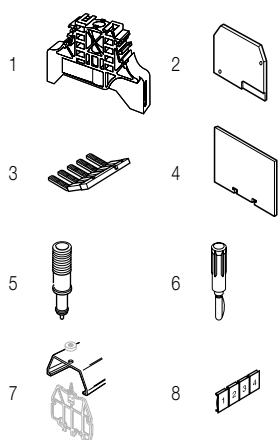
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |    |     |        |
|----|------|----|-----|--------|
|    |      |    |     |        |
| CE | RoHS | UL | CSA | Gost R |

### Accessories

| Description              | Color                                | Type     | Order code      | Pkg pce         | Weight (1 pce) g |       |
|--------------------------|--------------------------------------|----------|-----------------|-----------------|------------------|-------|
| 1 End stops              | Grey <input type="checkbox"/>        | BAM2     | 1SNA206351R1600 | 50              | 12.00            |       |
|                          |                                      | BADL     | 1SNA399903R0200 | 50              | 4.70             |       |
| 2 End sections           | Grey <input type="checkbox"/>        | FEMS8    | 1SNA114195R0600 | 25              | 1.90             |       |
| 3 Lateral jumper bars    | Grey <input type="checkbox"/>        | 2 poles  | PC8-2           | 1SNA116538R1700 | 10               | 3.00  |
|                          |                                      | 3 poles  | PC8-3           | 1SNA116539R1000 | 10               | 4.00  |
|                          |                                      | 4 poles  | PC8-4           | 1SNA116540R2500 | 10               | 6.00  |
|                          |                                      | 10 poles | PC8-10          | 1SNA163313R2400 | 10               | 14.00 |
| 4 Circuit separators     | Grey <input type="checkbox"/>        | 2.4 mm   | SCFEX3          | 1SNA103620R0100 | 10               | 30.00 |
|                          |                                      | 3 mm     | SCFCV1-2        | 1SNA116795R1100 | 10               | 8.00  |
| 5 Test adapters          | Orange <input type="checkbox"/>      | DCO      | 1SNA173060R0000 | 10              | 2.30             |       |
| 6 Test plugs             | Black <input type="checkbox"/>       | FC2      | 1SNA007865R2600 | 100             |                  |       |
| 7 Protecting covers      | Transparent <input type="checkbox"/> | CPV1-2   | 1SNA176816R1200 | 1               |                  |       |
| 8 Terminal block markers | White <input type="checkbox"/>       | RC810    | 1SNA234000R0200 | 1               | 8.20             |       |

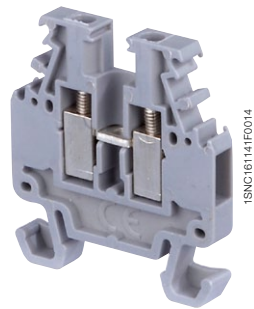
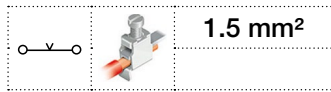
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

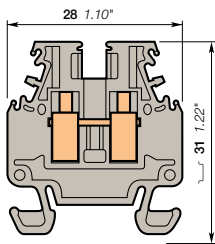
# DR1.5/4 screw clamp terminal blocks

## Miniblocks - 4 mm 0.157 in spacing

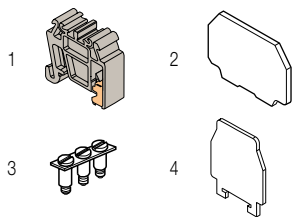


DR1.5/4

6



4 mm 0.157 in spacing



### Description

Save space with compact over-all dimensions terminal block.

### Ordering details

| Description             | Color                         | Type    | Order code      | Pkg<br>pce | Weight<br>(1 pce) g |
|-------------------------|-------------------------------|---------|-----------------|------------|---------------------|
| Miniblocks Feed-through | Grey <input type="checkbox"/> | DR1.5/4 | 1SNA110106R2500 | 50         | 3.00                |

### Main technical data

|   |                                 | IEC                          | UL | CSA | Mounting instructions |   |
|---|---------------------------------|------------------------------|----|-----|-----------------------|---|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-1.5 mm <sup>2</sup>      |    |     | Rail                  | TH 15-5.5                                 |
|   | Flexible with insulated ferrule | 0.22-1.5 mm <sup>2</sup>     |    |     | Wire stripping length | 7 mm<br>0.275 in                          |
|   | Gauge                           | A1                           |    |     | Tool                  | Flat screwdriver<br>Ø 2.5 mm<br>Ø 0.98 in |
| Rated current / Rated cross section     |                                 | 17.5 A / 1.5 mm <sup>2</sup> |    |     | Torque                | 0.4 - 0.6 Nm<br>3.5 - 5.3 lb.in           |
| Rated short-time withstand current (1s) |                                 | 180 A                        |    |     |                       |   |
| Rated voltage                           |                                 | 500 V                        |    |     |                       |   |
| Impulse withstand voltage               |                                 | 6000 V                       |    |     |                       |   |
| Protection                              |                                 | IP20 NEMA 1                  |    |     |                       |   |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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| CE | RoHS | Gost R |  |  |  |  |  |  |  |
|----|------|--------|--|--|--|--|--|--|--|

### Accessories

| Description                          | Color                          | Type   | Order code      | Pkg<br>pce | Weight<br>(1 pce) g |
|--------------------------------------|--------------------------------|--------|-----------------|------------|---------------------|
| 1 End stops 6.5 mm 0.256 in          | Grey <input type="checkbox"/>  | BADRL  | 1SNA199420R2100 | 50         | 2.00                |
| 2 End sections 1 mm 0.039 in         | Grey <input type="checkbox"/>  | FED2-4 | 1SNA215580R2100 | 25         | 1.40                |
| 3 Jumper bars 2 poles 17.5 A         |                                | BJM4   | 1SNA205735R0600 | 10         | 1.00                |
|                                      |                                |        | 1SNA205736R0700 | 10         | 2.00                |
|                                      |                                |        | 1SNA205737R0000 | 10         | 3.00                |
|                                      |                                |        | 1SNA205738R1100 | 10         | 6.00                |
| 4 Circuit separators 0.3 mm 0.012 in | White <input type="checkbox"/> | SCDR61 | 1SNA173016R1000 | 25         | 0.40                |
| 5 Terminal block markers Blank card  | White <input type="checkbox"/> | RC410  | 1SNA229000R1500 | 1          | 5.16                |

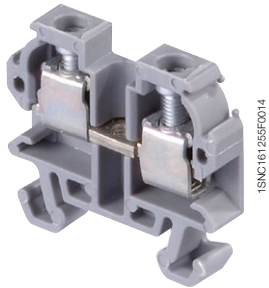
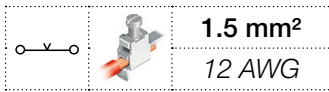
Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

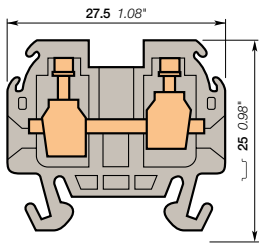
All the technical data for UL/CSA standard and dimensions in inches are in italic.  
Technical data valid for copper conductors only.

# DR1.5/5 screw clamp terminal blocks

## Miniblocks - 5 mm 0.197 in spacing



DR1.5/5



5 mm 0.197 in spacing

### Description

Save space with compact over-all dimensions terminal block.

### Ordering details

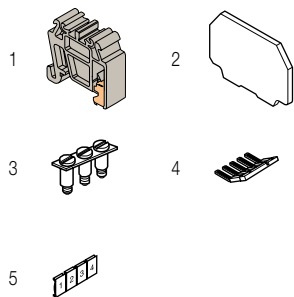
| Description             | Color                         | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------|-------------------------------|---------|-----------------|---------|------------------|
| Miniblocks Feed-through | Grey <input type="checkbox"/> | DR1.5/5 | 1SNA115510R1600 | 100     | 5.00             |

### Main technical data

|  | IEC   | UL  | CSA           | Mounting instructions |  |
|--|---|---|---------------|-----------------------|--|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.2-2.5 mm <sup>2</sup><br>0.22-1.5 mm <sup>2</sup> | 28 - 12 AWG   | 28 - 14 AWG           | Rail<br>TH 15-5.5                          |
| <b>Rated current / Rated cross section</b>     | 20 A / 1.5 mm <sup>2</sup>  | 20 A / 12 AWG                                       | 20 A / 14 AWG | Wire stripping length | 8.5 mm<br>0.335 in                         |
| <b>Rated short-time withstand current (1s)</b> | 180 A   |   |               | Tool                  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| <b>Rated voltage</b>                           | 250 V   | 300 V   | 300 V         | Torque                | 0.4 - 0.6 Nm<br>3.5 - 5.3 lb.in            |
| <b>Impulse withstand voltage</b>               |   |   |               |                       |  |
| <b>Protection</b>                              | IP20  | NEMA 1  |               |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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### Accessories

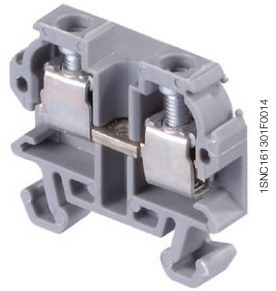
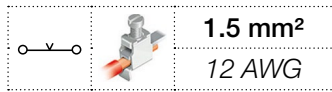
| Description                                | Color                          | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------------------------|---------|-----------------|---------|------------------|
| 1 <b>End stops</b> 6.5 mm 0.256 in         | Grey <input type="checkbox"/>  | BADRL   | 1SNA199420R2100 | 50      | 2.00             |
| 2 <b>End sections</b> 1 mm 0.039 in        | Grey <input type="checkbox"/>  | FEDR5   | 1SNA117318R2300 | 25      | 0.80             |
| 3 <b>Jumper bars</b> 2 poles 24 A          |                                | BJMI5DR | 1SNA176704R0200 | 10      | 2.00             |
| 3 poles                                    |                                |         | 1SNA176705R0300 | 10      | 3.00             |
| 4 poles                                    |                                |         | 1SNA176706R0400 | 10      | 4.00             |
| 10 poles                                   |                                |         | 1SNA176708R1600 | 10      | 12.00            |
| 4 <b>Lateral jumper bars</b> 10 poles 25 A |                                | PC51-10 | 1SNA167908R0600 | 10      | 5.00             |
| 5 <b>Terminal block markers</b> Blank card | White <input type="checkbox"/> | RC55    | 1SNA230000R1200 | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

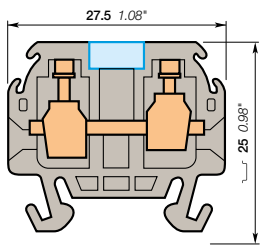
# DR1.5/5 screw clamp terminal blocks

## Miniblocks - 5 mm 0.197 in spacing



DR1.5/5

6



5 mm 0.197 in spacing

### Description

Save space with compact over-all dimensions terminal block.

### Ordering details

| Description                            | Color                         | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|-----------|-----------------|---------|------------------|
| Miniblocks Feed-through with partition | Grey <input type="checkbox"/> | DR1.5/5.1 | 1SNA112086R0200 | 100     | 5.00             |

### Main technical data

|  | IEC   | UL  | CSA           |
|--|---|---|---------------|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.2-2.5 mm <sup>2</sup><br>0.22-1.5 mm <sup>2</sup> | 28-14 AWG     |
| <b>Rated current / Rated cross section</b>     | 20 A / 1.5 mm <sup>2</sup>  |   | 20 A / 14 AWG |
| <b>Rated short-time withstand current (1s)</b> | 180 A   |   |               |
| <b>Rated voltage</b>                           | 250 V   |   | 300 V         |
| <b>Impulse withstand voltage</b>               |   |   |               |
| <b>Protection</b>                              | IP20  | NEMA 1  |               |

### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | TH 15-5.5                                  |
| Wire stripping length |  | 8.5 mm<br>0.335 in                         |
| Tool                  |  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| Torque                |  | 0.4 - 0.6 Nm<br>3.5 - 5.3 lb.in            |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

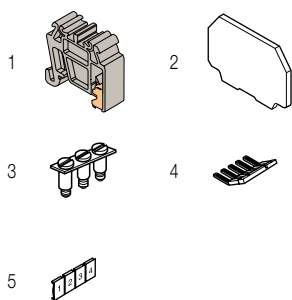
|  |  |  |  |
|--|--|--|--|
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### Accessories

| Description                                | Color                          | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------------------------|---------|-----------------|---------|------------------|
| 1 <b>End stops</b> 6.5 mm                  | Grey <input type="checkbox"/>  | BADRL   | 1SNA199420R2100 | 50      | 2.00             |
| 2 <b>End sections</b> 1 mm                 | Grey <input type="checkbox"/>  | FEDR5   | 1SNA117318R2300 | 25      | 0.80             |
| 3 <b>Jumper bars</b> 2 poles 24 A          |                                | BJM15DR | 1SNA176704R0200 | 10      | 2.00             |
| 3 poles                                    |                                |         | 1SNA176705R0300 | 10      | 3.00             |
| 4 poles                                    |                                |         | 1SNA176706R0400 | 10      | 4.00             |
| 10 poles                                   |                                |         | 1SNA176708R1600 | 10      | 12.00            |
| 20 poles                                   |                                | BJS5-20 | 1SNA177652R0600 | 10      | 4.00             |
| 4 <b>Lateral jumper bars</b> 10 poles 25 A |                                | PC51-10 | 1SNA167908R0600 | 10      | 5.00             |
| 5 <b>Terminal block markers</b> Blank card | White <input type="checkbox"/> | RC55    | 1SNA230000R1200 | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

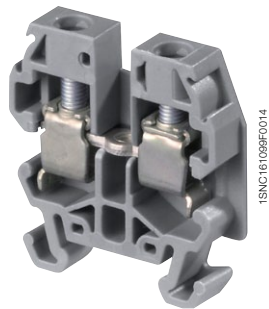
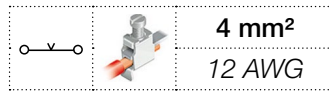


All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

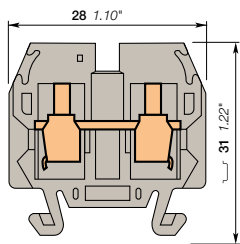


# DR4/6 screw clamp terminal blocks

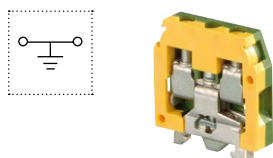
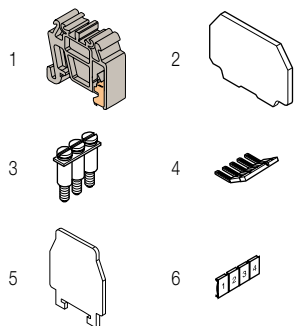
## Miniblocks - 6 mm 0.236 in spacing



DR4/6



6 mm 0.236 in spacing



### Description

Save space with compact over-all dimensions terminal block.

### Ordering details

| Description             | Color                         | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------|-------------------------------|---------|-----------------|---------|------------------|
| Miniblocks Feed-through | Grey <input type="checkbox"/> | DR4/6   | 1SNA110251R0500 | 50      | 6.00             |
|                         | Blue <input type="checkbox"/> | DR4/6.N | 1SNA120251R0700 | 50      | 6.00             |

### Main technical data

|   |                                 | IEC                      | UL            | CSA           | Mounting instructions |                                    |
|---|---------------------------------|--------------------------|---------------|---------------|-----------------------|------------------------------------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>    | 22 - 12 AWG   | 28-10 AWG     | Rail                  | TH 15-5.5                          |
|   | Flexible with insulated ferrule | 0.22-4 mm <sup>2</sup>   |               |               | Wire stripping length | 9.5 mm 0.37 in                     |
|   | Gauge                           |                          |               |               | Tool                  | Flat screwdriver Ø 4 mm Ø 0.157 in |
| Rated current / Rated cross section     |                                 | 30 A / 4 mm <sup>2</sup> | 20 A / 12 AWG | 25 A / 10 AWG | Torque                | 0.5 - 0.8 Nm 4.4 - 7.1 lb.in       |
| Rated short-time withstand current (1s) |                                 | 480 A                    |               |               |                       |                                    |
| Rated voltage                           |                                 | 500 V                    | 250 V         | 600 V         |                       |                                    |
| Impulse withstand voltage               |                                 |                          |               |               |                       |                                    |
| Protection                              |                                 | IP20                     | NEMA 1        |               |                       |                                    |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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### Accessories

| Description                          | Color                          | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------------|--------------------------------|---------|-----------------|---------|------------------|
| 1 End stops 6.5 mm 0.256 in          | Grey <input type="checkbox"/>  | BADRL   | 1SNA199420R2100 | 50      | 2.00             |
| 2 End sections 1 mm 0.039 in         | Grey <input type="checkbox"/>  | FEDR61  | 1SNA117600R0300 | 25      | 0.80             |
| 3 Jumper bars 2 poles 32 A           |                                | BJM62   | 1SNA173217R2600 | 10      | 2.00             |
|                                      |                                |         | 1SNA173218R0700 | 10      | 3.00             |
|                                      |                                |         | 1SNA173219R0000 | 10      | 4.00             |
|                                      |                                |         | 1SNA173226R2700 | 10      | 10.00            |
| 4 Lateral jumper bars 10 poles 35 A  |                                | PC61-10 | 1SNA163311R2200 | 10      | 5.00             |
| 5 Circuit separators 0.3 mm 0.012 in | White <input type="checkbox"/> | SCDR61  | 1SNA173016R1000 | 25      | 0.40             |
| 6 Terminal block markers Blank card  | White <input type="checkbox"/> | RC65    | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

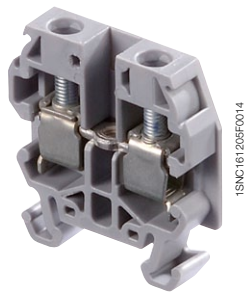
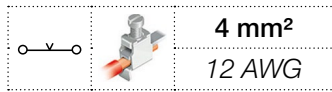
### Ground screw clamp terminal blocks

| Description                          | Color                                 | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------------|---------------------------------------|---------|-----------------|---------|------------------|
| Ground Profile aligned with DR4/6... | Green-yellow <input type="checkbox"/> | DR4/6.P | 1SNA160496R2600 | 50      | 10.00            |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

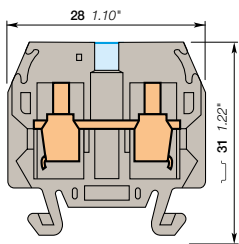
# DR4/6.1 screw clamp terminal blocks

## Miniblocks - 6 mm 0.236 in spacing

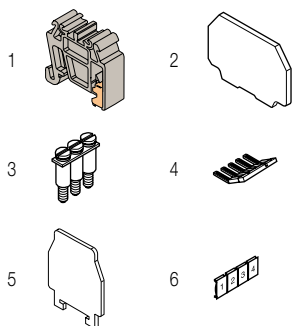


DR4/6.1

6



6 mm 0.236 in spacing



### Description

Save space with compact over-all dimensions terminal block.

### Ordering details

| Description                            | Color                         | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|-----------|-----------------|---------|------------------|
| Miniblocks Feed-through with partition | Grey <input type="checkbox"/> | DR4/6.1   | 1SNA110491R1700 | 50      | 6.00             |
| Feed-through                           | Blue <input type="checkbox"/> | DR4/6.1.N | 1SNA120491R1100 | 50      | 6.00             |

### Main technical data

|   | IEC  | UL  | CSA           |
|---|--|---|---------------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded<br>Flexible with insulated ferrule<br>Gauge | 0.2-4 mm <sup>2</sup><br>0.22-4 mm <sup>2</sup> | 28-10 AWG     |
| Rated current / Rated cross section     | 30 A / 4 mm <sup>2</sup>   |   | 25 A / 10 AWG |
| Rated short-time withstand current (1s) | 480 A  |   |               |
| Rated voltage                           | 500 V  |   | 600 V         |
| Impulse withstand voltage               |  |   |               |
| Protection                              | IP20   | NEMA 1  |               |

### Mounting instructions

|                       | Rail | TH 15-5.5                                |
|-----------------------|------|--|
| Wire stripping length |      | 9.5 mm<br>0.37 in                        |
| Tool                  |      | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Torque                |      | 0.5 - 0.8 Nm<br>4.4 - 7.1 lb.in          |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |        |        |
|----|------|--------|--------|
| CE | RoHS | cCSAus | Gost R |
|----|------|--------|--------|

### Accessories

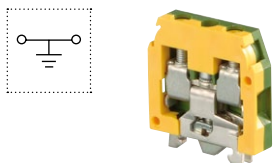
| Description                          | Color                          | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------------|--------------------------------|---------|-----------------|---------|------------------|
| 1 End stops 6.5 mm 0.256 in          | Grey <input type="checkbox"/>  | BADRL   | 1SNA199420R2100 | 50      | 2.00             |
| 2 End sections 1 mm 0.039 in         | Grey <input type="checkbox"/>  | FEDR61  | 1SNA117600R0300 | 25      | 0.80             |
| 3 Jumper bars 2 poles 32 A           |                                | BJM62   | 1SNA173217R2600 | 10      | 2.00             |
| 3 poles                              |                                |         | 1SNA173218R0700 | 10      | 3.00             |
| 4 poles                              |                                |         | 1SNA173219R0000 | 10      | 4.00             |
| 10 poles                             |                                |         | 1SNA173226R2700 | 10      | 10.00            |
| 4 Lateral jumper bars 10 poles 35 A  |                                | PC61-10 | 1SNA163311R2200 | 10      | 5.00             |
| 5 Circuit separators 0.3 mm 0.012 in | White <input type="checkbox"/> | SCDR61  | 1SNA173016R1000 | 25      | 0.40             |
| 6 Terminal block markers Blank card  | White <input type="checkbox"/> | RC65    | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

### Ground screw clamp terminal blocks

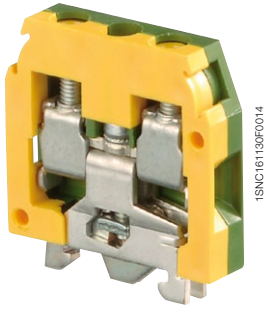
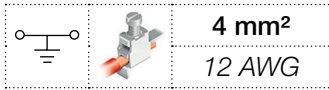
| Description                          | Color                                 | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------------|---------------------------------------|---------|-----------------|---------|------------------|
| Ground Profile aligned with DR4/6... | Green-yellow <input type="checkbox"/> | DR4/6.P | 1SNA160496R2600 | 50      | 10.00            |

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

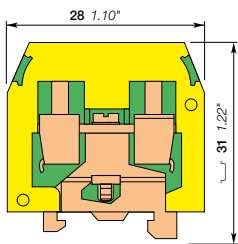


# DR4/6.P screw clamp terminal blocks

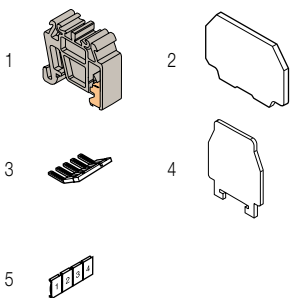
## Miniblocks - 6 mm 0.236 in spacing



DR4/6.P



6 mm 0.236 in spacing



### Description

- Save space with compact over-all dimensions terminal block,
- For DIN 2 rail,
- Reliable electrical and mechanical contact with the rail.

### Ordering details

| Description                      | Color        | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|----------------------------------|--------------|---------|-----------------|---------|------------------|
| Ground Screwless rail connection | Green-yellow | DR4/6.P | 1SNA160496R2600 | 50      | 10.00            |

### Main technical data

|   |                                 | IEC                    | UL        | CSA       | Mounting instructions |  |
|---|---------------------------------|------------------------|-----------|-----------|-----------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>  | 22-12 AWG | 28-10 AWG | Rail                  | TH 15-5.5                                |
|   | Flexible with insulated ferrule | 0.22-4 mm <sup>2</sup> |           |           | Wire stripping length | 9.5 mm<br>0.37 in                        |
|   | Gauge                           |                        |           |           | Screw clamp Tool      | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Rated cross section                     |                                 | 4 mm <sup>2</sup>      | 12 AWG    | 10 AWG    | Torque                | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| Rated short-time withstand current (1s) |                                 | 480 A                  |           |           |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when apply) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |     |       |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----|------|-----|-------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| CE | RoHS | UR  | cSAus | Gost R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CE | RoHS | USR | cSAus | Gost R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

### Accessories

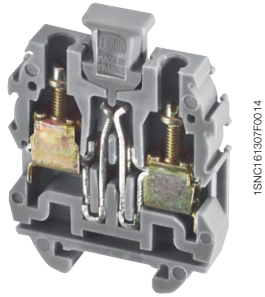
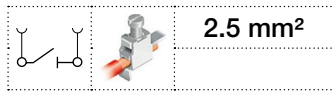
| Description                          | Color | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------------|-------|---------|-----------------|---------|------------------|
| 1 End stops 6.5 mm 0.256 in          | Grey  | BADRL   | 1SNA199420R2100 | 50      | 2.00             |
| 2 End sections 1 mm 0.039 in         | Grey  | FEDR61  | 1SNA117600R0300 | 25      | 0.80             |
| 3 Lateral jumper bars 10 poles 35 A  |       | PC61-10 | 1SNA163311R2200 | 10      | 5.00             |
| 4 Circuit separators 0.3 mm 0.012 in | White | SCDR61  | 1SNA173016R1000 | 25      | 0.40             |
| 5 Terminal block markers Blank card  | White | RC65    | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

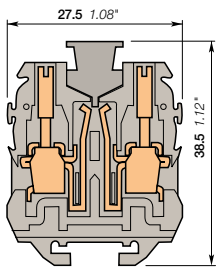
# DR2.5/5.S screw clamp terminal blocks

## Miniblocks - 5.08 mm 0.200 in spacing



DR2.5/5.S

1SNC161307F0014



5.08 mm 0.200 in spacing

### Description

- Save space with compact over-all dimensions terminal block,
- Ease your disconnect operations with the disconnect plug.

### Ordering details

| Description   | Color                         | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|------------|-----------------|---------|------------------|
| Miniblocks Disconnect with 2 test sockets DIA 2 mm 0.079 in | Grey <input type="checkbox"/> | DR2.5/5.S1 | 1SNA112098R1600 | 100     | 6.00             |

### Main technical data

|  |                                 | IEC                       | UL     | CSA | Mounting instructions |                                      |
|--|---------------------------------|---------------------------|--------|-----|-----------------------|--------------------------------------|
| 1 conductor per clamp                          | Rigid - Solid / Stranded        | 0.5-4 mm <sup>2</sup>     |        |     | Rail                  | TH 15-5.5                            |
|  | Flexible with insulated ferrule | 0.5-2.5 mm <sup>2</sup>   |        |     | Wire stripping length | 8.5 mm 0.335 in                      |
|  | Gauge                           |                           |        |     | Tool                  | Flat screwdriver Ø 3.5 mm Ø 0.138 in |
|  |                                 |                           |        |     | Torque                | 0.4 - 0.6 Nm 3.5 - 5.3 lb.in         |
| <b>Rated current / Rated cross section</b>     |                                 | 3 A / 2.5 mm <sup>2</sup> |        |     |                       |                                      |
| <b>Rated short-time withstand current (1s)</b> |                                 | 300 A                     |        |     |                       |                                      |
| <b>Rated voltage</b>                           |                                 | 380 V                     |        |     |                       |                                      |
| <b>Impulse withstand voltage</b>               |                                 |                           |        |     |                       |                                      |
| <b>Protection</b>                              |                                 | IP20                      | NEMA 1 |     |                       |                                      |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

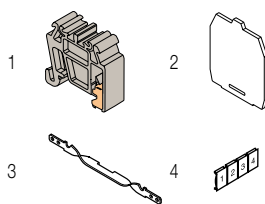
|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|

### Accessories

| Description                         | Color                          | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------------------|--------------------------------|--------|-----------------|---------|------------------|
| 1 End stops 6.5 mm 0.256 in         | Grey <input type="checkbox"/>  | BADRL  | 1SNA199420R2100 | 50      | 2.00             |
| 2 End sections 1 mm 0.039 in        | Grey <input type="checkbox"/>  | FEDR51 | 1SNA117668R0200 | 25      | 1.00             |
| 3 Shield connectors                 |                                | CBD5   | 1SNA167674R0200 | 25      |                  |
| 4 Terminal block markers Blank card | White <input type="checkbox"/> | RC55   | 1SNA230000R1200 | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet.

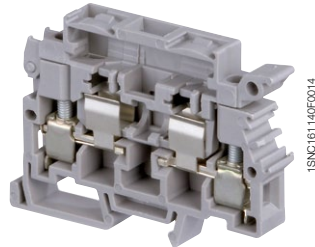
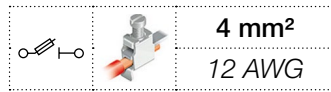
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



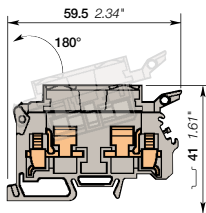
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# DR4/8.SF screw clamp terminal blocks

## Miniblocks - 8 mm 0.315 in spacing



DR4/8.SF



### Description

- Save space with compact over-all dimensions terminal block,
- Protect your circuits with 5x20 and 5x25 fuse terminal blocks (fuse not supplied with terminal blocks).

### Ordering details

| Description     | Color                         | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|-----------------|-------------------------------|----------|-----------------|---------|------------------|
| Miniblocks Fuse | Grey <input type="checkbox"/> | DR4/8.SF | 1SNA110368R1200 | 50      | 14.00            |

### Main technical data

|  | IEC                       | UL | CSA            |
|--|---------------------------|----|----------------|
| <b>1 conductor per clamp</b>                   |                           |    |                |
| Rigid - Solid / Stranded                       | 0.5-4 mm <sup>2</sup>     |    | 18 - 12 AWG    |
| Flexible with insulated ferrule                | 0.5-4 mm <sup>2</sup>     |    |                |
| Gauge  | A4                        |    |                |
| <b>Rated current / Rated cross section</b>     | 6.3 A / 4 mm <sup>2</sup> |    | 6.3 A / 12 AWG |
| <b>Rated short-time withstand current (1s)</b> | 480 A                     |    |                |
| <b>Rated voltage</b>                           | 630 V                     |    | 300 V          |
| <b>Impulse withstand voltage</b>               | 8000 V                    |    |                |
| <b>Protection</b>                              | IP20                      |    | NEMA 1         |

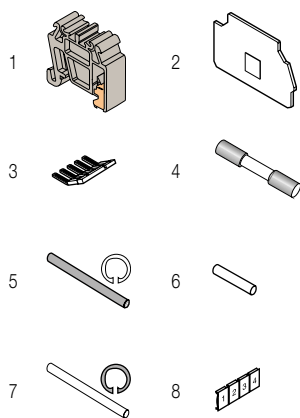
### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | TH 15-5.5                                |
| Wire stripping length |  | 9.5 mm<br>0.37 in                        |
| Tool                  |  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Torque                |  | 0.5 - 0.8 Nm<br>4.4 - 7.1 lb.in          |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |     |        |
|----|------|-----|--------|
|    |      |     |        |
| CE | RoHS | CSA | Gost R |

8 mm 0.315 in spacing



### Accessories

| Description                     | Color                          | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------|--------------------------------|---------|-----------------|---------|------------------|
| 1 <b>End stops</b>              | Grey <input type="checkbox"/>  | BADRL   | 1SNA199420R2100 | 50      | 2.00             |
| 2 <b>End sections</b>           | Grey <input type="checkbox"/>  | FEM8S   | 1SNA116951R1500 | 20      | 2.60             |
| 3 <b>Lateral jumper bars</b>    |                                | PC81-10 | 1SNA173523R1100 | 10      | 5.00             |
| 4 <b>Fuses</b>                  |                                | FU520   | 1SNA008288R1500 | 10      |                  |
|                                 |                                |         | 1SNA008289R1600 | 10      |                  |
|                                 |                                |         | 1SNA008290R1300 | 10      |                  |
|                                 |                                |         | 1SNA008291R0000 | 10      |                  |
|                                 |                                |         | 1SNA008292R0100 | 10      |                  |
| 5 <b>Assembly rods</b>          |                                | TGA8    | 1SNA168672R1100 | 10      | 1.00             |
|                                 |                                |         | 1SNA168673R1200 | 10      |                  |
|                                 |                                |         | 1SNA168674R1300 | 10      |                  |
| 6 <b>Neutral cartridges</b>     |                                | CN5     | 1SNA179371R1600 | 10      | 3.90             |
| 7 <b>Spring retaining rings</b> |                                | ANT     | 1SNA168675R1400 | 10      |                  |
| 8 <b>Terminal block markers</b> | White <input type="checkbox"/> | RC810   | 1SNA234000R0200 | 1       | 8.20             |

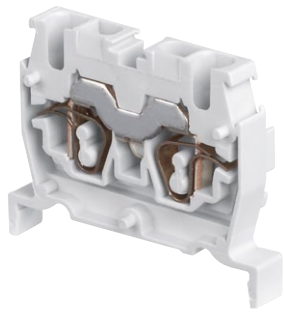
Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic.  
Technical data valid for copper conductors only.

# DS2.5/5.2L spring terminal blocks

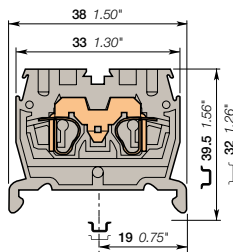
## Miniblocks - 5 mm 0.197 in spacing



1SNC16204P0014

DS2.5/5.2L

6



5 mm 0.197 in spacing

### Description

- Save space with compact angled terminal blocks,
- Easy mounting on DIN rail TH35,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

### Ordering details

| Description                | Color                         | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|----------------------------|-------------------------------|--------------|-----------------|---------|------------------|
| Feed-through 2 connections | Grey <input type="checkbox"/> | DS2.5/5.2L   | 1SNA290221R0400 | 100     | 4.00             |
|                            | Blue <input type="checkbox"/> | DS2.5/5.N.2L | 1SNA290223R0600 | 100     | 4.00             |

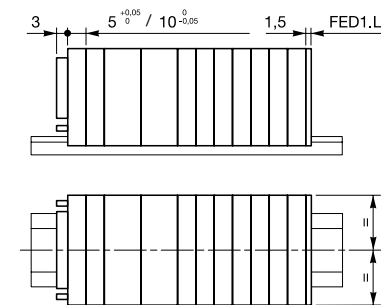
### Main technical data

|   | IEC                                 | UL                       | CSA       | Mounting instructions                      |
|---|-------------------------------------|--------------------------|-----------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded            | 0.12-4 mm <sup>2</sup>   | 26-12 AWG | Rail  TH 35-7.5, TH 35-15                  |
|   | Flexible with non insulated ferrule | 0.12-2.5 mm <sup>2</sup> |           | Wire stripping length  9.5 mm 0.37 in      |
|   | Flexible with insulated ferrule     | 0.5-1.5 mm <sup>2</sup>  |           | Tool  Flat screwdriver Ø 3.5 mm Ø 0.138 in |
| Gauge                                   | A2                                  |                          |           |  |
| Rated current / Rated cross section     | 24 A / 2.5 mm <sup>2</sup>          | 15 A / 12 AWG            |           |  |
| Rated short-time withstand current (1s) | 300 A                               |                          |           |  |
| Rated voltage                           | 800 V                               | 600 V                    |           |  |
| Impulse withstand voltage               | 8000 V                              |                          |           |  |
| Protection                              | IP20                                | NEMA 1                   |           |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|             |         |           |                 |
|-------------|---------|-----------|-----------------|
| RoHS:  RoHS | UL:  UL | CSA:  CSA | Gost R:  Gost R |
|-------------|---------|-----------|-----------------|

### Notes



### Accessories

| Description              | Color                           | Type                           | Order code      | Pkg pce         | Weight (1 pce) g |
|--------------------------|---------------------------------|--------------------------------|-----------------|-----------------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>   | BADL                           | 1SNA399903R0200 | 50              | 4.70             |
|                          |                                 | BAM2                           | 1SNA206351R1600 | 50              | 12.00            |
| 2 End sections           | Grey <input type="checkbox"/>   | FED1.L                         | 1SNA291301R0200 | 20              | 1.40             |
|                          |                                 | FED2.L                         | 1SNA291311R2300 | 20              | 1.90             |
| 3 Jumper bars            | Orange <input type="checkbox"/> | BJDL5-2                        | 1SNA291102R2300 | 50              | 1.00             |
|                          |                                 | BJDL5-3                        | 1SNA291103R2400 | 50              | 0.70             |
|                          |                                 | BJDL5-4                        | 1SNA291104R2500 | 50              | 0.80             |
|                          |                                 | BJDL5-5                        | 1SNA291105R2600 | 20              | 0.90             |
|                          |                                 | BJDL5-10                       | 1SNA291110R2600 | 20              | 1.20             |
|                          |                                 | White <input type="checkbox"/> | RC55            | 1SNA230000R1200 | 1                |
| 4 Terminal block markers | Blank card                      |                                |                 |                 |                  |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

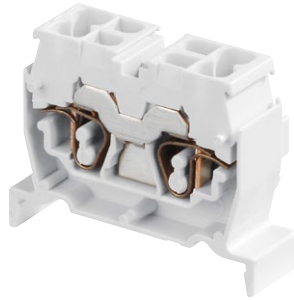
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# DS2.5/10.4L spring terminal blocks

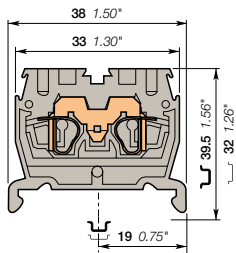
## Miniblocks - 10 mm 0.394 in spacing



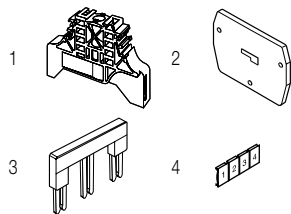
2.5 mm<sup>2</sup>  
12 AWG



DS2.5/10.4L



10 mm 0.394 in spacing



### Description

- Save space with compact angled terminal blocks,
- Easy mounting on DIN rail TH35,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

### Ordering details

| Description                | Color                         | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|----------------------------|-------------------------------|---------------|-----------------|---------|------------------|
| Feed-through 4 connections | Grey <input type="checkbox"/> | DS2.5/10.4L   | 1SNA290231R0600 | 100     | 6.00             |
|                            | Blue <input type="checkbox"/> | DS2.5/10.N.4L | 1SNA290233R0000 | 100     | 6.00             |

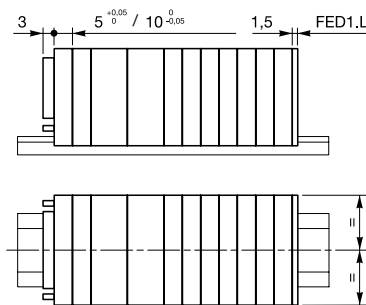
### Main technical data

|  |                            | IEC                        | UL            | CSA | Mounting instructions |  |
|--|----------------------------|----------------------------|---------------|-----|-----------------------|--|
| 1 conductor per clamp                          | Rigid - Solid / Stranded   | 0.12-4 mm <sup>2</sup>     | 26-12 AWG     |     | Rail                  | TH 35-7.5, TH 35-15                        |
|  | Flexible                   | 0.12-2.5 mm <sup>2</sup>   |               |     | Wire stripping length | 9.5 mm 0.37 in                             |
|  | with non insulated ferrule |                            |               |     | Tool                  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
|  | with insulated ferrule     | 0.5-1.5 mm <sup>2</sup>    |               |     |                       |  |
| Gauge  | A2                         |                            |               |     |                       |  |
| <b>Rated current / Rated cross section</b>     |                            | 24 A / 2.5 mm <sup>2</sup> | 15 A / 12 AWG |     |                       |  |
| <b>Rated short-time withstand current (1s)</b> |                            | 300 A                      |               |     |                       |  |
| <b>Rated voltage</b>                           |                            | 800 V                      | 600 V         |     |                       |  |
| <b>Impulse withstand voltage</b>               |                            | 8000 V                     |               |     |                       |  |
| <b>Protection</b>                              |                            | IP20                       | NEMA 1        |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |      |    |    |     |     |  |  |  |  |
|------|------|----|----|-----|-----|--|--|--|--|
| RoHS | RoHS | UL | UL | CSA | CSA |  |  |  |  |
| RoHS | RoHS | UL | UL | CSA | CSA |  |  |  |  |

### Notes



### Accessories

| Description                         | Color                           | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------------------|---------------------------------|---------|-----------------|---------|------------------|
| 1 End stops                         | Grey <input type="checkbox"/>   | BADL    | 1SNA399903R0200 | 50      | 4.70             |
|                                     |                                 | BAM2    | 1SNA206351R1600 | 50      | 12.00            |
| 2 End sections                      | Grey <input type="checkbox"/>   | FED1.L  | 1SNA291301R0200 | 20      | 1.40             |
|                                     |                                 | FED2.L  | 1SNA291311R2300 | 20      | 1.90             |
| 3 Jumper bars                       | Orange <input type="checkbox"/> | 2 poles | 1SNA291322R2600 | 50      | 1.00             |
|                                     |                                 | 3 poles | 1SNA291323R2700 | 50      | 1.00             |
|                                     |                                 | 4 poles | 1SNA291324R2000 | 20      | 2.00             |
|                                     |                                 | 5 poles | 1SNA291325R2100 | 20      | 2.00             |
| 4 Terminal block markers Blank card | White <input type="checkbox"/>  | RC55    | 1SNA230000R1200 | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# DR2.5/5.2L spring terminal blocks

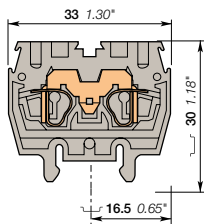
## Miniblocks - 5 mm 0.197 in spacing



1SNC16203R0014

DR2.5/5.2L

6



5 mm 0.197 in spacing

### Description

- Save space with compact angled terminal blocks,
- Easy mounting on DIN rail TH15,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

### Ordering details

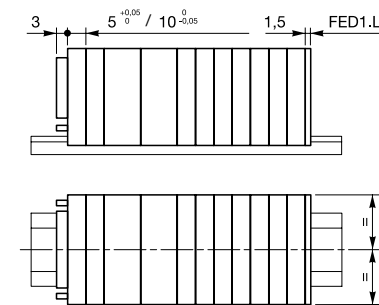
| Description                | Color                         | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|----------------------------|-------------------------------|--------------|-----------------|---------|------------------|
| Feed-through 2 connections | Grey <input type="checkbox"/> | DR2.5/5.2L   | 1SNA290201R1100 | 100     | 4.00             |
|                            | Blue <input type="checkbox"/> | DR2.5/5.N.2L | 1SNA290203R1300 | 100     | 4.00             |

### Main technical data

|   |                                     | IEC                        | UL            | CSA | Mounting instructions |   |
|---|-------------------------------------|----------------------------|---------------|-----|-----------------------|---|
| 1 conductor per clamp                   | Rigid - Solid / Stranded            | 0.12-4 mm <sup>2</sup>     | 26-12 AWG     |     | Rail                  | TH 15-5.5                                 |
|   | Flexible with non insulated ferrule | 0.12-2.5 mm <sup>2</sup>   |               |     | Wire stripping length | 9.5 mm / 0.37 in                          |
|   | with insulated ferrule Gauge        | 0.5-1.5 mm <sup>2</sup> A2 |               |     | Tool                  | Flat screwdriver<br>Ø 3.5 mm / Ø 0.138 in |
| Rated current / Rated cross section     |                                     | 24 A / 2.5 mm <sup>2</sup> | 15 A / 12 AWG |     |                       |   |
| Rated short-time withstand current (1s) |                                     | 300 A                      |               |     |                       |   |
| Rated voltage                           |                                     | 800 V                      | 600 V         |     |                       |   |
| Impulse withstand voltage               |                                     | 8000 V                     |               |     |                       |   |
| Protection                              |                                     | IP20                       | NEMA 1        |     |                       |   |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|             |         |        |  |  |  |
|-------------|---------|--------|--|--|--|
| RoHS:  RoHS | USR CNR | Gost R |  |  |  |
|-------------|---------|--------|--|--|--|

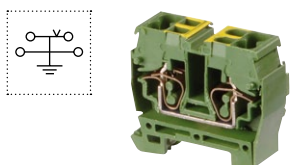
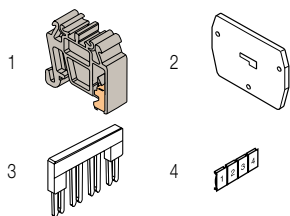


### Accessories

| Description                         | Color                           | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------------------|---------------------------------|----------|-----------------|---------|------------------|
| 1 End stops 6.5 mm 0.256 in         | Grey <input type="checkbox"/>   | BADRL    | 1SNA199420R2100 | 50      | 2.00             |
| 2 End sections 1.5 mm 0.059 in      | Grey <input type="checkbox"/>   | FED1.L   | 1SNA291301R0200 | 20      | 1.40             |
|                                     |                                 | FED2.L   | 1SNA291311R2300 | 20      | 1.90             |
| 3 Jumper bars 2 poles 24 A          | Orange <input type="checkbox"/> | BJDL5-2  | 1SNA291102R2300 | 50      | 1.00             |
|                                     |                                 | BJDL5-3  | 1SNA291103R2400 | 50      | 0.70             |
|                                     |                                 | BJDL5-4  | 1SNA291104R2500 | 50      | 0.80             |
|                                     |                                 | BJDL5-5  | 1SNA291105R2600 | 20      | 0.90             |
|                                     |                                 | BJDL5-10 | 1SNA291110R2600 | 20      | 1.20             |
| 4 Terminal block markers Blank card | White <input type="checkbox"/>  | RC55     | 1SNA230000R1200 | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



### Ground spring terminal blocks

| Description                            | Color                                 | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|--|---------------------------------------|---------------|-----------------|---------|------------------|
| Ground Profile aligned with DR2.5/...L | Green-yellow <input type="checkbox"/> | DR2.5/10.P.4L | 1SNA290219R1200 | 100     | 7.00             |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*.

Technical data valid for copper conductors only.

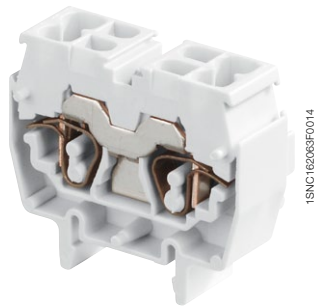


# DR2.5/10.4L spring terminal blocks

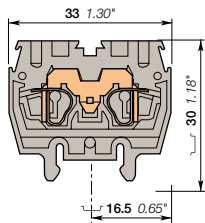
## Miniblocks - 10 mm 0.394 in spacing



**2.5 mm<sup>2</sup>**  
**12 AWG**



DR2.5/10.4L



10 mm 0.394 in spacing

### Description

- Save space with compact angled terminal blocks,
- Easy mounting on DIN rail TH15,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

### Ordering details

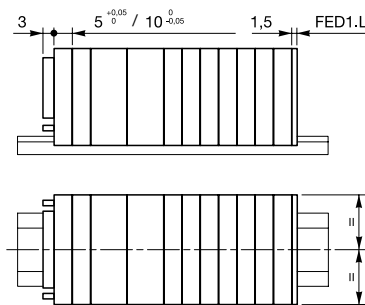
| Description                | Color                         | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|----------------------------|-------------------------------|---------------|-----------------|---------|------------------|
| Feed-through 4 connections | Grey <input type="checkbox"/> | DR2.5/10.4L   | 1SNA290211R0200 | 100     | 6.00             |
|                            | Blue <input type="checkbox"/> | DR2.5/10.N.4L | 1SNA290213R0400 | 100     | 6.00             |

### Main technical data

|   |                                     | IEC                        | UL            | CSA | Mounting instructions |  |
|---|-------------------------------------|----------------------------|---------------|-----|-----------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded            | 0.12-4 mm <sup>2</sup>     | 26-12 AWG     |     | Rail                  | TH 15-5.5                                  |
|   | Flexible with non insulated ferrule | 0.12-2.5 mm <sup>2</sup>   |               |     | Wire stripping length | 9.5 mm 0.37 in                             |
|   | with insulated ferrule              | 0.5-1.5 mm <sup>2</sup>    |               |     | Tool                  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
|   | Gauge                               | A2                         |               |     |                       |  |
| Rated current / Rated cross section     |                                     | 24 A / 2.5 mm <sup>2</sup> | 15 A / 12 AWG |     |                       |  |
| Rated short-time withstand current (1s) |                                     | 300 A                      |               |     |                       |  |
| Rated voltage                           |                                     | 800 V                      | 600 V         |     |                       |  |
| Impulse withstand voltage               |                                     | 8000 V                     |               |     |                       |  |
| Protection                              |                                     | IP20                       | NEMA 1        |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

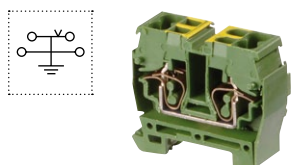
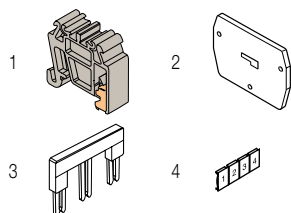
|      |      |    |    |     |     |
|------|------|----|----|-----|-----|
| RoHS | RoHS | UL | UL | CSA | CSA |
| RoHS | RoHS | UL | UL | CSA | CSA |



### Accessories

| Description    | Color                           | Type                                | Order code                     | Pkg pce | Weight (1 pce) g |
|----------------|---------------------------------|-------------------------------------|--------------------------------|---------|------------------|
| 1 End stops    | Grey <input type="checkbox"/>   | BADRL                               | 1SNA199420R2100                | 50      | 2.00             |
| 2 End sections | Grey <input type="checkbox"/>   | FED1.L                              | 1SNA291301R0200                | 20      | 1.40             |
|                |                                 | FED2.L                              | 1SNA291311R2300                | 20      | 1.90             |
| 3 Jumper bars  | Orange <input type="checkbox"/> | 2 poles 24 A                        | BJDL10-2                       | 50      | 1.00             |
|                |                                 | 3 poles                             | BJDL10-3                       | 50      | 1.00             |
|                |                                 | 4 poles                             | BJDL10-4                       | 20      | 2.00             |
|                |                                 | 5 poles                             | BJDL10-5                       | 20      | 2.00             |
|                |                                 | 4 Terminal block markers Blank card | White <input type="checkbox"/> | RC55    | 1SNA230000R1200  |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



### Ground spring terminal blocks

| Description                            | Color                                 | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|--|---------------------------------------|---------------|-----------------|---------|------------------|
| Ground Profile aligned with DR2.5/...L | Green-yellow <input type="checkbox"/> | DR2.5/10.P.4L | 1SNA290219R1200 | 100     | 7.00             |

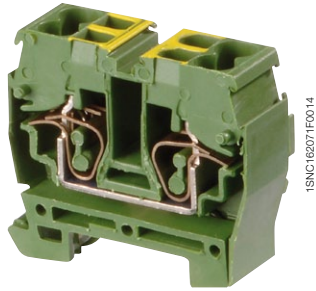
All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

# DR2.5/10.P.4L spring terminal blocks

## Miniblocks - 10 mm 0.394 in spacing



2.5 mm<sup>2</sup>  
12 AWG



DR2.5/10.P.4L

1SNC16207FP0014

### Description

- Save space with compact angled terminal blocks,
- Easy mounting on DIN rail TH15,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

### Ordering details

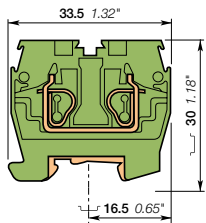
| Description                       | Color        | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|-----------------------------------|--------------|---------------|-----------------|---------|------------------|
| Ground Screwless rail connection: | Green-yellow | DR2.5/10.P.4L | 1SNA290219R1200 | 100     | 7.00             |

### Main technical data

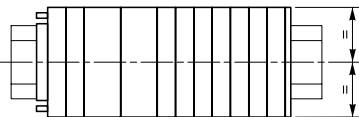
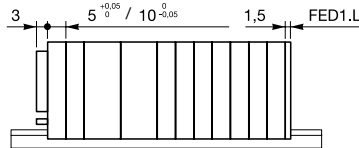
|   |                                     | IEC                      | UL     | CSA | Mounting instructions |  |
|---|-------------------------------------|--------------------------|--------|-----|-----------------------|--|
|   |                                     |                          |        |     | Rail                  | TH 15-5.5                                  |
| 1 conductor per clamp                   | Rigid - Solid / Stranded            | 0.12-4 mm <sup>2</sup>   |        |     | Wire stripping length | 9.5 mm<br>0.37 in                          |
|   | Flexible with non insulated ferrule | 0.12-2.5 mm <sup>2</sup> |        |     |                       |  |
|   | with insulated ferrule              | 0.5-1.5 mm <sup>2</sup>  |        |     | Tool                  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
|   | Gauge                               | A2                       |        |     |                       |  |
| Rated cross section                     |                                     | 2.5 mm <sup>2</sup>      |        |     |                       |  |
| Rated short-time withstand current (1s) |                                     | 300 A                    |        |     |                       |  |
| Protection                              |                                     | IP20                     | NEMA 1 |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |      |        |  |  |  |  |  |  |  |
|------|------|--------|--|--|--|--|--|--|--|
| RoHS | RoHS | Gost R |  |  |  |  |  |  |  |
|------|------|--------|--|--|--|--|--|--|--|



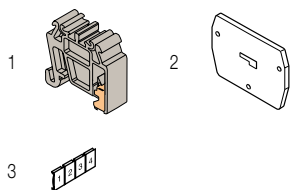
10 mm 0.394 in spacing



### Accessories

| Description                         | Color | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------------------|-------|--------|-----------------|---------|------------------|
| 1 End stops 6.5 mm 0.256 in         | Grey  | BADRL  | 1SNA199420R2100 | 50      | 2.00             |
| 2 End sections 1.5 mm 0.059 in      | Grey  | FED1.L | 1SNA291301R0200 | 20      | 1.40             |
| 3 Terminal block markers Blank card | White | RC55   | 1SNA230000R1200 | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

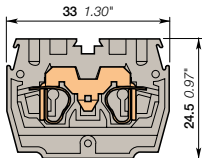
# DB2.5/5.2L spring terminal blocks

## Miniblocks - 5 mm 0.197 in spacing



1SNC162112P0014

DB2.5/5.2L



5 mm 0.197 in spacing

### Description

- Save space with compact angled terminal blocks,
- Easy base mounting thanks to the usage of flanges,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

### Ordering details

| Description                | Color                         | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|----------------------------|-------------------------------|--------------|-----------------|---------|------------------|
| Feed-through 2 connections | Grey <input type="checkbox"/> | DB2.5/5.2L   | 1SNA290241R1000 | 100     | 4.00             |
|                            | Blue <input type="checkbox"/> | DB2.5/5.N.2L | 1SNA290243R1200 | 100     | 4.00             |

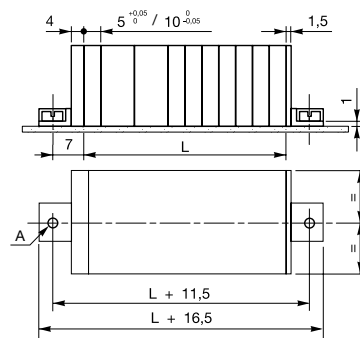
### Main technical data

|   |                                     | IEC                        | UL            | CSA | Mounting instructions |  |
|---|-------------------------------------|----------------------------|---------------|-----|-----------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded            | 0.12-4 mm <sup>2</sup>     | 26-12 AWG     |     | Wire stripping length | 9.5 mm 0.37 in                             |
|   | Flexible with non insulated ferrule | 0.12-2.5 mm <sup>2</sup>   |               |     | Tool                  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
|   | with insulated ferrule              | 0.5-1.5 mm <sup>2</sup>    |               |     |                       |  |
|   | Gauge                               | A2                         |               |     |                       |  |
| Rated current / Rated cross section     |                                     | 24 A / 2.5 mm <sup>2</sup> | 15 A / 12 AWG |     |                       |  |
| Rated short-time withstand current (1s) |                                     | 300 A                      |               |     |                       |  |
| Rated voltage                           |                                     | 800 V                      | 600 V         |     |                       |  |
| Impulse withstand voltage               |                                     | 8000 V                     |               |     |                       |  |
| Protection                              |                                     | IP20                       | NEMA 1        |     |                       |  |

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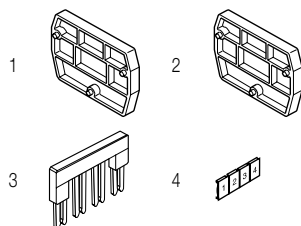
|      |    |     |        |
|------|----|-----|--------|
| RoHS | UL | CSA | Gest R |
|------|----|-----|--------|

### Notes



$$L = (N \text{ blocks} \times 5.05) + (N \text{ blocks} \times 10)$$

A: 2 holes DIA 3.2 mm for 3 mm screw with cylindrical head (not supplied)



### Accessories

| Description                         | Color                           | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------------------|---------------------------------|----------|-----------------|---------|------------------|
| 1 End section kits                  | Grey <input type="checkbox"/>   | FEDB.L   | 1SNA290281R0100 | 20      | 3.00             |
| 2 End sections 4 mm 0.157 in        | Grey <input type="checkbox"/>   | FED2.L   | 1SNA291311R2300 | 20      | 1.90             |
| 3 Jumper bars 2 poles 24 A          | Orange <input type="checkbox"/> | BJDL5-2  | 1SNA291102R2300 | 50      | 1.00             |
|                                     |                                 | BJDL5-3  | 1SNA291103R2400 | 50      | 0.70             |
|                                     |                                 | BJDL5-4  | 1SNA291104R2500 | 50      | 0.80             |
|                                     |                                 | BJDL5-5  | 1SNA291105R2600 | 20      | 0.90             |
|                                     |                                 | BJDL5-10 | 1SNA291110R2600 | 20      | 1.20             |
| 4 Terminal block markers Blank card | White <input type="checkbox"/>  | RC55     | 1SNA230000R1200 | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# DH2.5/5.2L spring terminal blocks

## Miniblocks - 5 mm 0.197 in spacing



DH2.5/5.2L

1SNC162114F0014

### Description

- Save space with compact angled terminal blocks,
- Easy base mounting thanks to snap in mounting foot,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

### Ordering details

| Description                | Color                         | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|----------------------------|-------------------------------|------------|-----------------|---------|------------------|
| Feed-through 2 connections | Grey <input type="checkbox"/> | DH2.5/5.2L | 1SNA290261R1400 | 100     | 4.00             |

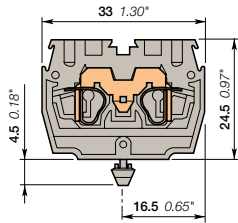
### Main technical data

|  | IEC  | UL  | CSA       | Mounting instructions |  |
|--|--|---|-----------|-----------------------|--|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible with non insulated ferrule with insulated ferrule<br>Gauge A2 | 0.12-4 mm <sup>2</sup><br>0.12-2.5 mm <sup>2</sup><br>0.5-1.5 mm <sup>2</sup> | 26-12 AWG | Rail                  |  |
| <b>Rated current / Rated cross section</b>     | 24 A / 2.5 mm <sup>2</sup>   | 15 A / 12 AWG   |           | Wire stripping length | 9.5 mm<br>0.37 in                          |
| <b>Rated short-time withstand current (1s)</b> | 300 A  |   |           | Tool                  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| <b>Rated voltage</b>                           | 800 V  | 600 V   |           |                       |  |
| <b>Impulse withstand voltage</b>               | 8000 V   |   |           |                       |  |
| <b>Protection</b>                              | IP20   | NEMA 1  |           |                       |  |

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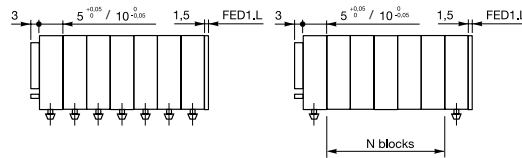


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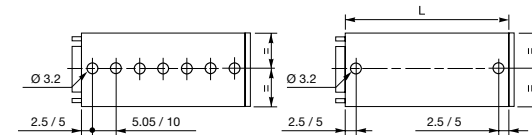


5 mm 0.197 in spacing

### Notes



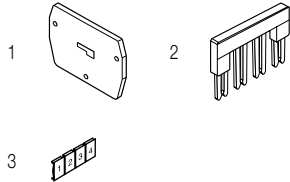
- For 10 mm blocks, mount a DH block every 4 blocks.
- For 5 mm blocks, mount a DH block every 8 blocks.
- N blocks = 8 blocks max with 5 mm spacing
- N blocks = 4 blocks max with 10 mm spacing
- L = (N blocks x 5.05) + (N blocks x 10)
- Panel thickness: 0.6 to 1.2 mm 0.024 to 0.047 in



### Accessories

| Description                                | Color                           | Type            | Order code      | Pkg pce         | Weight (1 pce) g |
|--|---------------------------------|-----------------|-----------------|-----------------|------------------|
| 1 <b>End sections</b>                      | Grey <input type="checkbox"/>   | 1.5 mm 0.059 in | FED1.L          | 1SNA291301R0200 | 20 1.40          |
|  |                                 | 4 mm 0.157 in   | FED2.L          | 1SNA291311R2300 | 20 1.90          |
| 2 <b>Jumper bars</b>                       | Orange <input type="checkbox"/> | 2 poles 24 A    | BJDL5-2         | 1SNA291102R2300 | 50 1.00          |
|  |                                 | 3 poles         | BJDL5-3         | 1SNA291103R2400 | 50 0.70          |
|  |                                 | 4 poles         | BJDL5-4         | 1SNA291104R2500 | 50 0.80          |
|  |                                 | 5 poles         | BJDL5-5         | 1SNA291105R2600 | 20 0.90          |
|  |                                 | 10 poles        | BJDL5-10        | 1SNA291110R2600 | 20 1.20          |
| 3 <b>Terminal block markers</b> Blank card | White <input type="checkbox"/>  | RC55            | 1SNA230000R1200 | 1 2.90          |                  |

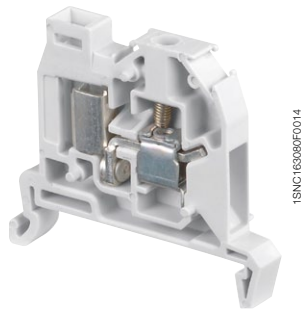
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



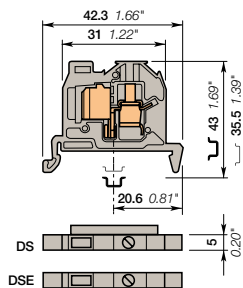
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# DS2.5/5.ADO IDC terminal blocks

## Miniblocks ADO - screw clamp - 5 mm 0.197 in spacing



DS2.5/5.ADO



5 mm 0.197 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description  | Color                                 | Type                                       | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|---------------------------------------|--|-----------------|---------|------------------|
| Feed-through | With rib                              | Grey <input type="checkbox"/> DS2.5/5.ADO  | 1SNA399514R2300 | 100     | 4.00             |
|              | Without rib for TB assembly extremity | Grey <input type="checkbox"/> DSE2.5/5.ADO | 1SNA399518R0700 | 20      | 4.00             |

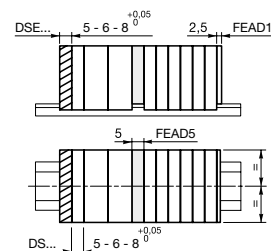
### Main technical data

|   |                                       | IEC             | UL            | CSA | Mounting instructions                      |
|---|---------------------------------------|-----------------|---------------|-----|--|
| ADO                                     | Rigid - Solid / Stranded              | 0.2-1 mm²       | 24-18 AWG     |     | Rail  TH 35-7.5, TH 35-15                  |
|   | Flexible                              | 0.22-1 mm²      |               |     | Wire stripping length  9.5 mm 0.37 in      |
| Screw clamp                             | Rigid - Solid / Stranded              | 0.2-4 mm²       | 24-12 AWG     |     | Tool  Flat screwdriver Ø 3.5 mm Ø 0.138 in |
|   | Flexible with insulated ferrule Gauge | 0.22-2.5 mm² A3 |               |     |  |
| Rated current / Rated cross section     |                                       | 13.5 A / 1 mm²  | 10 A / 18 AWG |     | Torque  0.4 - 0.6 N.m 3.5 - 5.3 lb.in      |
| Rated short-time withstand current (1s) |                                       | 120 A           |               |     |  |
| Rated voltage                           |                                       | 800 V           | 600 V         |     |  |
| Impulse withstand voltage               |                                       | 8000 V          |               |     |  |
| Protection                              |                                       | IP20            | NEMA 1        |     |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Notes

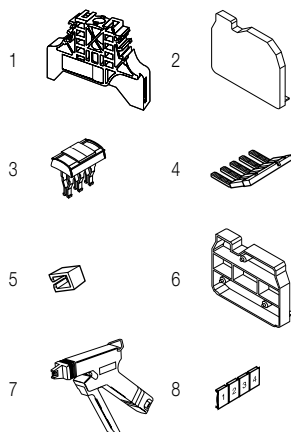


- End section FEAD1 to be mounted directly on the open part of the terminal block.
- End terminal block DSE has to be mounted at the end of the terminal blocks assembly: it reduces its size, because it suppresses the insulation rib (- 4 mm).
- Nota: This terminal block cannot be accidentally located anywhere else into the terminal block assembly (without locking holes)
- Separator FEAD5 which snaps on the terminal blocks, separates and makes visible the different parts of the terminal blocks assembly.

### Accessories

| Description              | Color                           | Type                               | Order code      | Pkg pce         | Weight (1 pce) g |        |
|--------------------------|---------------------------------|------------------------------------|-----------------|-----------------|------------------|--------|
| 1 End stops              | Grey <input type="checkbox"/>   | BAM2                               | 1SNA206351R1600 | 50              | 12.00            |        |
|                          |                                 | BADL                               | 1SNA399903R0200 | 50              | 4.70             |        |
| 2 End sections           | Grey <input type="checkbox"/>   | FEAD1                              | 1SNA199421R1600 | 20              | 1.30             |        |
| 3 Jumper bars            | Orange <input type="checkbox"/> | 2 poles                            | 13.5 A BJADO5-2 | 1SNA205955R0300 | 20               | 1.00   |
|                          |                                 | 3 poles                            | BJADO5-3        | 1SNA205956R0400 | 20               | 1.00   |
|                          |                                 | 10 poles                           | BJADO5-10       | 1SNA205963R0300 | 10               | 5.00   |
|                          |                                 | 2 poles                            | 30 A PC5-2      | 1SNA113542R1000 | 10               | 1.80   |
| 4 Lateral jumper bars    | Grey <input type="checkbox"/>   | 10 poles                           | PC5-10          | 1SNA113544R1200 | 10               | 6.00   |
| 5 Insulating tips        |                                 | For lateral jumper bars type PC... | EIP             | 1SNA113550R2400 | 10               |        |
| 6 Circuit separators     | Grey <input type="checkbox"/>   | 5 mm 0.197 in                      | FEAD5           | 1SNA199433R1200 | 20               | 1.80   |
| 7 Tools                  | Grey <input type="checkbox"/>   | Semi automatic tool                | OUPAD           | 1SNA178944R0400 | 1                | 205.00 |
|                          |                                 | Hand tool                          | OUMAD           | 1SNA179466R0600 | 1                | 29.00  |
| 8 Terminal block markers | White <input type="checkbox"/>  | Blank card                         | RC65            | 1SNA232000R0000 | 1                | 3.60   |

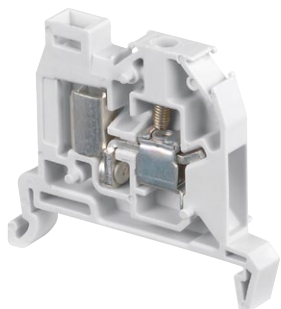
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# DS4/6.ADO IDC terminal blocks

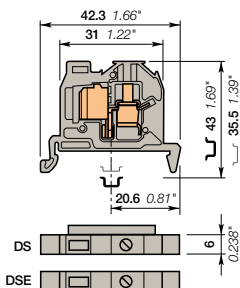
## Miniblocks ADO - screw clamp - 6 mm 0.236 in spacing



1SNC16302850201

DS4/6.ADO

6



6 mm 0.236 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description  | Color                                 | Type                                     | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|---------------------------------------|--|-----------------|---------|------------------|
| Feed-through | With rib                              | Grey <input type="checkbox"/> DS4/6.ADO  | 1SNA299489R0700 | 100     | 5.00             |
|              | Without rib for TB assembly extremity | Grey <input type="checkbox"/> DSE4/6.ADO | 1SNA299556R0100 | 20      | 5.00             |

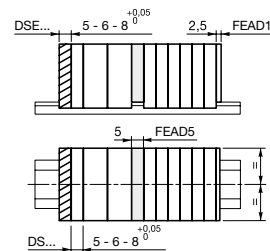
### Main technical data

|   |                                       | IEC              | UL            | CSA | Mounting instructions |  |
|---|---------------------------------------|------------------|---------------|-----|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded              | 0.28-1.5 mm²     | 22-16 AWG     |     | Rail                  | TH 35-7.5, TH 35-15                      |
|   | Flexible                              | 0.34-1.5 mm²     |               |     | Wire stripping length | 9.5 mm 0.37 in                           |
| Screw clamp                             | Rigid - Solid / Stranded              | 0.2-4 mm²        | 22-10 AWG     |     | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
|   | Flexible with insulated ferrule Gauge | 0.22-4 mm²<br>A4 |               |     |                       |  |
| Rated current / Rated cross section     |                                       | 17.5 A / 1.5 mm² | 20 A / 16 AWG |     | Torque                | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| Rated short-time withstand current (1s) |                                       | 180 A            |               |     |                       |  |
| Rated voltage                           |                                       | 800 V            | 600 V         |     |                       |  |
| Impulse withstand voltage               |                                       |                  |               |     |                       |  |
| Protection                              |                                       | IP20             | NEMA 1        |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|                                |                              |                               |                                  |
|--------------------------------|------------------------------|-------------------------------|----------------------------------|
| RoHS: <input type="checkbox"/> | UL: <input type="checkbox"/> | CSA: <input type="checkbox"/> | Gost R: <input type="checkbox"/> |
|--------------------------------|------------------------------|-------------------------------|----------------------------------|

### Notes



- End section FEAD1 to be mounted directly on the open part of the terminal block.
- End terminal block DSE has to be mounted at the end of the terminal blocks assembly: it reduces its size, because it suppresses the insulation rib (- 4 mm).
- Nota: This terminal block cannot be accidentally located anywhere else into the terminal block assembly (without locking holes)
- Separator FEAD5 which snaps on the terminal blocks, separates and makes visible the different parts of the terminal blocks assembly.

### Accessories

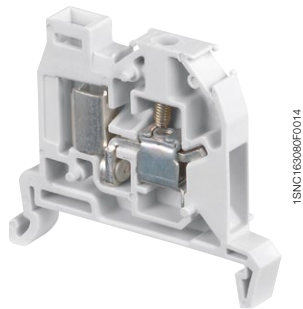
| Description              | Color                           | Type                               | Order code      | Pkg pce         | Weight (1 pce) g |      |
|--------------------------|---------------------------------|------------------------------------|-----------------|-----------------|------------------|------|
| 1 End stops              | Grey <input type="checkbox"/>   | BAM2                               | 1SNA206351R1600 | 50              | 12.00            |      |
|                          |                                 | BADL                               | 1SNA399903R0200 | 50              | 4.70             |      |
| 2 End sections           | Grey <input type="checkbox"/>   | FEAD1                              | 1SNA199421R1600 | 20              | 1.30             |      |
| 3 Jumper bars            | Orange <input type="checkbox"/> | 2 poles                            | BJADO6-2        | 1SNA205974R0600 | 20               | 1.00 |
|                          |                                 | 3 poles                            | BJADO6-3        | 1SNA205975R0700 | 20               | 1.00 |
|                          |                                 | 10 poles                           | BJADO6-10       | 1SNA205982R2700 | 10               | 6.00 |
|                          |                                 | 2 poles                            | PC6-2           | 1SNA113546R1400 | 10               | 2.00 |
| 4 Lateral jumper bars    | Grey <input type="checkbox"/>   | 3 poles                            | PC6-3           | 1SNA116536R0500 | 10               | 2.00 |
|                          |                                 | 4 poles                            | PC6-4           | 1SNA116537R0600 | 10               | 1.00 |
|                          |                                 | 10 poles                           | PC6-10          | 1SNA113548R2600 | 10               | 8.00 |
|                          |                                 | For lateral jumper bars type PC... | EIP             | 1SNA113550R2400 | 10               |      |
| 5 Insulating tips        |                                 |                                    |                 |                 |                  |      |
| 6 Circuit separators     | Grey <input type="checkbox"/>   | FEAD5                              | 1SNA199433R1200 | 20              | 1.80             |      |
| 7 Tools                  |                                 | Semi automatic tool                | OUPAD           | 1               | 205.00           |      |
|                          |                                 | Hand tool                          | OUMAD           | 1               | 29.00            |      |
| 8 Terminal block Markers | White <input type="checkbox"/>  | RC65                               | 1SNA232000R0000 | 1               | 3.60             |      |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

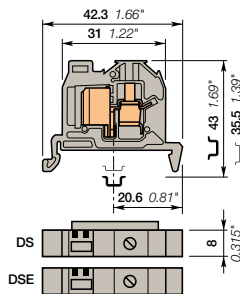
# DS4/8.ADO IDC terminal blocks

## Miniblocks ADO - screw clamp - 8 mm 0.315 in spacing



1SNC16309R0014

DS4/8.ADO



8 mm 0.315 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

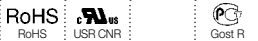
### Ordering details

| Description   | Color | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------|------------|-----------------|---------|------------------|
| <b>Feed-through</b> With rib and 2 notches for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG)          | Grey  | DS4/8.ADO  | 1SNA299493R2300 | 100     | 7.00             |
| Without rib for TB assembly extremity and 2 notches for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG) | Grey  | DSE4/8.ADO | 1SNA299557R0200 | 20      | 7.00             |

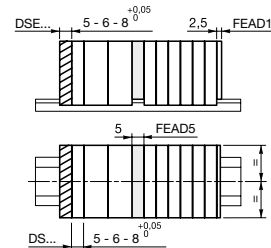
### Main technical data

|  |                                 | IEC                        | UL            | CSA | Mounting instructions                    |
|--|---------------------------------|----------------------------|---------------|-----|--|
| <b>ADO</b>                                     | Rigid - Solid / Stranded        | 1-2.5 mm <sup>2</sup>      | 16-14 AWG     |     | Rail  TH 35-7.5, TH 35-15                |
|  | Flexible                        | 1-2.5 mm <sup>2</sup>      |               |     | Wire stripping length  9.5 mm 0.37 in    |
| <b>Screw clamp</b>                             | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>      | 22-10 AWG     |     | Tool  Flat screwdriver Ø 4 mm Ø 0.157 in |
|  | Flexible with insulated ferrule | 0.22-4 mm <sup>2</sup>     |               |     |  |
|  | Gauge                           | A4                         |               |     |  |
| <b>Rated current / Rated cross section</b>     |                                 | 24 A / 2.5 mm <sup>2</sup> | 25 A / 14 AWG |     | Torque  0.5 - 0.8 N.m 4.4 - 7.1 lb.in    |
| <b>Rated short-time withstand current (1s)</b> |                                 | 300 A                      |               |     |  |
| <b>Rated voltage</b>                           |                                 | 1000 V                     | 600 V         |     |  |
| <b>Impulse withstand voltage</b>               |                                 |                            |               |     |  |
| <b>Protection</b>                              |                                 | IP20                       | NEMA 1        |     |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Notes



- End section FEAD1 to be mounted directly on the open part of the terminal block.
- End terminal block DSE has to be mounted at the end of the terminal blocks assembly: it reduces its size, because it suppresses the insulation rib (- 4 mm).
- Nota: This terminal block cannot be accidentally located anywhere else into the terminal block assembly (without locking holes)
- Separator FEAD5 which snaps on the terminal blocks, separates and makes visible the different parts of the terminal blocks assembly.

### Accessories

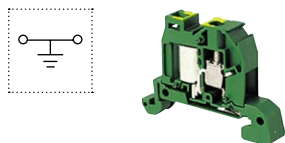
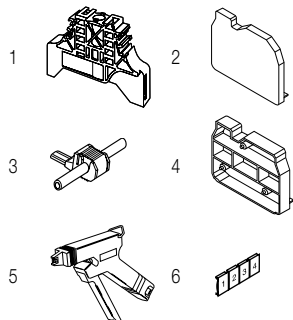
| Description                     | Color | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------|-------|--------|-----------------|---------|------------------|
| <b>1 End stops</b>              |       | BAM2   | 1SNA206351R1600 | 50      | 12.00            |
|                                 |       | BADL   | 1SNA399903R0200 | 50      | 4.70             |
| <b>2 End sections</b>           |       | FEAD1  | 1SNA199421R1600 | 20      | 1.30             |
| <b>3 Jumper bars</b>            |       | AD2.5  | 1SNA114205R2000 | 50      | 1.60             |
| <b>4 Circuit separators</b>     |       | FEAD5  | 1SNA199433R1200 | 20      | 1.80             |
| <b>5 Tools</b>                  |       | OUPAD  | 1SNA178944R0400 | 1       | 205.00           |
|                                 |       | OUMAD  | 1SNA179466R0600 | 1       | 29.00            |
| <b>6 Terminal block markers</b> |       | RCAL85 | 1SNA237000R0500 | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

### Ground IDC terminal blocks

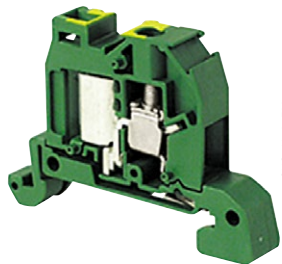
| Description                                  | Color        | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------|------------|-----------------|---------|------------------|
| <b>Ground</b> Profile aligned with DS4/8.ADO | Green-yellow | DS4/8.PADO | 1SNA199527R1000 | 100     | 8.00             |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.



# DS4/8.P.ADO IDC terminal blocks

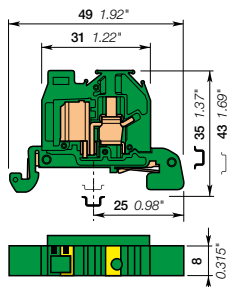
## Miniblocks ADO - screw clamp - 8 mm 0.315 in spacing



1SNC16312F0014

DS4/8.P.ADO

6



8 mm 0.315 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- Protect your installation in the event of a short-circuit thanks to our screwless rail contact non operator dependent,
- Secure mounting or removal from the rail,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description   | Color        | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|---|--------------|-------------|-----------------|---------|------------------|
| Ground With 2 notches for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG) | Green-yellow | DS4/8.P.ADO | 1SNA199527R1000 | 100     | 8.00             |

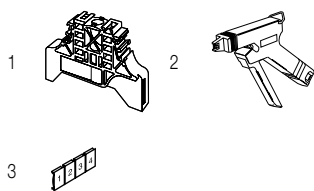
### Main technical data

|   |  | IEC                   | UL     | CSA |                       |                                  |
|---|--|-----------------------|--------|-----|-----------------------|----------------------------------|
| ADO                                     | Rigid - Solid / Stranded Flexible                              | 1-2.5 mm <sup>2</sup> |        |     | Rail                  | TH 35-7.5, TH 35-15              |
| Screw clamp                             | Rigid - Solid / Stranded Flexible with insulated ferrule Gauge | 0.2-4 mm <sup>2</sup> |        |     | Wire stripping length | 9.5 mm 0.37 in                   |
| Rated cross section                     |  | 2.5 mm <sup>2</sup>   |        |     | Tool                  | Flat screwdriver Ø 4 mm 0.157 in |
| Rated short-time withstand current (1s) |  | 300 A                 |        |     | Torque                | 0.5 - 0.8 N.m 4 - 7.1 lb.in      |
| Protection                              |  | IP20                  | NEMA 1 |     |                       |                                  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |        |
|------|--------|
| RoHS | Gost R |
|------|--------|

### Accessories



| Description              | Color | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|-------|--------|-----------------|---------|------------------|
| 1 End stops              | Grey  | BAM2   | 1SNA206351R1600 | 50      | 12.00            |
|                          |       | BADL   | 1SNA399903R0200 | 50      | 4.70             |
| 2 Tools                  |       | OUPAD  | 1SNA178944R0400 | 1       | 205.00           |
|                          |       | OUMAD  | 1SNA179466R0600 | 1       | 29.00            |
| 3 Terminal block markers |       | RCAL85 | 1SNA237000R0500 | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet.

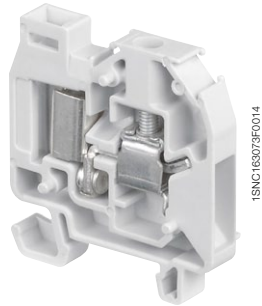
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.



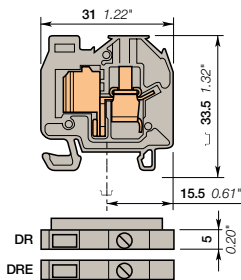
# DR2.5/5.ADO IDC terminal blocks

## Miniblocks ADO - screw clamp - 5 mm 0.197 in spacing



1SNC163073F0014

DR2.5/5.ADO



5 mm 0.197 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description  | Color                                 | Type                                       | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|---------------------------------------|--|-----------------|---------|------------------|
| Feed-through | With rib                              | Grey <input type="checkbox"/> DR2.5/5.ADO  | 1SNA399509R1700 | 100     | 4.00             |
|              | Without rib for TB assembly extremity | Grey <input type="checkbox"/> DRE2.5/5.ADO | 1SNA399513R2200 | 20      | 4.00             |

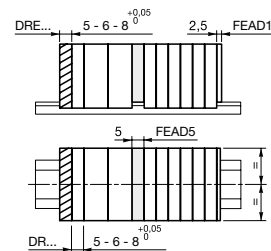
### Main technical data

|   |  | IEC   | UL  | CSA       | Mounting instructions |  |
|---|--|---|---|-----------|-----------------------|--|
| ADO                                     |  | Rigid - Solid / Stranded<br>Flexible                                    | 0.2-1 mm <sup>2</sup><br>0.22-1 mm <sup>2</sup>         | 24-18 AWG | Rail                  | TH 15-5.5                                  |
| Screw clamp                             |  | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.2-4 mm <sup>2</sup><br>0.22-2.5 mm <sup>2</sup><br>A3 | 24-12 AWG | Wire stripping length | 9.5 mm<br>0.374 in                         |
| Rated current / Rated cross section     |  | 13.5 A / 1 mm <sup>2</sup>  | 10 A / 18 AWG   |           | Tool                  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| Rated short-time withstand current (1s) |  | 120 A   |   |           | Torque                | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in           |
| Rated voltage                           |  | 800 V   | 600 V   |           |                       |  |
| Impulse withstand voltage               |  | 8000 V  |   |           |                       |  |
| Protection                              |  | IP20  | NEMA 1  |           |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |        |     |        |
|------|--------|-----|--------|
| RoHS | UL     | CSA | Gost R |
| RoHS | UL CNR |     | Gost R |

### Notes



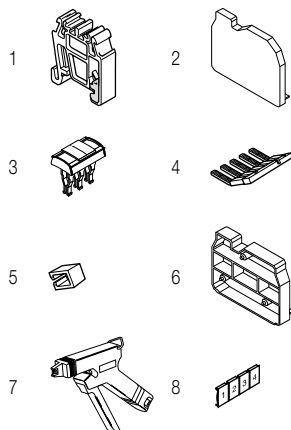
- End section FEAD1 to be mounted directly on the open part of the terminal block.
- End terminal block DRE has to be mounted at the end of the terminal blocks assembly: it reduces its size, because it suppresses the insulation rib (- 4 mm).
- Nota: This terminal block cannot be accidentally located anywhere else into the terminal block assembly (without locking holes)
- Separator FEAD5 which snaps on the terminal blocks, separates and makes visible the different parts of the terminal blocks assembly.

### Accessories

| Description              | Color                           | Type                               | Order code      | Pkg pce         | Weight (1 pce) g |        |      |
|--------------------------|---------------------------------|------------------------------------|-----------------|-----------------|------------------|--------|------|
| 1 End stops              | Grey <input type="checkbox"/>   | BADRL                              | 1SNA199420R2100 | 50              | 2.00             |        |      |
| 2 End sections           | Grey <input type="checkbox"/>   | FEAD1                              | 1SNA199421R1600 | 20              | 1.30             |        |      |
| 3 Jumper bars            | Orange <input type="checkbox"/> | 2 poles                            | 13.5 A          | BJAD05-2        | 1SNA205955R0300  | 20     | 1.00 |
|                          |                                 | 3 poles                            |                 | BJAD05-3        | 1SNA205956R0400  | 20     | 1.00 |
|                          |                                 | 10 poles                           |                 | BJAD05-10       | 1SNA205963R0300  | 10     | 5.00 |
| 4 Lateral jumper bars    | Grey <input type="checkbox"/>   | 2 poles                            | 30 A            | PC5-2           | 1SNA113542R1000  | 10     | 1.80 |
|                          |                                 | 10 poles                           |                 | PC5-10          | 1SNA113544R1200  | 10     | 6.00 |
| 5 Insulating tips        |                                 | For lateral jumper bars type PC... | EIP             | 1SNA113550R2400 | 10               |        |      |
| 6 Circuit separators     | Grey <input type="checkbox"/>   | FEAD5                              | 1SNA199433R1200 | 20              | 1.80             |        |      |
| 7 Tools                  |                                 | Semi automatic tool                | OUPAD           | 1SNA178944R0400 | 1                | 205.00 |      |
|                          |                                 | Hand tool                          | OUMAD           | 1SNA179466R0600 | 1                | 29.00  |      |
| 8 Terminal block markers | White <input type="checkbox"/>  | Blank card                         | RC55            | 1SNA230000R1200 | 1                | 2.90   |      |

Complete list of accessories is indicated in the terminal block datasheet.

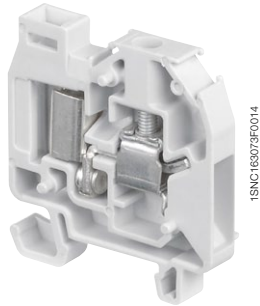
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

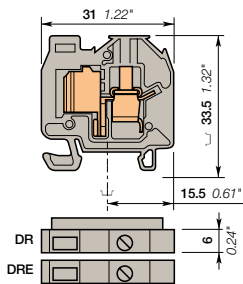
# DR4/6.ADO IDC terminal blocks

## Miniblocks ADO - screw clamp - 6 mm 0.236 in spacing



DR4/6.ADO

6



6 mm 0.236 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description  | Color                                 | Type                                     | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|---------------------------------------|--|-----------------|---------|------------------|
| Feed-through | With rib                              | Grey <input type="checkbox"/> DR4/6.ADO  | 1SNA199275R0300 | 100     | 5.00             |
|              | Without rib for TB assembly extremity | Grey <input type="checkbox"/> DRE4/6.ADO | 1SNA299552R0500 | 20      | 5.00             |

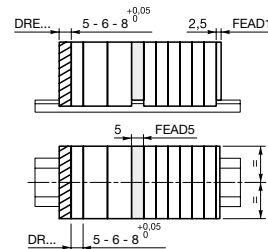
### Main technical data

|   |  | IEC   | UL  | CSA           | Mounting instructions |  |
|---|--|---|---|---------------|-----------------------|--|
| ADO                                     |  | Rigid - Solid / Stranded<br>Flexible                                    | 0.28-1.5 mm <sup>2</sup><br>0.34-1.5 mm <sup>2</sup>  | 22-16 AWG     | Rail                  | TH 15-5.5                                |
| Screw clamp                             |  | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.2-4 mm <sup>2</sup><br>0.22-4 mm <sup>2</sup><br>A4 | 22-10 AWG     | Wire stripping length | 9.5 mm<br>0.374 in                       |
| Rated current / Rated cross section     |  | 17.5 A / 1.5 mm <sup>2</sup>  |   | 20 A / 16 AWG | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Rated short-time withstand current (1s) |  | 180 A   |   |               | Torque                | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| Rated voltage                           |  | 800 V   |   | 600 V         |                       |  |
| Impulse withstand voltage               |  | 8000 V  |   |               |                       |  |
| Protection                              |  | IP20  |   | NEMA 1        |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Notes



- End section FEAD1 to be mounted directly on the open part of the terminal block.
- End terminal block DRE has to be mounted at the end of the terminal blocks assembly: it reduces its size, because it suppresses the insulation rib (- 4 mm).
- Nota: This terminal block cannot be accidentally located anywhere else into the terminal block assembly (without locking holes)
- Separator FEAD5 which snaps on the terminal blocks, separates and makes visible the different parts of the terminal blocks assembly.

### Accessories

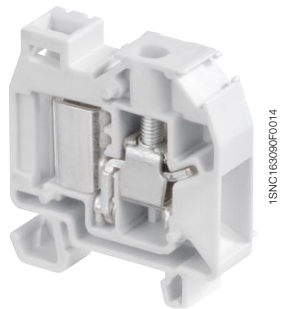
| Description              | Color                           | Type                               | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|---------------------------------|------------------------------------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>   | BADRL                              | 1SNA199420R2100 | 50      | 2.00             |
| 2 End sections           | Grey <input type="checkbox"/>   | FEAD1                              | 1SNA199421R1600 | 20      | 1.30             |
| 3 Jumper bars            | Orange <input type="checkbox"/> | 2 poles                            | 1SNA205974R0600 | 20      | 1.00             |
|                          |                                 | 3 poles                            | 1SNA205975R0700 | 20      | 1.00             |
|                          |                                 | 10 poles                           | 1SNA205982R2700 | 10      | 6.00             |
| 4 Lateral jumper bars    | Grey <input type="checkbox"/>   | 2 poles                            | 1SNA113546R1400 | 10      | 2.00             |
|                          |                                 | 3 poles                            | 1SNA116536R0500 | 10      | 2.00             |
|                          |                                 | 4 poles                            | 1SNA116537R0600 | 10      | 1.00             |
|                          |                                 | 10 poles                           | 1SNA113548R2600 | 10      | 8.00             |
|                          |                                 | EIP                                | 1SNA113550R2400 | 10      |                  |
| 5 Insulating tips        |                                 | For lateral jumper bars type PC... |                 |         |                  |
| 6 Circuit separators     | Grey <input type="checkbox"/>   | FEAD5                              | 1SNA199433R1200 | 20      | 1.80             |
| 7 Tools                  |                                 | Semi automatic tool                | OUPAD           | 1       | 205.00           |
|                          |                                 | Hand tool                          | OUMAD           | 1       | 29.00            |
| 8 Terminal block markers | White <input type="checkbox"/>  | RC65                               | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

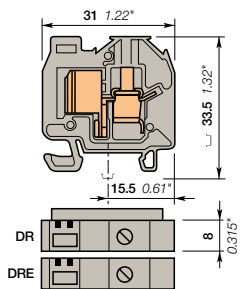
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# DR4/8.ADO IDC terminal blocks

## Miniblocks ADO - screw clamp - 8 mm 0.315 in spacing



DR4/8.ADO



8 mm 0.315 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description   | Color | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------|------------|-----------------|---------|------------------|
| <b>Feed-through</b> With rib and 2 notches for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG)          | Grey  | DR4/8.ADO  | 1SNA199279R1700 | 100     | 7.00             |
| Without rib for TB assembly extremity and 2 notches for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG) | Grey  | DRE4/8.ADO | 1SNA299553R0600 | 20      | 7.00             |

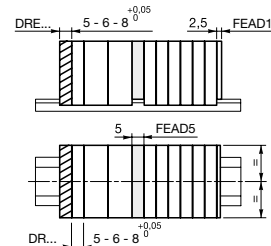
### Main technical data

|  |                                 | IEC                        | UL            | CSA | Mounting instructions |  |
|--|---------------------------------|----------------------------|---------------|-----|-----------------------|--|
| ADO  | Rigid - Solid / Stranded        | 1-2.5 mm <sup>2</sup>      | 16-14 AWG     |     | Rail                  | TH 15-5.5                                |
|  | Flexible                        | 1-2.5 mm <sup>2</sup>      |               |     | Wire stripping length | 9.5 mm 0.374 in                          |
| Screw clamp                                    | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>      | 22-10 AWG     |     | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
|  | Flexible with insulated ferrule | 0.22-4 mm <sup>2</sup>     |               |     |                       |  |
|  | Gauge                           | A4                         |               |     |                       |  |
| <b>Rated current / Rated cross section</b>     |                                 | 24 A / 2.5 mm <sup>2</sup> | 25 A / 14 AWG |     | Torque                | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| <b>Rated short-time withstand current (1s)</b> |                                 | 300 A                      |               |     |                       |  |
| <b>Rated voltage</b>                           |                                 | 1000 V                     | 600 V         |     |                       |  |
| <b>Impulse withstand voltage</b>               |                                 | 8000 V                     |               |     |                       |  |
| <b>Protection</b>                              |                                 | IP20                       | NEMA 1        |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |    |     |      |    |     |      |    |     |
|------|----|-----|------|----|-----|------|----|-----|
| RoHS | UL | CSA | RoHS | UL | CSA | RoHS | UL | CSA |
|------|----|-----|------|----|-----|------|----|-----|

### Notes

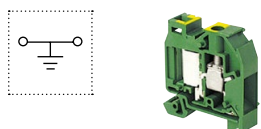
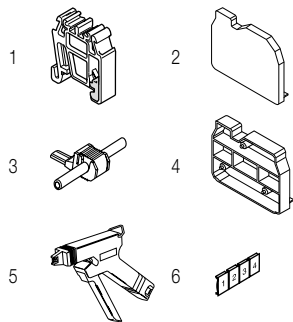


- End section FEAD1 to be mounted directly on the open part of the terminal block.
- End terminal block DRE has to be mounted at the end of the terminal blocks assembly: it reduces its size, because it suppresses the insulation rib (- 4 mm).
- Nota: This terminal block cannot be accidentally located anywhere else into the terminal block assembly (without locking holes)
- Separator FEAD5 which snaps on the terminal blocks, separates and makes visible the different parts of the terminal blocks assembly.

### Accessories

| Description                                | Color               | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|--|---------------------|--------|-----------------|---------|------------------|
| 1 <b>End stops</b> 6.5 mm 0.256 in         | Grey                | BADRL  | 1SNA199420R2100 | 50      | 2.00             |
| 2 <b>End sections</b> 2.5 mm 0.098 in      | Grey                | FEAD1  | 1SNA199421R1600 | 20      | 1.30             |
| 3 <b>Jumper bars</b> 1 poles 24 A          | Grey                | AD2.5  | 1SNA114205R2000 | 50      | 1.60             |
| 4 <b>Circuit separators</b> 5 mm 0.197 in  | Grey                | FEAD5  | 1SNA199433R1200 | 20      | 1.80             |
| 5 <b>Tools</b>                             | Semi automatic tool | OUPAD  | 1SNA178944R0400 | 1       | 205.00           |
|  | Hand tool           | OUMAD  | 1SNA179466R0600 | 1       | 29.00            |
| 6 <b>Terminal block markers</b> Blank card |                     | RCAL85 | 1SNA237000R0500 | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



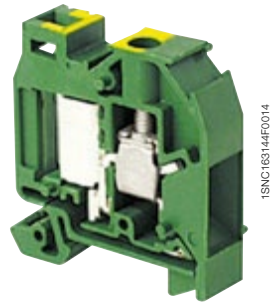
### Ground IDC terminal blocks

| Description                                  | Color        | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------|------------|-----------------|---------|------------------|
| <b>Ground</b> Profile aligned with DR4/8.ADO | Green-yellow | DR4/8.PADO | 1SNA299632R0500 | 100     | 8.00             |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

# DR4/8.P.ADO IDC Terminal Blocks

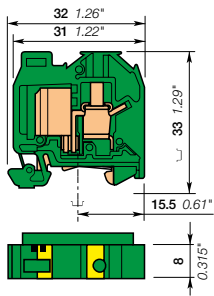
## Miniblocks ADO - screw clamp - 8 mm 0.315 in Spacing



1SNC163144F0014

DR4/8.P.ADO

6



8 mm 0.315 in Spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- Protect your installation in the event of a short-circuit thanks to our screwless rail contact non operator dependent,
- Secure mounting or removal from the rail,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering Details

| Description   | Color        | Type        | Order Code      | Pkg pce | Weight (1 pce) g |
|---|--------------|-------------|-----------------|---------|------------------|
| Ground<br>Ground with 2 notches for wire size 1-2.5 mm² (16-14 AWG) | Green-Yellow | DR4/8.P.ADO | 1SNA299632R0500 | 100     | 8.00             |

### Main Technical Data

|   |  | IEC                           | UL   | CSA | Mounting Instructions |  |
|---|--|-------------------------------|------|-----|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible                                 | 1-2.5 mm²<br>1-2.5 mm²        |      |     | Rail                  | TH 15-5.5                                |
|   |  |                               |      |     | Wire stripping length | 9.5 mm<br>0.374 in                       |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible with insulated ferrule<br>Gauge | 0.2-4 mm²<br>0.22-4 mm²<br>A4 |      |     | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Rated cross section                     |  | 2.5 mm²                       |      |     | Torque                | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| Rated short-time withstand current (1s) |  | 300 A                         |      |     |                       |  |
| Protection                              |  |                               | NEMA |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

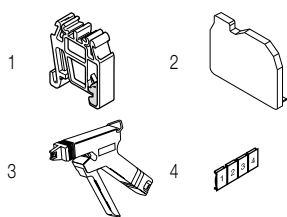
|      |      |  |        |
|------|------|--|--------|
| RoHS | RoHS |  | Gost R |
|------|------|--|--------|

### Accessories

| Description              | Color | Type           | Order Code                         | Pkg pce | Weight (1 pce) g |
|--------------------------|-------|----------------|------------------------------------|---------|------------------|
| 1 End Stops              | Grey  | BADRL          | 1SNA199420R2100                    | 50      | 2.00             |
| 2 End Sections           | Grey  | FEAD1          | 1SNA199421R1600                    | 20      | 1.30             |
| 3 Tools                  |       | OUPAD<br>OUMAD | 1SNA178944R0400<br>1SNA179466R0600 | 1<br>1  | 205.00<br>29.00  |
| 4 Terminal block markers |       | RCAL85         | 1SNA237000R0500                    | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet.

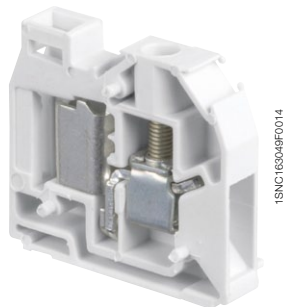
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



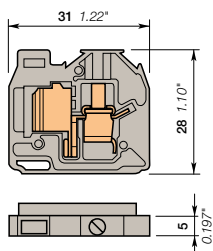
All the technical data for UL/CSA standard and dimensions in inches are in italic.  
Technical data valid for copper conductors only.

# DB2.5/5.ADO IDC terminal blocks

## Miniblocks ADO - screw clamp - 5 mm 0.197 in spacing



DB2.5/5.ADO



5 mm 0.197 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Easy base mounting thanks to the usage of flanges.
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description  | Color                         | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|-------------------------------|-------------|-----------------|---------|------------------|
| Feed-through | Grey <input type="checkbox"/> | DB2.5/5.ADO | 1SNA399519R0000 | 100     | 4.00             |

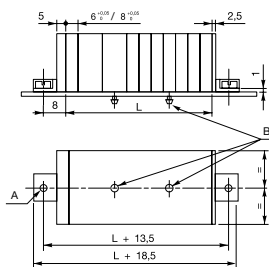
### Main technical data

|   |                                       | IEC                            | UL            | CSA | Mounting instructions |  |
|---|---------------------------------------|--------------------------------|---------------|-----|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded              | 0.2-1 mm <sup>2</sup>          | 24-18 AWG     |     | Wire stripping length | 9.5 mm 0.374 in                            |
|   | Flexible                              | 0.22-1 mm <sup>2</sup>         |               |     |                       |  |
| Screw clamp                             | Rigid - Solid / Stranded              | 0.2-4 mm <sup>2</sup>          | 24-12 AWG     |     | Tool                  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
|   | Flexible with insulated ferrule Gauge | 0.22-2.5 mm <sup>2</sup><br>A3 |               |     |                       |  |
| Rated current / Rated cross section     |                                       | 13.5 A / 1 mm <sup>2</sup>     | 10 A / 18 AWG |     | Torque                | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in           |
| Rated short-time withstand current (1s) |                                       | 120 A                          |               |     |                       |  |
| Rated voltage                           |                                       | 800 V                          | 600 V         |     |                       |  |
| Impulse withstand voltage               |                                       | 8000 V                         |               |     |                       |  |
| Protection                              |                                       | IP20                           | NEMA 1        |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |      |    |    |     |     |    |    |        |        |
|------|------|----|----|-----|-----|----|----|--------|--------|
| RoHS | RoHS | UL | UL | CSA | CSA | PC | PC | Gost R | Gost R |
|------|------|----|----|-----|-----|----|----|--------|--------|

### Notes

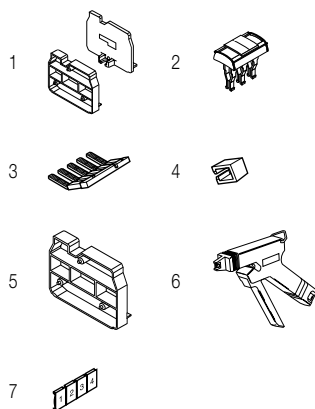


- A: 2 holes DIA 3.2 mm for 3 mm screw max. with cylindrical head (not supplied).
- L = (N blocks x 6) + (N blocks x 8)
- Plate thickness 0.6 to 1.2 mm
- Intermediate mounting of DH blocks every 2 blocks (spacing 8 mm) or 3 blocks (spacing 6 mm)

### Accessories

| Description  | Color                           | Type                | Order code      | Pkg pce         | Weight (1 pce) g |        |
|--|---------------------------------|---------------------|-----------------|-----------------|------------------|--------|
| 1 End section kits                                   | Grey <input type="checkbox"/>   | FEAD3               | 1SNA199437R1600 | 20              | 3.00             |        |
| 2 Jumper bars  | Orange <input type="checkbox"/> | 2 poles 13.5 A      | BJAD05-2        | 1SNA205955R0300 | 20               | 1.00   |
|  |                                 | 3 poles             | BJAD05-3        | 1SNA205956R0400 | 20               | 1.00   |
|  |                                 | 10 poles            | BJAD05-10       | 1SNA205963R0300 | 10               | 5.00   |
| 3 Lateral jumper bars                                | Grey <input type="checkbox"/>   | 2 poles 30 A        | PC5-2           | 1SNA113542R1000 | 10               | 1.80   |
|  |                                 | 10 poles            | PC5-10          | 1SNA113544R1200 | 10               | 6.00   |
|  |                                 |                     | EIP             | 1SNA113550R2400 | 10               |        |
| 4 Insulating tips For lateral jumper bars type PC... |                                 |                     |                 |                 |                  |        |
| 5 Circuit separators 5 mm 0.197 in                   | Grey <input type="checkbox"/>   | FEAD5               | 1SNA199433R1200 | 20              | 1.80             |        |
| 6 Tools  |                                 | Semi automatic tool | OUPAD           | 1SNA178944R0400 | 1                | 205.00 |
|  |                                 | Hand tool           | OUMAD           | 1SNA179466R0600 | 1                | 29.00  |
| 7 Terminal block markers Blank card                  | White <input type="checkbox"/>  | RC55                | 1SNA230000R1200 | 1               | 2.90             |        |

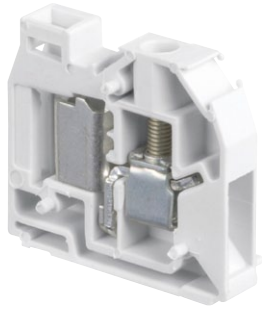
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

# DB4/6.ADO IDC terminal blocks

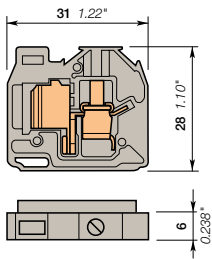
## Miniblocks ADO - screw clamp - 6 mm 0.236 in spacing



1SNC163049F0014

DB4/6.ADO

6



6 mm 0.236 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Easy base mounting thanks to the usage of flanges.
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description  | Color                         | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|-------------------------------|-----------|-----------------|---------|------------------|
| Feed-through | Grey <input type="checkbox"/> | DB4/6.ADO | 1SNA299505R0700 | 100     | 5.00             |

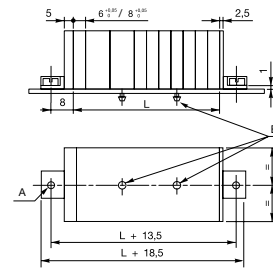
### Main technical data

|   |                                 | IEC                          | UL            | CSA | Mounting instructions |  |
|---|---------------------------------|------------------------------|---------------|-----|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded        | 0.28-1.5 mm <sup>2</sup>     | 22-16 AWG     |     | Wire stripping length | 9.5 mm / 0.374 in                        |
|   | Flexible                        | 0.34-1.5 mm <sup>2</sup>     | 22-16 AWG     |     | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Screw clamp                             | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>        | 22-10 AWG     |     | Torque                | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
|   | Flexible with insulated ferrule | 0.22-4 mm <sup>2</sup>       |               |     |                       |  |
| Gauge                                   |                                 | A4                           |               |     |                       |  |
| Rated current / Rated cross section     |                                 | 17.5 A / 1.5 mm <sup>2</sup> | 20 A / 16 AWG |     |                       |  |
| Rated short-time withstand current (1s) |                                 | 180 A                        |               |     |                       |  |
| Rated voltage                           |                                 | 800 V                        | 600 V         |     |                       |  |
| Impulse withstand voltage               |                                 | 8000 V                       |               |     |                       |  |
| Protection                              |                                 | IP20                         | NEMA 1        |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|       |      |     |         |      |       |       |        |
|-------|------|-----|---------|------|-------|-------|--------|
| RoHS: | RoHS | UL: | ULR CNR | CSA: | CSAus | Gost: | Gost R |
|-------|------|-----|---------|------|-------|-------|--------|

### Notes



- A: 2 holes DIA 3.2 mm for 3 mm screw max. with cylindrical head (not supplied).
- L = (N blocks x 6) + (N blocks x 8)
- Plate thickness 0.6 to 1.2 mm
- Intermediate mounting of DH blocks every 2 blocks (spacing 8 mm) or 3 blocks (spacing 6 mm)

### Accessories

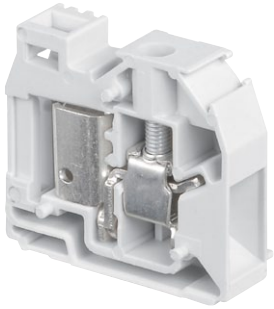
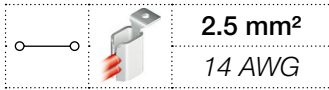
| Description              | Color                           | Type           | Order code      | Pkg pce         | Weight (1 pce) g |      |
|--------------------------|---------------------------------|----------------|-----------------|-----------------|------------------|------|
| 1 End section kits       | Grey <input type="checkbox"/>   | FEAD3          | 1SNA199437R1600 | 20              | 3.00             |      |
| 2 Jumper bars            | Orange <input type="checkbox"/> | 2 poles 17.5 A | BJADO6-2        | 1SNA205974R0600 | 20               | 1.00 |
|                          |                                 | 3 poles        | BJADO6-3        | 1SNA205975R0700 | 20               | 1.00 |
|                          |                                 | 10 poles       | BJADO6-10       | 1SNA205982R2700 | 10               | 6.00 |
| 3 Lateral jumper bars    | Grey <input type="checkbox"/>   | 2 poles 35 A   | PC6-2           | 1SNA113546R1400 | 10               | 2.00 |
|                          |                                 | 3 poles        | PC6-3           | 1SNA116536R0500 | 10               | 2.00 |
|                          |                                 | 4 poles        | PC6-4           | 1SNA116537R0600 | 10               | 1.00 |
|                          |                                 | 10 poles       | PC6-10          | 1SNA113548R2600 | 10               | 8.00 |
| 4 Insulating tips        |                                 | EIP            | 1SNA113550R2400 | 10              |                  |      |
| 5 Circuit separators     | Grey <input type="checkbox"/>   | FEAD5          | 1SNA199433R1200 | 20              | 1.80             |      |
| 6 Tools                  |                                 | OUPAD          | 1SNA178944R0400 | 1               | 205.00           |      |
|                          |                                 | OUMAD          | 1SNA179466R0600 | 1               | 29.00            |      |
| 7 Terminal block markers | White <input type="checkbox"/>  | RC65           | 1SNA232000R0000 | 1               | 3.60             |      |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

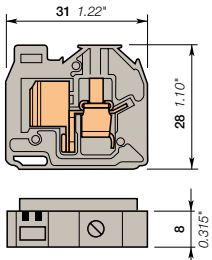
# DB4/8.ADO IDC terminal blocks

## Miniblocks ADO - screw clamp - 8 mm 0.315 in spacing



1SNC163039F0014

DB4/8.ADO



8 mm 0.315 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allows installators to connect on standard screw clamp,
- Easy base mounting thanks to the usage of flanges.
- Up to 2 wires per connection in the ADO System® connection.

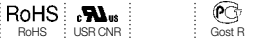
### Ordering details

| Description  | Color                         | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|-----------|-----------------|---------|------------------|
| <b>Feed-through</b> With 2 notches for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG) | Grey <input type="checkbox"/> | DB4/8.ADO | 1SNA299509R1300 | 100     | 7.00             |

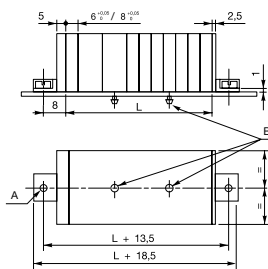
### Main technical data

|  |                                       | IEC                          | UL            | CSA | Mounting instructions |  |
|--|---------------------------------------|------------------------------|---------------|-----|-----------------------|--|
|  |                                       |                              |               |     | Rail                  |  |
| <b>ADO</b>                                     | Rigid - Solid / Stranded              | 1-2.5 mm <sup>2</sup>        | 16-14 AWG     |     | Wire stripping length | 9.5 mm 0.374 in                          |
|  | Flexible                              | 1-2.5 mm <sup>2</sup>        |               |     |                       |  |
| <b>Screw clamp</b>                             | Rigid - Solid / Stranded              | 0.2-4 mm <sup>2</sup>        | 22-10 AWG     |     | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
|  | Flexible with insulated ferrule Gauge | 0.22-4 mm <sup>2</sup><br>A4 |               |     |                       |  |
| <b>Rated current / Rated cross section</b>     |                                       | 24 A / 2.5 mm <sup>2</sup>   | 25 A / 14 AWG |     | Torque                | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| <b>Rated short-time withstand current (1s)</b> |                                       | 300 A                        |               |     |                       |  |
| <b>Rated voltage</b>                           |                                       | 800 V                        | 600 V         |     |                       |  |
| <b>Impulse withstand voltage</b>               |                                       | 8000 V                       |               |     |                       |  |
| <b>Protection</b>                              |                                       | IP20                         | NEMA 1        |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Notes

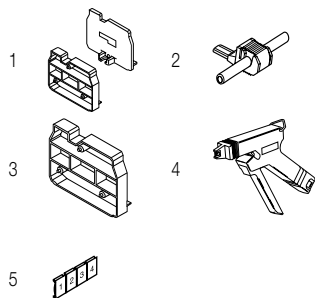


- A: 2 holes DIA 3.2 mm for 3 mm screw max. with cylindrical head (not supplied).
- L = (N blocks x 6) + (N blocks x 8)
- Plate thickness 0.6 to 1.2 mm
- Intermediate mounting of DH blocks every 2 blocks (spacing 8 mm) or 3 blocks (spacing 6 mm)

### Accessories

| Description                                | Color                         | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|--------|-----------------|---------|------------------|
| <b>1 End section kits</b>                  | Grey <input type="checkbox"/> | FEAD3  | 1SNA199437R1600 | 20      | 3.00             |
| <b>2 Jumper bars</b> 1 poles 24 A          | Grey <input type="checkbox"/> | AD2.5  | 1SNA114205R2000 | 50      | 1.60             |
| <b>3 Circuit separators</b> 5 mm 0.197 in  | Grey <input type="checkbox"/> | FEAD5  | 1SNA199433R1200 | 20      | 1.80             |
| <b>4 Tools</b> Semi automatic tool         |                               | OUPAD  | 1SNA178944R0400 | 1       | 205.00           |
|  |                               | OUMAD  | 1SNA179466R0600 | 1       | 29.00            |
| <b>5 Terminal block markers</b> Blank card |                               | RCAL85 | 1SNA237000R0500 | 1       | 2.90             |

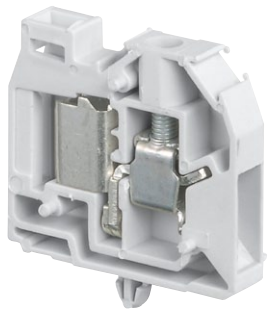
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# DH4/6.ADO IDC terminal blocks

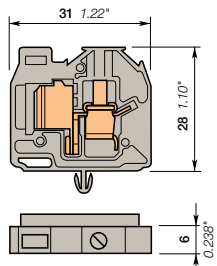
## Miniblocks ADO - screw clamp - 6 mm 0.236 in spacing



1SNC163046P014

DH4/6.ADO

6



6 mm 0.236 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- This solution brings all the benefits of the ADO System® and allow installators to connect on standard screw clamp,
- Easy base mounting thanks to snap in mounting foot,
- Up to 2 wires per connection in the ADO System® connection.

### Ordering details

| Description  | Color                         | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|-------------------------------|-----------|-----------------|---------|------------------|
| Feed-through | Grey <input type="checkbox"/> | DH4/6.ADO | 1SNA299521R2600 | 100     | 5.00             |

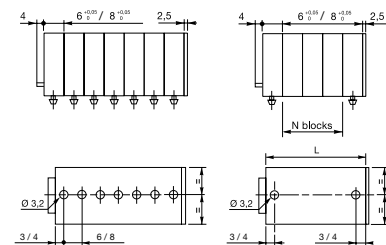
### Main technical data

|   |                                 | IEC                          | UL            | CSA | Mounting instructions |  |
|---|---------------------------------|------------------------------|---------------|-----|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded        | 0.28-1.5 mm <sup>2</sup>     | 22-16 AWG     |     | Rail                  |  |
|   | Flexible                        | 0.34-1.5 mm <sup>2</sup>     |               |     | Wire stripping length | 9.5 mm<br>0.374 in                       |
| Screw clamp                             | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>        | 22-10 AWG     |     | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
|   | Flexible with insulated ferrule | 0.22-4 mm <sup>2</sup>       |               |     |                       |  |
|   | Gauge                           | A4                           |               |     | Torque                | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| Rated current / Rated cross section     |                                 | 17.5 A / 1.5 mm <sup>2</sup> | 20 A / 16 AWG |     |                       |  |
| Rated short-time withstand current (1s) |                                 | 180 A                        |               |     |                       |  |
| Rated voltage                           |                                 | 800 V                        | 600 V         |     |                       |  |
| Impulse withstand voltage               |                                 | 8000 V                       |               |     |                       |  |
| Protection                              |                                 | IP20                         | NEMA 1        |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|             |              |         |
|-------------|--------------|---------|
| RoHS:  RoHS | UL:  USR CNR | Gost R: |
|-------------|--------------|---------|

### Notes



L = (N blocks x 6) + (N blocks x 8)  
 N blocks = 3 blocks max. with 6 mm spacing  
 2 blocks max. with 8 mm spacing  
 Plate thickness 0.6 to 1.2 mm

### Accessories

| Description              | Color                           | Type           | Order code      | Pkg pce         | Weight (1 pce) g |      |
|--------------------------|---------------------------------|----------------|-----------------|-----------------|------------------|------|
| 1 End section            | Grey <input type="checkbox"/>   | FEAD1          | 1SNA199421R1600 | 20              | 1.30             |      |
| 2 Jumper bars            | Orange <input type="checkbox"/> | 2 poles 17.5 A | BJADO6-2        | 1SNA205974R0600 | 20               | 1.00 |
|                          |                                 | 3 poles        | BJADO6-3        | 1SNA205975R0700 | 20               | 1.00 |
|                          |                                 | 10 poles       | BJADO6-10       | 1SNA205982R2700 | 10               | 6.00 |
| 3 Lateral jumper bars    | Grey <input type="checkbox"/>   | 2 poles 35 A   | PC6-2           | 1SNA113546R1400 | 10               | 2.00 |
|                          |                                 | 3 poles        | PC6-3           | 1SNA116536R0500 | 10               | 2.00 |
|                          |                                 | 4 poles        | PC6-4           | 1SNA116537R0600 | 10               | 1.00 |
|                          |                                 | 10 poles       | PC6-10          | 1SNA113548R2600 | 10               | 8.00 |
| 4 Insulating tips        |                                 | EIP            | 1SNA113550R2400 | 10              |                  |      |
| 5 Circuit separators     | Grey <input type="checkbox"/>   | FEAD5          | 1SNA199433R1200 | 20              | 1.80             |      |
| 6 Tools                  |                                 | OUPAD          | 1SNA178944R0400 | 1               | 205.00           |      |
|                          |                                 | OUMAD          | 1SNA179466R0600 | 1               | 29.00            |      |
| 7 Terminal block markers | White <input type="checkbox"/>  | RC65           | 1SNA232000R0000 | 1               | 3.60             |      |

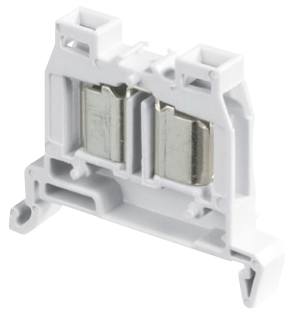
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.



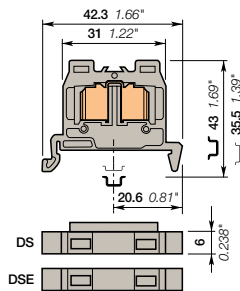
# DS1.5/6.ADO IDC terminal blocks

## Miniblocks ADO - ADO - 6 mm 0.236 in spacing



1SNC16306R0014

DS1.5/6.ADO



6 mm 0.236 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description  | Color | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|-------|--------------|-----------------|---------|------------------|
| Feed-through | Grey  | DS1.5/6.ADO  | 1SNA299497R2700 | 100     | 4.00             |
|              | Grey  | DSE1.5/6.ADO | 1SNA299558R1300 | 20      | 4.00             |

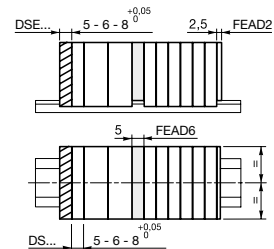
### Main technical data

|   | IEC                    | UL            | CSA       | Mounting instructions |                     |
|---|------------------------|---------------|-----------|-----------------------|---------------------|
| ADO                                     | Rigid Solid / Stranded | 0.28-1.5 mm²  | 22-16 AWG | Rail                  | TH 35-7.5, TH 35-15 |
|   | Flexible               | 0.34-1.5 mm²  |           | Wire stripping length |                     |
| Screw clamp                             | Rigid Solid / Stranded |               |           | Tool                  |                     |
|   | Flexible               |               |           |                       |                     |
|   | with insulated ferrule |               |           |                       |                     |
| Gauge                                   |                        |               |           |                       |                     |
| Rated current / Rated cross section     | 17.5 A / 1.5 mm²       | 20 A / 16 AWG |           | Torque                |                     |
| Rated short-time withstand current (1s) | 180 A                  |               |           |                       |                     |
| Rated voltage                           | 1000 V                 | 600 V         |           |                       |                     |
| Impulse withstand voltage               |                        |               |           |                       |                     |
| Protection                              | IP20                   | NEMA 1        |           |                       |                     |

The connecting capacity data for one Rigid Solid / Stranded Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |      |    |    |     |     |        |        |
|------|------|----|----|-----|-----|--------|--------|
| RoHS | RoHS | UL | UL | CSA | CSA | Gost R | Gost R |
|------|------|----|----|-----|-----|--------|--------|

### Notes



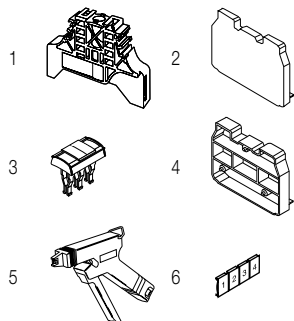
- End section FEAD2 to be mounted directly on the open part of the terminal block.
- End terminal block DSE has to be mounted at the end of the terminal blocks assembly: It reduces its size, because it suppresses the insulation rib (- 4 mm).
- Nota: This terminal block cannot be accidentally located anywhere else into the terminal block assembly (without locking holes)
- Separator FEAD6 which snaps on the terminal blocks, separates and makes visible the different parts of the terminal blocks assembly.

### Accessories

| Description              | Color  | Type                | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|--------|---------------------|-----------------|---------|------------------|
| 1 End stops              | Grey   | BAM2                | 1SNA206351R1600 | 50      | 12.00            |
|                          |        | BADL                | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections           | Grey   | FEAD2               | 1SNA199423R1000 | 20      | 1.30             |
| 3 Jumper bars            | Orange | 2 poles             | 1SNA205974R0600 | 20      | 1.00             |
|                          |        | 3 poles             | 1SNA205975R0700 | 20      | 1.00             |
|                          |        | 10 poles            | 1SNA205982R2700 | 10      | 6.00             |
|                          |        | 5 mm                | 1SNA199435R1400 | 20      | 1.80             |
| 4 Circuit separators     | Grey   | FEAD6               | 1SNA199435R1400 | 20      | 1.80             |
|                          |        | OUPAD               | 1SNA178944R0400 | 1       | 205.00           |
|                          |        | OUMAD               | 1SNA179466R0600 | 1       | 29.00            |
| 5 Tools                  |        | Semi automatic tool |                 |         |                  |
|                          |        | Hand tool           |                 |         |                  |
| 6 Terminal block markers | White  | Blank card          | RC65            | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet.

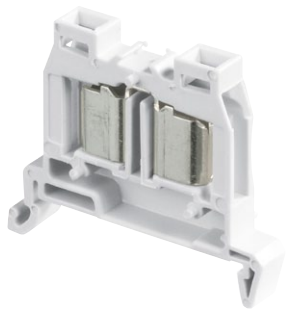
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

# DS2.5/8.ADO IDC terminal blocks

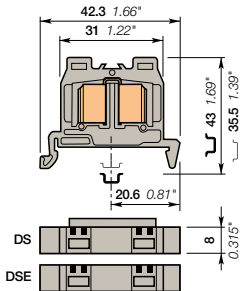
## Miniblocks ADO - ADO - 8 mm 0.315 in spacing



1SNC16306F0014

DS2.5/8.ADO

6



8 mm 0.315 in spacing




### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description   | Color | Type                                  | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------|---------------------------------------|-----------------|---------|------------------|
| <b>Feed-through</b> With rib and 2 notches for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG)          | Grey  | <input type="checkbox"/> DS2.5/8.ADO  | 1SNA299501R0300 | 100     | 6.00             |
| Without rib for TB assembly extremity and 2 notches for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG) | Grey  | <input type="checkbox"/> DSE2.5/8.ADO | 1SNA299559R1400 | 20      | 6.00             |

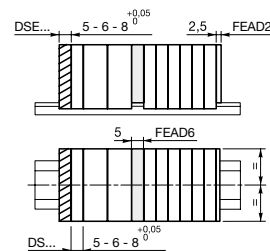
### Main technical data

|  |                                 | IEC                        | UL            | CSA | Mounting instructions  |
|--|---------------------------------|----------------------------|---------------|-----|--|
| <b>ADO</b>                                     | Rigid - Solid / Stranded        | 1-2.5 mm <sup>2</sup>      | 16-14 AWG     |     | Rail  TH 35-7.5, TH 35-15 |
|  | Flexible                        | 1-2.5 mm <sup>2</sup>      |               |     | Wire stripping length     |
| <b>Screw clamp</b>                             | Rigid - Solid / Stranded        |                            |               |     | Tool   |
|  | Flexible with insulated ferrule |                            |               |     |  |
|  | Gauge                           |                            |               |     |  |
| <b>Rated current / Rated cross section</b>     |                                 | 24 A / 2.5 mm <sup>2</sup> | 25 A / 14 AWG |     |  |
| <b>Rated short-time withstand current (1s)</b> |                                 | 300 A                      |               |     |  |
| <b>Rated voltage</b>                           |                                 | 1000 V                     | 600 V         |     |  |
| <b>Impulse withstand voltage</b>               |                                 |                            |               |     | Torque                  |
| <b>Protection</b>                              |                                 | IP20                       | NEMA 1        |     |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |      |        |        |
|------|------|--------|--------|
| RoHS | RoHS | CCSAus | Gost R |
|------|------|--------|--------|

### Notes



- End section FEAD2 to be mounted directly on the open part of the terminal block.
- End terminal block DSE has to be mounted at the end of the terminal blocks assembly: It reduces its size, because it suppresses the insulation rib (- 4 mm).
- Nota: This terminal block cannot be accidentally located anywhere else into the terminal block assembly (without locking holes)
- Separator FEAD6 which snaps on the terminal blocks, separates and makes visible the different parts of the terminal blocks assembly.

### Accessories

| Description                     | Color | Type                           | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------|-------|--------------------------------|-----------------|---------|------------------|
| <b>1 End stops</b>              | Grey  | <input type="checkbox"/> BAM2  | 1SNA206351R1600 | 50      | 12.00            |
|                                 |       | <input type="checkbox"/> BADL  | 1SNA399903R0200 | 50      | 4.70             |
| <b>2 End sections</b>           | Grey  | <input type="checkbox"/> FEAD2 | 1SNA199423R1000 | 20      | 1.30             |
| <b>3 Circuit separators</b>     | Grey  | <input type="checkbox"/> FEAD6 | 1SNA199435R1400 | 20      | 1.80             |
| <b>4 Tools</b>                  |       | Semi automatic tool            | OUPAD           | 1       | 205.00           |
|                                 |       | Hand tool                      | OUMAD           | 1       | 29.00            |
| <b>5 Terminal block markers</b> |       | Blank card                     | RCAL85          | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

### Ground IDC terminal blocks

| Description   | Color        | Type                                   | Order code      | Pkg pce | Weight (1 pce) g |
|---------------|--------------|--|-----------------|---------|------------------|
| <b>Ground</b> | Green-yellow | <input type="checkbox"/> DS2.5/8.P.ADO | 1SNA199528R2100 | 100     | 10.00            |

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

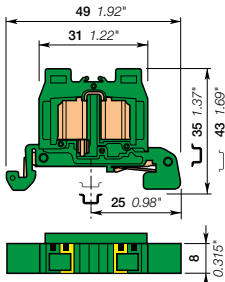
# DS2.5/8.P.ADO IDC terminal blocks

## Miniblocks ADO - ADO - 8 mm 0.315 in spacing

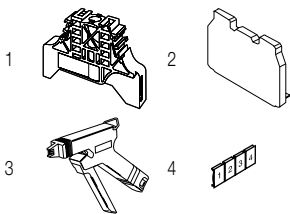


1SNC163140F0014

DS2.5/8.P.ADO



8 mm 0.315 in spacing



### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- Protect your installation in the event of a short-circuit thanks to our screwless rail contact non operator dependent,
- Secure mounting or removal from the rail,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Up to 2 wires per connection.

### Ordering details

| Description | Color        | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|--------------|---------------|-----------------|---------|------------------|
| Ground      | Green-yellow | DS2.5/8.P.ADO | 1SNA199528R2100 | 100     | 10.00            |

### Main technical data

|   |   | IEC  | UL        | CSA | Mounting instructions          |
|---|---|--|-----------|-----|--------------------------------|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible                                    | 1-2.5 mm <sup>2</sup><br>1-2.5 mm <sup>2</sup> | 16-14 AWG |     | Rail<br>TH 35-7.5,<br>TH 35-15 |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge |  |           |     | Wire stripping length<br>Tool  |
| Rated cross section                     |   | 2.5 mm <sup>2</sup>                            | 14 AWG    |     | Torque                         |
| Rated short-time withstand current (1s) |   | 300 A  |           |     |                                |
| Protection                              |   | IP20   | NEMA 1    |     |                                |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |  |        |        |
|------|--|--------|--------|
| RoHS |  | cCSAus | Gost R |
|------|--|--------|--------|

### Accessories

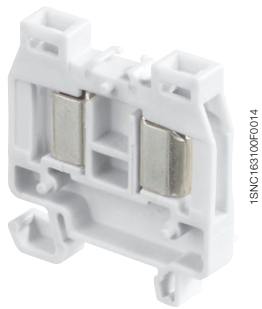
| Description              | Color | Type           | Order code                         | Pkg pce  | Weight (1 pce) g |
|--------------------------|-------|----------------|------------------------------------|----------|------------------|
| 1 End stops              | Grey  | BAM2<br>BADL   | 1SNA206351R1600<br>1SNA399903R0200 | 50<br>50 | 12.00<br>4.70    |
| 2 End sections           | Grey  | FEAD2          | 1SNA199423R1000                    | 20       | 1.30             |
| 3 Tools                  |       | OUPAD<br>OUMAD | 1SNA178944R0400<br>1SNA179466R0600 | 1<br>1   | 205.00<br>29.00  |
| 4 Terminal block markers |       | RCAL85         | 1SNA237000R0500                    | 1        | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

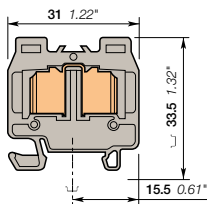
# DR1/5.ADO IDC terminal blocks

## Miniblocks ADO - ADO - 5 mm 0.197 in spacing



DR1/5.ADO

6



5 mm 0.197 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description  | Color                         | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|-------------------------------|------------|-----------------|---------|------------------|
| Feed-through | Grey <input type="checkbox"/> | DR1/5.ADO  | 1SNA399491R2500 | 100     | 3.00             |
|              | Grey <input type="checkbox"/> | DRE1/5.ADO | 1SNA399495R2100 | 20      | 3.00             |

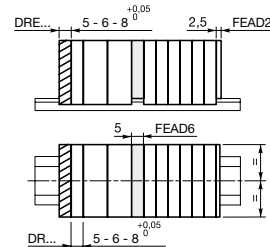
### Main technical data

|   | IEC   | UL                      | CSA       | Mounting instructions |  |           |
|---|---|-------------------------|-----------|-----------------------|--|-----------|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible                                    | 0.2-1 mm²<br>0.22-1 mm² | 24-18 AWG | Rail                  |  | TH 15-5.5 |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge |                         |           | Wire stripping length |  |           |
| Rated current / Rated cross section     | 13.5 A / 1 mm²  | 10 A / 18 AWG           |           | Tool                  |  |           |
| Rated short-time withstand current (1s) | 120 A   |                         |           | Torque                |  |           |
| Rated voltage                           | 1000 V  | 600 V                   |           |                       |  |           |
| Impulse withstand voltage               | 8000 V  |                         |           |                       |  |           |
| Protection                              | IP20  | NEMA 1                  |           |                       |  |           |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Notes



- End section FEAD1 to be mounted directly on the open part of the terminal block.
- End terminal block DRE has to be mounted at the end of the terminal blocks assembly: it reduces its size, because it suppresses the insulation rib (- 4 mm).
- Nota: This terminal block cannot be accidentally located anywhere else into the terminal block assembly (without locking holes)
- Separator FEAD5 which snaps on the terminal blocks, separates and makes visible the different parts of the terminal blocks assembly.

### Accessories

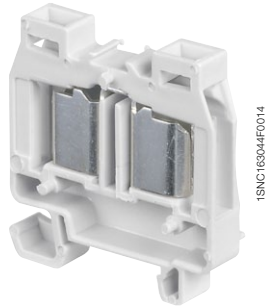
| Description              | Color                           | Type                | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|---------------------------------|---------------------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>   | BADRL               | 1SNA199420R2100 | 50      | 2.00             |
| 2 End sections           | Grey <input type="checkbox"/>   | FEAD2               | 1SNA199423R1000 | 20      | 1.30             |
| 3 Jumper bars            | Orange <input type="checkbox"/> | 2 poles             | 1SNA205955R0300 | 20      | 1.00             |
|                          |                                 | 3 poles             | 1SNA205956R0400 | 20      | 1.00             |
|                          |                                 | 10 poles            | 1SNA205963R0300 | 10      | 5.00             |
| 4 Circuit separators     | Grey <input type="checkbox"/>   | FEAD6               | 1SNA199435R1400 | 20      | 1.80             |
| 5 Tools                  |                                 | Semi automatic tool | OUPAD           | 1       | 205.00           |
|                          |                                 | Hand tool           | OUMAD           | 1       | 29.00            |
| 6 Terminal block markers | White <input type="checkbox"/>  | RC55                | 1SNA230000R1200 | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

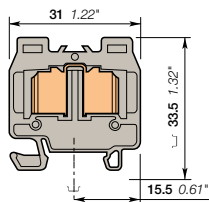
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# DR1.5/6.ADO IDC terminal blocks

## Miniblocks ADO - ADO - 6 mm 0.236 in spacing



DR1.5/6.ADO



6 mm 0.236 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

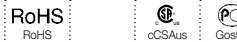
### Ordering details

| Description  | Color                         | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|-------------------------------|--------------|-----------------|---------|------------------|
| Feed-through | Grey <input type="checkbox"/> | DR1.5/6.ADO  | 1SNA199283R2400 | 100     | 4.00             |
|              | Grey <input type="checkbox"/> | DRE1.5/6.ADO | 1SNA299554R0700 | 20      | 4.00             |

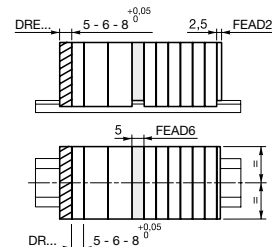
### Main technical data

|   | IEC   | UL                     | CSA | Mounting instructions |           |
|---|---|------------------------|-----|-----------------------|-----------|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible                                    | 22-16 AWG<br>22-16 AWG |     | Rail                  | TH 15-5.5 |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge |                        |     | Wire stripping length |           |
| Rated current / Rated cross section     | 17.5 A / 1.5 mm²  | 20 A / 16 AWG          |     | Tool                  |           |
| Rated short-time withstand current (1s) | 180 A   |                        |     | Torque                |           |
| Rated voltage                           | 1000 V  | 600 V                  |     |                       |           |
| Impulse withstand voltage               | 8000 V  |                        |     |                       |           |
| Protection                              | IP20  | NEMA 1                 |     |                       |           |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Notes

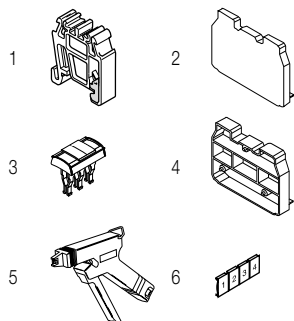


- End section FEAD1 to be mounted directly on the open part of the terminal block.
- End terminal block DRE has to be mounted at the end of the terminal blocks assembly: it reduces its size, because it suppresses the insulation rib (- 4 mm).
- Nota: This terminal block cannot be accidentally located anywhere else into the terminal block assembly (without locking holes)
- Separator FEAD5 which snaps on the terminal blocks, separates and makes visible the different parts of the terminal blocks assembly.

### Accessories

| Description              | Color                           | Type                | Order code      | Pkg pce         | Weight (1 pce) g |        |
|--------------------------|---------------------------------|---------------------|-----------------|-----------------|------------------|--------|
| 1 End stops              | Grey <input type="checkbox"/>   | BADRL               | 1SNA199420R2100 | 50              | 2.00             |        |
| 2 End sections           | Grey <input type="checkbox"/>   | FEAD2               | 1SNA199423R1000 | 20              | 1.30             |        |
| 3 Jumper bars            | Orange <input type="checkbox"/> | 2 poles             | 1SNA205974R0600 | 20              | 1.00             |        |
|                          |                                 | 3 poles             | BJADO6-3        | 1SNA205975R0700 | 20               | 1.00   |
|                          |                                 | 10 poles            | BJADO6-10       | 1SNA205982R2700 | 10               | 6.00   |
| 4 Circuit separators     | Grey <input type="checkbox"/>   | FEAD6               | 1SNA199435R1400 | 20              | 1.80             |        |
| 5 Tools                  |                                 | Semi automatic tool | OUPAD           | 1SNA178944R0400 | 1                | 205.00 |
|                          |                                 | Hand tool           | OUMAD           | 1SNA179466R0600 | 1                | 29.00  |
| 6 Terminal block markers | White <input type="checkbox"/>  | RC65                | 1SNA232000R0000 | 1               | 3.60             |        |

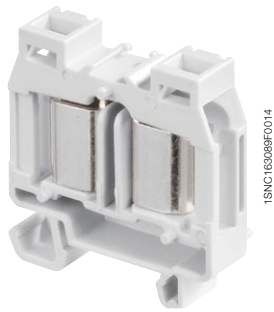
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

# DR2.5/8.ADO IDC terminal blocks

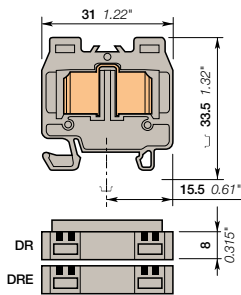
## Miniblocks ADO - ADO - 8 mm 0.315 in spacing



1SNC163088FD014

DR2.5/8.ADO

6



8 mm 0.315 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description   | Color | Type                                  | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------|---------------------------------------|-----------------|---------|------------------|
| <b>Feed-through</b> With rib and 2 notches for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG)          | Grey  | <input type="checkbox"/> DR2.5/8.ADO  | 1SNA199287R2000 | 100     | 6.00             |
| Without rib for TB assembly extremity and 2 notches for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG) | Grey  | <input type="checkbox"/> DRE2.5/8.ADO | 1SNA299555R0000 | 20      | 6.00             |

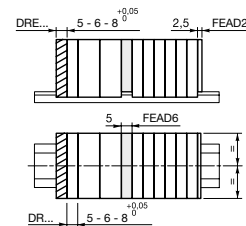
### Main technical data

|  | IEC   | UL                                 | CSA       | Mounting instructions                    |
|--|---|------------------------------------|-----------|--|
| <b>ADO</b>                                     | Rigid - Solid / Stranded<br>Flexible                                    | 1-2.5 mm <sup>2</sup><br>16-14 AWG | 16-14 AWG | Rail  TH 15-5.5<br>Wire stripping length |
| <b>Screw clamp</b>                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge |                                    |           | Tool                                     |
| <b>Rated current / Rated cross section</b>     | 24 A / 2.5 mm <sup>2</sup>  | 25 A / 14 AWG                      |           | Torque                                   |
| <b>Rated short-time withstand current (1s)</b> | 8000 A  |                                    |           |  |
| <b>Rated voltage</b>                           | 1000 V  | 600 V                              |           |  |
| <b>Impulse withstand voltage</b>               | 8000 V  |                                    |           |  |
| <b>Protection</b>                              | IP20  | NEMA 1                             |           |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |      |        |         |
|------|------|--------|---------|
| RoHS | RoHS | cCSAus | Goost R |
|------|------|--------|---------|

### Notes

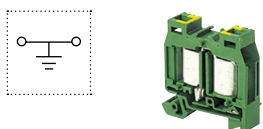
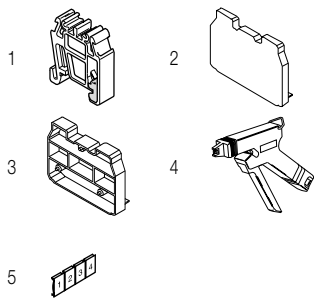


- End section FEAD1 to be mounted directly on the open part of the terminal block.
- End terminal block DRE has to be mounted at the end of the terminal blocks assembly: it reduces its size, because it suppresses the insulation rib (- 4 mm).
- Nota: This terminal block cannot be accidentally located anywhere else into the terminal block assembly (without locking holes)
- Separator FEAD5 which snaps on the terminal blocks, separates and makes visible the different parts of the terminal blocks assembly.

### Accessories

| Description                                | Color | Type                             | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------|----------------------------------|-----------------|---------|------------------|
| 1 <b>End stops</b> 6.5 mm 0.256 in         | Grey  | <input type="checkbox"/> BADRL   | 1SNA199420R2100 | 50      | 2.00             |
| 2 <b>End sections</b> 2.5 mm 0.098 in      | Grey  | <input type="checkbox"/> FEAD2   | 1SNA199423R1000 | 20      | 1.30             |
| 3 <b>Circuit separators</b> 5 mm 0.197 in  | Grey  | <input type="checkbox"/> FEAD6   | 1SNA199435R1400 | 20      | 1.80             |
| 4 <b>Tools</b>                             |       | Semi automatic tool<br>Hand tool | OUPAD<br>OUMAD  | 1<br>1  | 205.00<br>29.00  |
| 5 <b>Terminal block markers</b> Blank card |       | RCAL85                           | 1SNA237000R0500 | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



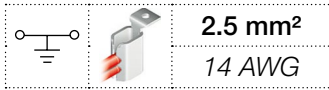
### Ground IDC terminal blocks

| Description                                    | Color        | Type                                   | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------|--|-----------------|---------|------------------|
| <b>Ground</b> Profile aligned with DR2.5/8.ADO | Green-yellow | <input type="checkbox"/> DR2.5/8.P.ADO | 1SNA299633R0600 | 100     | 8.00             |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

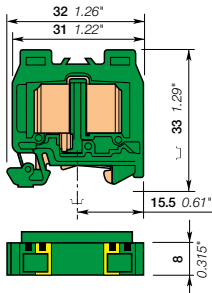
# DR2.5/8.P.ADO IDC terminal blocks

## Miniblocks ADO - ADO - 8 mm 0.315 in spacing

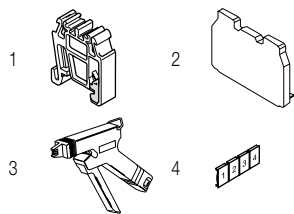


1SNC163141F0014

DR2.5/8.P.ADO



8 mm 0.315 in spacing



### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- Protect your installation in the event of a short-circuit thanks to our screwless rail contact non operator dependent,
- Secure mounting or removal from the rail,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Up to 2 wires per connection.

### Ordering details

| Description  | Color        | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------|---------------|-----------------|---------|------------------|
| Ground<br>With 2 notches for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG) | Green-yellow | DR2.5/8.P.ADO | 1SNA299633R0600 | 100     | 8.00             |

### Main technical data

|   |   | IEC  | UL        | CSA | Mounting instructions |           |
|---|---|--|-----------|-----|-----------------------|-----------|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible                                    | 1-2.5 mm <sup>2</sup><br>1-2.5 mm <sup>2</sup> | 16-14 AWG |     | Rail                  | TH 15-5.5 |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge |  |           |     | Wire stripping length |           |
| Rated cross section                     |   | 2.5 mm <sup>2</sup>                            | 14 AWG    |     | Tool                  |           |
| Rated short-time withstand current (1s) |   | 300 A  |           |     | Torque                |           |
| Protection                              |   | IP20   | NEMA 1    |     |                       |           |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |        |        |  |  |  |  |
|------|--------|--------|--|--|--|--|
| RoHS | cCSAus | Gost R |  |  |  |  |
|------|--------|--------|--|--|--|--|

### Accessories

| Description                                 | Color | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------|--------|-----------------|---------|------------------|
| 1 End stops 6.5 mm 0.256 in                 | Grey  | BADRL  | 1SNA199420R2100 | 50      | 2.00             |
| 2 End sections 2.5 mm 0.098 in              | Grey  | FEAD2  | 1SNA199423R1000 | 20      | 1.30             |
| 3 Tools<br>Semi automatic tool<br>Hand tool |       | OUPAD  | 1SNA178944R0400 | 1       | 205.00           |
|   |       | OUMAD  | 1SNA179466R0600 | 1       | 29.00            |
| 4 Terminal block markers Blank card         |       | RCAL85 | 1SNA237000R0500 | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

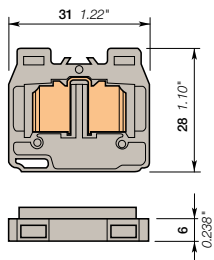
# DB1.5/6.ADO IDC terminal blocks

## Miniblocks ADO - ADO - 6 mm 0.236 in spacing



DB1.5/6.ADO

6



6 mm 0.236 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
- Easy base mounting thanks to the usage of flanges,
- Up to 2 wires per connection.

### Ordering details

| Description  | Color                         | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|-------------------------------|-------------|-----------------|---------|------------------|
| Feed-through | Grey <input type="checkbox"/> | DB1.5/6.ADO | 1SNA299513R2600 | 100     | 4.00             |

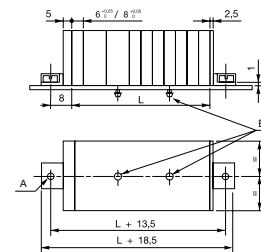
### Main technical data

|   |   | IEC  | UL            | CSA | Mounting instructions |  |
|---|---|--|---------------|-----|-----------------------|--|
| ADO                                     | Rigid Solid / Stranded<br>Flexible                                    | 0.28-1.5 mm <sup>2</sup><br>0.34-1.5 mm <sup>2</sup> | 22-16 AWG     |     | Rail                  |  |
| Screw clamp                             | Rigid Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge |  |               |     | Wire stripping length |  |
| Rated current / Rated cross section     |   | 17.5 A / 1.5 mm <sup>2</sup>                         | 20 A / 16 AWG |     | Tool                  |  |
| Rated short-time withstand current (1s) |   | 180 A  |               |     | Torque                |  |
| Rated voltage                           |   | 1000 V   | 600 V         |     |                       |  |
| Impulse withstand voltage               |   | 8000 V   |               |     |                       |  |
| Protection                              |   | IP20   | NEMA 1        |     |                       |  |

The connecting capacity data for one Rigid Solid / Stranded Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|                               |      |                                 |                                 |  |  |  |  |  |  |
|-------------------------------|------|---------------------------------|---------------------------------|--|--|--|--|--|--|
| RoHS <input type="checkbox"/> | RoHS | CCSAus <input type="checkbox"/> | Gost R <input type="checkbox"/> |  |  |  |  |  |  |
|-------------------------------|------|---------------------------------|---------------------------------|--|--|--|--|--|--|

### Notes

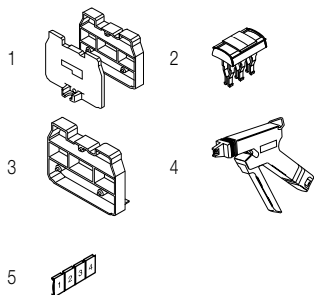


- A: 2 holes DIA 3.2 mm for 3 mm screw max. with cylindrical head (not supplied).
- L = (N blocks x 6) + (N blocks x 8)
- Plate thickness 0.6 to 1.2 mm
- Intermediate mounting of DH blocks every 2 blocks (spacing 8 mm) or 3 blocks (spacing 6mm)

### Accessories

| Description              | Color                           | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|---------------------------------|-----------|-----------------|---------|------------------|
| 1 End section kits       | Grey <input type="checkbox"/>   | FEAD4     | 1SNA199439R2000 | 20      | 3.00             |
| 2 Jumper bars            | Orange <input type="checkbox"/> | BJADO6-2  | 1SNA205974R0600 | 20      | 1.00             |
|                          |                                 | BJADO6-3  | 1SNA205975R0700 | 20      | 1.00             |
|                          |                                 | BJADO6-10 | 1SNA205982R2700 | 10      | 6.00             |
| 3 Circuit separators     | Grey <input type="checkbox"/>   | FEAD6     | 1SNA199435R1400 | 20      | 1.80             |
| 4 Tools                  |                                 | OUPAD     | 1SNA178944R0400 | 1       | 205.00           |
|                          |                                 | OUMAD     | 1SNA179466R0600 | 1       | 29.00            |
| 5 Terminal block markers | White <input type="checkbox"/>  | RC65      | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.



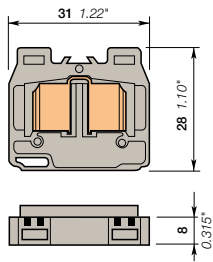
# DB2.5/8.ADO IDC terminal blocks

## Miniblocks ADO - ADO - 8 mm 0.315 in spacing



1SNC163095F0014

DB2.5/8.ADO



8 mm 0.315 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
- Easy base mounting thanks to the usage of flanges,
- Up to 2 wires per connection.

### Ordering details

| Description  | Color                         | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|-------------|-----------------|---------|------------------|
| <b>Feed-through</b> With 2 notches for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG) | Grey <input type="checkbox"/> | DB2.5/8.ADO | 1SNA299517R2200 | 100     | 6.00             |

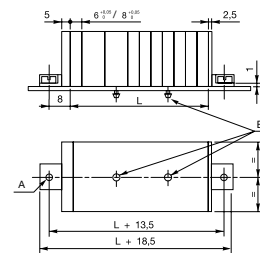
### Main technical data

|  | IEC                                  | UL   | CSA       | Mounting instructions         |
|--|--------------------------------------|--|-----------|-------------------------------|
| <b>ADO</b>                                     | Rigid - Solid / Stranded<br>Flexible | 1-2.5 mm <sup>2</sup><br>1-2.5 mm <sup>2</sup> | 16-14 AWG | Rail<br>Wire stripping length |
| <b>Screw clamp</b>                             | Rigid - Solid / Stranded<br>Flexible |  |           | Tool                          |
|  | with insulated ferrule<br>Gauge      |  |           |                               |
| <b>Rated current / Rated cross section</b>     | 24 A / 2.5 mm <sup>2</sup>           | 25 A / 14 AWG                                  |           |                               |
| <b>Rated short-time withstand current (1s)</b> | 300 A                                |  |           |                               |
| <b>Rated voltage</b>                           | 800 V                                | 600 V  |           |                               |
| <b>Impulse withstand voltage</b>               | 8000 V                               |  |           | Torque                        |
| <b>Protection</b>                              | IP20                                 | NEMA 1   |           |                               |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Notes

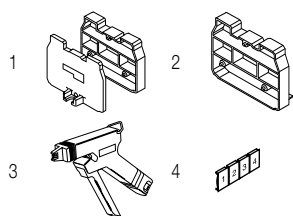


- A: 2 holes DIA 3.2 mm for 3 mm screw max. with cylindrical head (not supplied).
- L = (N blocks x 6) + (N blocks x 8)
- Plate thickness 0.6 to 1.2 mm
- Intermediate mounting of DH blocks every 2 blocks (spacing 8 mm) or 3 blocks (spacing 6 mm)

### Accessories

| Description                                | Color                         | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|--------|-----------------|---------|------------------|
| <b>1 End section kits</b>                  | Grey <input type="checkbox"/> | FEAD4  | 1SNA199439R2000 | 20      | 3.00             |
| <b>2 Circuit separators</b> 5 mm 0.197 in  | Grey <input type="checkbox"/> | FEAD6  | 1SNA199435R1400 | 20      | 1.80             |
| <b>3 Tools</b> Semi automatic tool         |                               | OUPAD  | 1SNA178944R0400 | 1       | 205.00           |
| Hand tool                                  |                               | OUMAD  | 1SNA179466R0600 | 1       | 29.00            |
| <b>4 Terminal block markers</b> Blank card |                               | RCAL85 | 1SNA237000R0500 | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

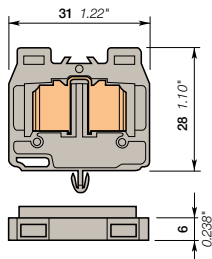
# DH1.5/6.ADO IDC terminal blocks

## Miniblocks ADO - ADO - 6 mm 0.236 in spacing



DH1.5/6.ADO

6



6 mm 0.236 in spacing

### Description

- The mini blocks are particularly designed for applications where space is very restricted,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
- Easy base mounting thanks to snap in mounting foot,
- Up to 2 wires per connection.

### Ordering details

| Description  | Color                         | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|-------------------------------|-------------|-----------------|---------|------------------|
| Feed-through | Grey <input type="checkbox"/> | DH1.5/6.ADO | 1SNA299529R0600 | 100     | 4.00             |

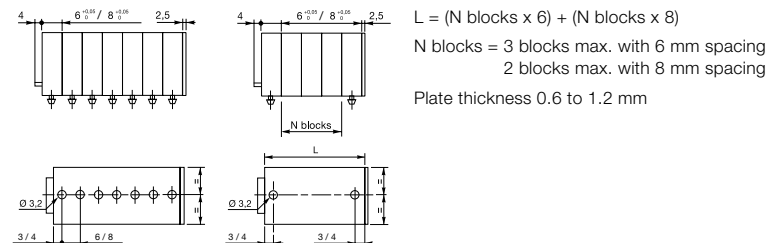
### Main technical data

|   |                                 | IEC                          | UL            | CSA | Mounting instructions |  |
|---|---------------------------------|------------------------------|---------------|-----|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded        | 0.28-1.5 mm <sup>2</sup>     | 22-16 AWG     |     | Rail                  |  |
|   | Flexible                        | 0.34-1.5 mm <sup>2</sup>     |               |     | Wire stripping length |  |
| Screw clamp                             | Rigid - Solid / Stranded        |                              |               |     | Tool                  |  |
|   | Flexible with insulated ferrule |                              |               |     |                       |  |
|   | Gauge                           |                              |               |     |                       |  |
| Rated current / Rated cross section     |                                 | 17.5 A / 1.5 mm <sup>2</sup> | 20 A / 16 AWG |     | Torque                |  |
| Rated short-time withstand current (1s) |                                 | 180 A                        |               |     |                       |  |
| Rated voltage                           |                                 | 1000 V                       | 600 V         |     |                       |  |
| Impulse withstand voltage               |                                 | 8000 V                       |               |     |                       |  |
| Protection                              |                                 | IP20                         | NEMA 1        |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|                               |  |  |  |  |  |  |
|-------------------------------|--|--|--|--|--|--|
| RoHS <input type="checkbox"/> |  |  |  |  |  |  |
|-------------------------------|--|--|--|--|--|--|

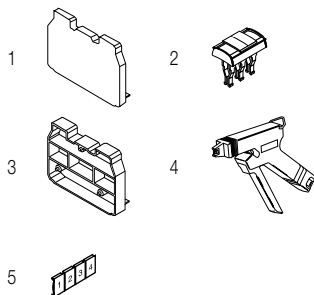
### Notes



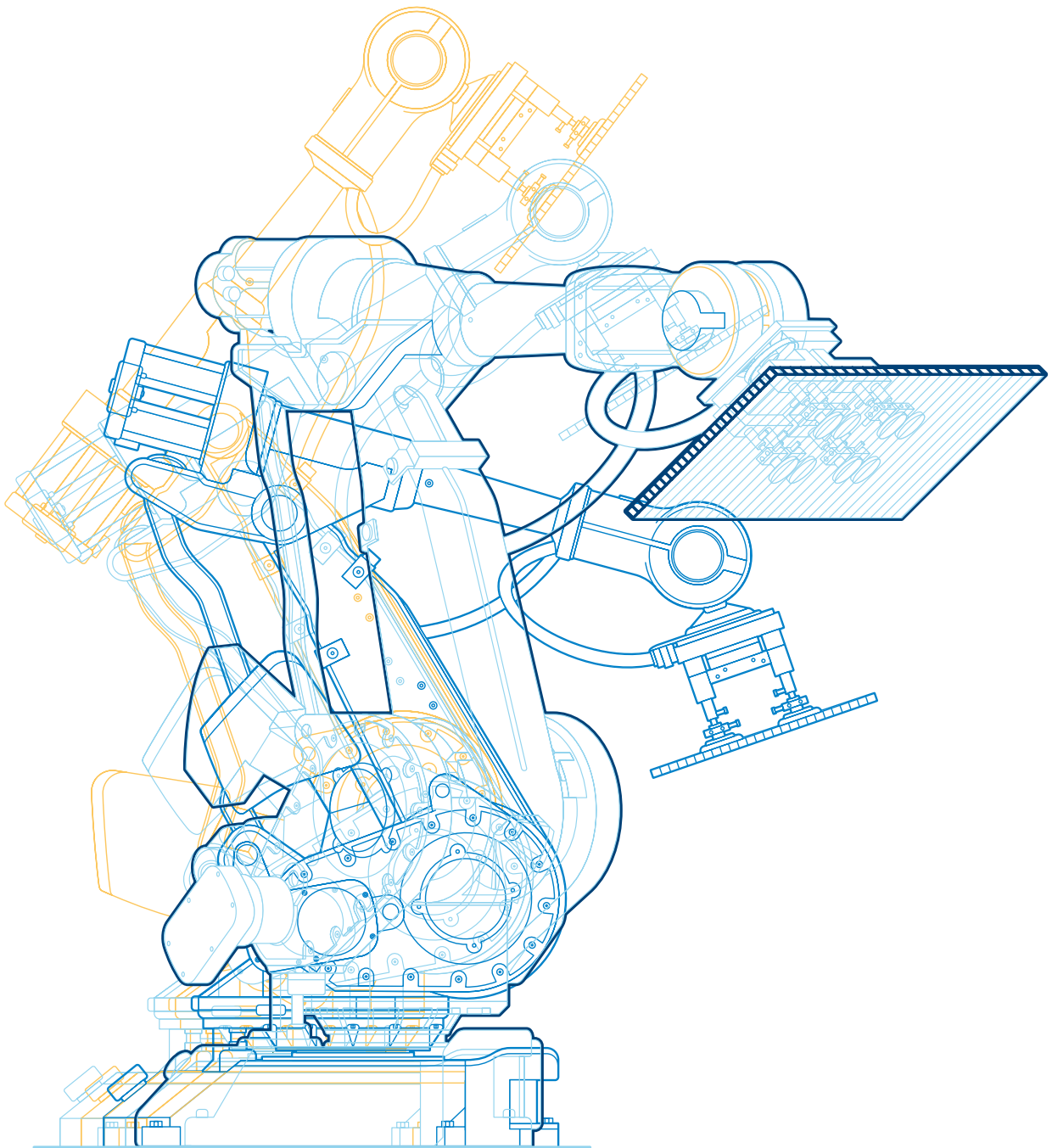
### Accessories

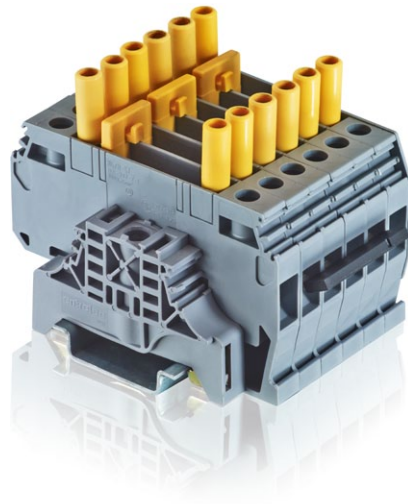
| Description              | Color                           | Type                | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|---------------------------------|---------------------|-----------------|---------|------------------|
| 1 End sections           | Grey <input type="checkbox"/>   | FEAD2               | 1SNA199423R1000 | 20      | 1.30             |
| 2 Jumper bars            | Orange <input type="checkbox"/> | 2 poles             | 1SNA205974R0600 | 20      | 1.00             |
|                          |                                 | 3 poles             | 1SNA205975R0700 | 20      | 1.00             |
|                          |                                 | 10 poles            | 1SNA205982R2700 | 10      | 6.00             |
| 3 Circuit separators     | Grey <input type="checkbox"/>   | FEAD6               | 1SNA199435R1400 | 20      | 1.80             |
| 4 Tools                  |                                 | Semi automatic tool | OUPAD           | 1       | 205.00           |
|                          |                                 | Hand tool           | OUMAD           | 1       | 29.00            |
| 5 Terminal block markers | White <input type="checkbox"/>  | RC65                | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

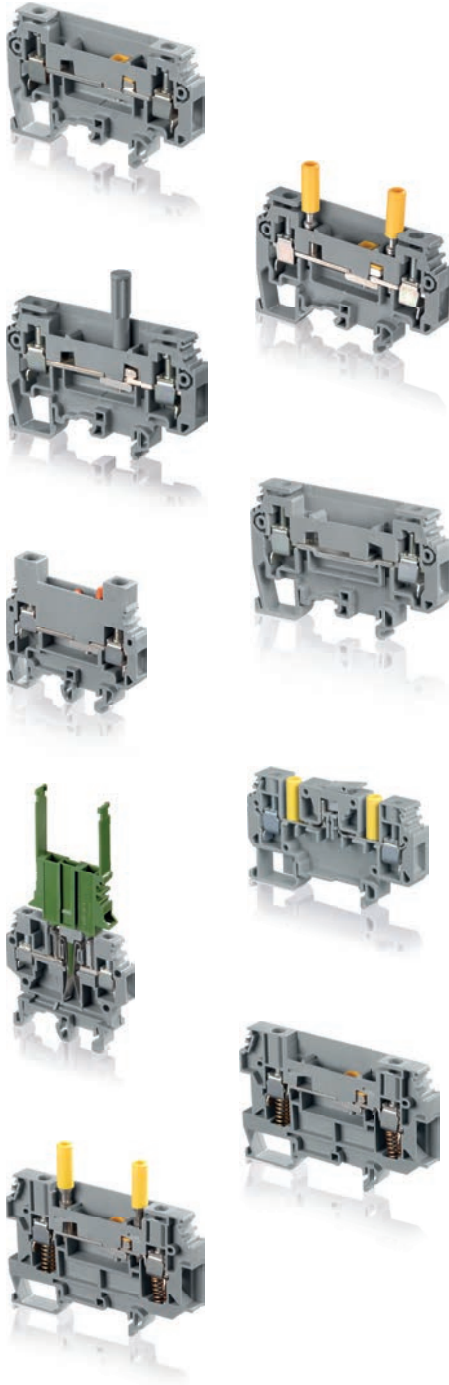




# Solution series, terminal blocks

## Test & measurement

|                           |     |
|---------------------------|-----|
| Technologies presentation | 148 |
| Overview                  | 150 |



### Screw clamp technology

#### Test disconnect with screwdriver sliding link

|                           |                      |                             |     |
|---------------------------|----------------------|-----------------------------|-----|
| 6 mm <sup>2</sup> / 8 AWG | <b>M6/8.ST</b>       |                             | 151 |
|                           | <b>M6/8.ST1</b>      | With test                   | 152 |
|                           | <b>M6/8.ST1.IP20</b> | With insulated test sockets | 153 |
|                           | <b>M6/8.ST3</b>      | With insulated rod          | 154 |
|                           | <b>M6/8.ST7</b>      | Feed-through                | 155 |
|                           | <b>M6/8.STA</b>      | With test                   | 156 |

#### Test disconnect with blade

|                           |                     |           |     |
|---------------------------|---------------------|-----------|-----|
| 6 mm <sup>2</sup> / 8 AWG | <b>D6/10.SNBTB1</b> |           | 157 |
|                           | <b>D6/10.SNBTB2</b> | With test | 158 |

#### Test disconnect with plug

|                            |                     |  |     |
|----------------------------|---------------------|--|-----|
| 4 mm <sup>2</sup> / 12 AWG | <b>M4/6.ST</b>      |  | 159 |
| 10 mm <sup>2</sup> / 8 AWG | <b>M10/10.ST-Sn</b> |  | 160 |

### Spring loaded screw clamp technology

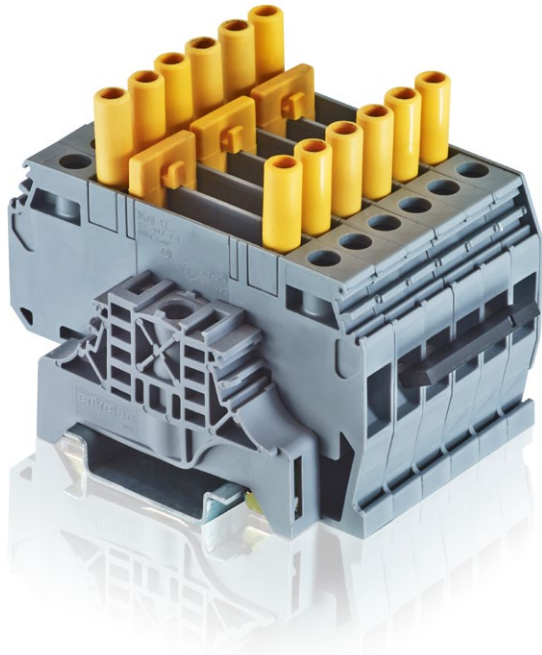
#### Test disconnect with screwdriver sliding link

|                            |                         |                             |     |
|----------------------------|-------------------------|-----------------------------|-----|
| 6 mm <sup>2</sup> / 12 AWG | <b>M6/8.ST.RS</b>       |                             | 161 |
|                            | <b>D6/8.ST1.RS.IP20</b> | With insulated test sockets | 162 |

# Solution series, terminal blocks

## Test & measurement

### Screw clamp technology

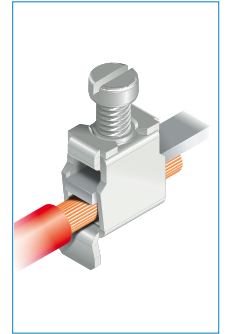


7

## Secure your measurement operations

Our test & measurement terminal blocks benefit from our long experience in the energy applications.

A large choice of accessories make the test & measurement operation easy and secure.



RoHS

ISO 9001  
ISO 14001



## A large choice of combinations and accessories

### 1 Short-circuit CT circuits safely and conveniently

ABB's insulated short-circuit bridge allows secured short-circuit position thanks to AJS9 test sockets tightening.

2 Adapted hook shape maintains the bridge on terminal block in the non connected position.

### 3 Test your circuits with flexibility using AJS9 test sockets

The insulated test sockets AJS9 are available in 6 colors for convenient circuit identification.

They are compatible with standard DIA. 4 mm test plugs (IEC 60010-031).

Fully operated by screwdriver (DIA. 3.5 mm).

### 4 Convenient circuit distribution with lateral jumpers

ABB provides a whole set of lateral jumpers adapted to the various circuit configurations of our customers.

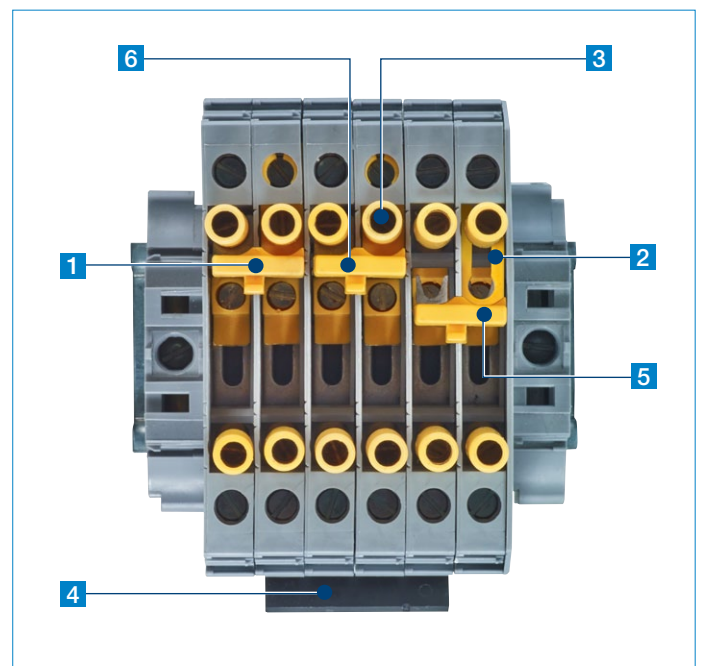
### Secure your disconnect operation during short-circuiting

5 In non short-circuited position:

- The short circuiting bridge is opened. For security purpose, the access to the disconnect sliding unit is blocked (in closed position).

6 In short-circuited position:

- The short circuiting bridge is first positioned, authorizing access to the disconnect sliding unit for opening the circuit.

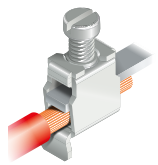


1SNC161164S0201

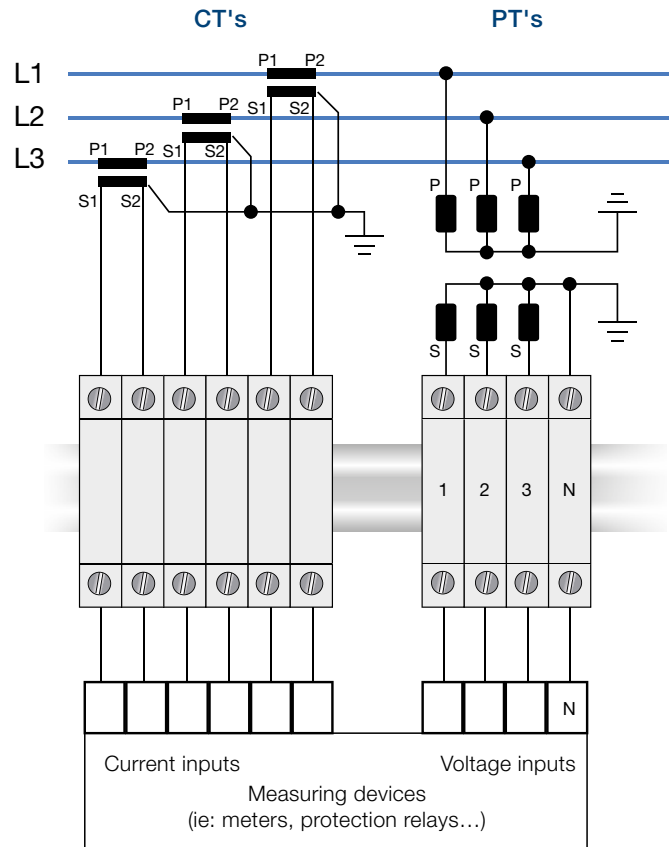
# Solution series, terminal blocks

## Test & measurement

### Typical schematic for measuring devices



Common point on the transformers



# Solution series, terminal blocks

## Test & measurement

### Screw clamp technology



Test disconnect with screwdriver sliding link

Test disconnect with insulated rod sliding link

Feed-through

| Section           |        |                          |                                |                           |                           |
|-------------------|--------|--------------------------|--------------------------------|---------------------------|---------------------------|
| IEC               | UL/CSA |                          |                                |                           |                           |
| 6 mm <sup>2</sup> | 8 AWG  | M6/8.ST<br>6 mm 0.236 in | M6/8.ST1.IP20<br>6 mm 0.236 in | M6/8.ST3<br>8 mm 0.315 in | M6/8.ST7<br>8 mm 0.315 in |

7



Test disconnect with screwdriver sliding link

Test disconnect with blade

Test disconnect with plug

| Section            |        |                           |                               |                                |
|--------------------|--------|---------------------------|-------------------------------|--------------------------------|
| IEC                | UL/CSA |                           |                               |                                |
| 4 mm <sup>2</sup>  | 12 AWG | M6/8.STA<br>6 mm 0.236 in | D6/10.SNBTB<br>10 mm 0.394 in | M4/6.ST<br>6 mm 0.236 in       |
| 6 mm <sup>2</sup>  | 8 AWG  |                           |                               | M10/10.ST-Sn<br>10 mm 0.394 in |
| 10 mm <sup>2</sup> | 8 AWG  |                           |                               |                                |

### Spring loaded screw clamp technology



Test disconnect with screwdriver sliding link

| Section           |        |                             |                                   |
|-------------------|--------|-----------------------------|-----------------------------------|
| IEC               | UL/CSA |                             |                                   |
| 6 mm <sup>2</sup> | 12 AWG | M6/8.ST.RS<br>8 mm 0.315 in | D6/8.ST1.RS.IP20<br>8 mm 0.315 in |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*.

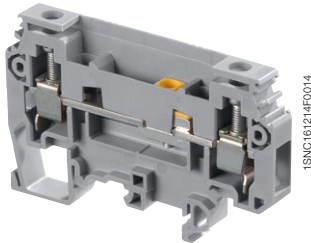
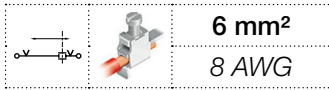
1SNC161163S0201



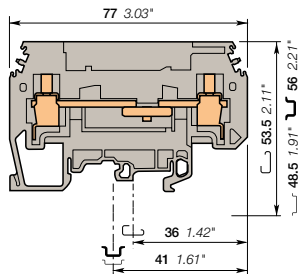
# M6/8.ST screw clamp terminal blocks

## Test disconnect with a screwdriver sliding link

### 8 mm 0.315 in spacing



M6/8.ST



8 mm 0.315 in spacing

### Description

Secure your disconnect operations with the disconnect sliding link operated with a screwdriver.

### Ordering details

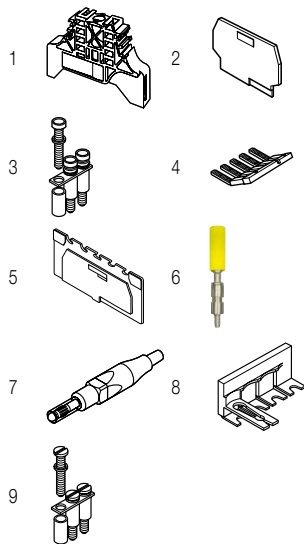
| Description | Color | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|-------|---------|-----------------|---------|------------------|
| Disconnect  | Grey  | M6/8.ST | 1SNA115236R1700 | 25      | 30.00            |

### Main technical data

|  | IEC   | UL  | CSA          | Mounting instructions    |   |
|--|---|---|--------------|--------------------------|---|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.5-10 mm <sup>2</sup><br>0.5-6 mm <sup>2</sup><br>A5 | 18 - 8 AWG   | 18-8 AWG                 | Rail<br>Wire stripping length<br>Screw clamp Tool<br>Torque<br>Disconnect device Tool<br>Torque |
| <b>Rated current / Rated cross section</b>     | 40 A / 6 mm <sup>2</sup>  | 30 A / 8 AWG  | 30 A / 8 AWG | G32, TH 35-7.5, TH 35-15 | 13 mm<br>0.51 in<br>Flat screwdriver<br>Ø 5 mm<br>Ø 0.197 in<br>0.8 - 1 N.m<br>7.1 - 8.9 lb.in  |
| <b>Rated short-time withstand current (1s)</b> | 720 A   |   |              |                          |   |
| <b>Rated voltage</b>                           | 630 V   | 150 V   | 150 V        |                          | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in  |
| <b>Impulse withstand voltage</b>               |   |   |              |                          | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in  |
| <b>Protection</b>                              | IP20  | NEMA 1  |              |                          |   |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

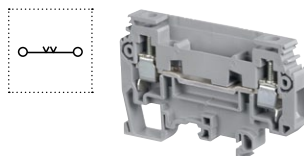
|    |      |    |     |        |
|----|------|----|-----|--------|
| CE | RoHS | UL | CSA | Gost R |
|----|------|----|-----|--------|



### Accessories

| Description                | Color   | Type   | Order code   | Pkg pce | Weight (1 pce) g                             |
|----------------------------|---|--|--|---------|--|
| 1 End stops                | Grey  | BAM2   | 1SNA206351R1600  | 50      | 12.00  |
| 2 End sections             | Grey  | FEMT2  | 1SNA113629R2700  | 10      | 2.00   |
| 3 Jumper bars              |   | BJS8-20  | 1SNA174789R0500  | 5       | 3.20   |
| 4 Lateral jumper bars 50 A | Black   | PC8-10<br>PC8-R1<br>PC8-R2<br>PC8-R3<br>PC8-R4         | 1SNA163313R2400<br>1SNA400711R0600<br>1SNA400712R0700<br>1SNA400713R0000<br>1SNA400724R0300                    | 10      | 14.00<br>6.60<br>7.84<br>9.00<br>4.50        |
| 5 Circuit separators       | Grey  | SCFT2  | 1SNA114522R0500  | 20      |  |
| 6 Test sockets             | Yellow<br>Black<br>Green<br>Grey<br>Blue<br>Red | AJS9<br>AJS9-1<br>AJS9-2<br>AJS9-3<br>AJS9-4<br>AJS9-5 | 1SNA179726R0200<br>1SNA206680R1500<br>1SNA206681R0200<br>1SNA206682R0300<br>1SNA206683R0400<br>1SNA206720R1400 | 25      | 5.00<br>3.60<br>3.60<br>3.60<br>3.60<br>3.60 |
| 7 Test plugs               | Red   | AL4-M3<br>FC4-1  | 1SNA206721R0100<br>1SNA167927R1000   | 50      | 1.10<br>11.00                                |
| 8 Short circuit bridges    | Yellow  | SC-JB8-2<br>SC-JB8-3<br>SC-JB8-4                       | 1SNK900652R0000<br>1SNK900653R0000<br>1SNK900654R0000  | 25      | 2.00<br>3.40<br>4.70                         |
| 9 Fastening kits           |   | Sub assembly post + screw + washer                     | EV8S   | 20      | 3.00   |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



### Feed-through screw clamp terminal blocks

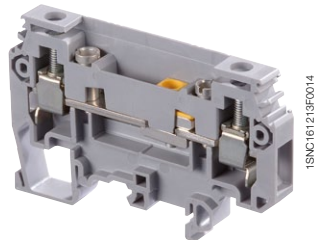
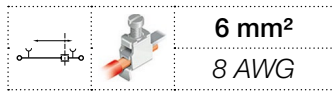
| Description                                  | Color | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------|----------|-----------------|---------|------------------|
| Feed-through Profile aligned with M6/8.ST... | Grey  | M6/8.ST7 | 1SNA115243R2600 | 25      | 20.00            |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

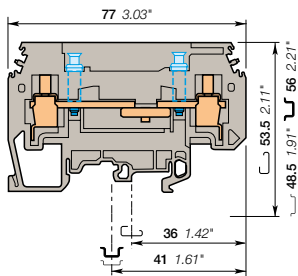
# M6/8.ST screw clamp terminal blocks

## Test disconnect with a screwdriver sliding link

### 8 mm 0.315 in spacing



M6/8.ST



8 mm 0.315 in spacing

### Description

- Secure your disconnect operations with the disconnect sliding link operated with a screwdriver,
- Ease your test operations with the 2 independent built-in test sockets compatible with DIA 4 mm 0.157 in test plugs.

### Ordering details

| Description   | Color                         | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|----------|-----------------|---------|------------------|
| Disconnect With 2 test sockets<br>DIA 4 mm 0.157 in | Grey <input type="checkbox"/> | M6/8.ST1 | 1SNA115237R1000 | 25      | 30.00            |

### Main technical data

|   |                                 | IEC                      | UL           | CSA          | Mounting instructions  |  |
|---|---------------------------------|--------------------------|--------------|--------------|------------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.5-10 mm <sup>2</sup>   | 18 - 8 AWG   | 18-8 AWG     | Rail                   | G32, TH 35-7.5, TH 35-15                   |
|   | Flexible with insulated ferrule | 0.5-6 mm <sup>2</sup>    |              |              | Wire stripping length  | 13 mm 0.51 in                              |
|   | Gauge                           | A5                       |              |              | Screw clamp Tool       | Flat screwdriver<br>Ø 5 mm<br>Ø 0.197 in   |
| Rated current / Rated cross section     |                                 | 40 A / 6 mm <sup>2</sup> | 30 A / 8 AWG | 30 A / 8 AWG | Torque                 | 0.8 - 1 N.m<br>7.1 - 8.9 lb.in             |
| Rated short-time withstand current (1s) |                                 | 720 A                    |              |              | Disconnect device Tool | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| Rated voltage                           |                                 | 630 V                    | 150 V        | 150 V        | Torque                 | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in           |
| Impulse withstand voltage               |                                 |                          |              |              |                        |  |
| Protection                              |                                 |                          | NEMA         |              |                        |  |

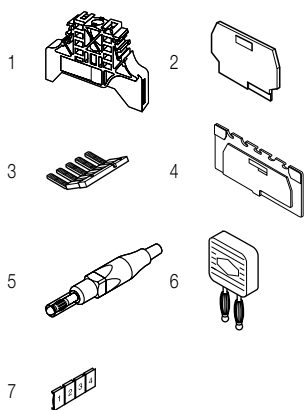
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|  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|

### Accessories

| Description                | Color                          | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|----------------------------|--------------------------------|--------|-----------------|---------|------------------|
| 1 End stops                | Grey <input type="checkbox"/>  | BAM2   | 1SNA206351R1600 | 50      | 12.00            |
|                            |                                | BADL   | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections             | Grey <input type="checkbox"/>  | FEMT2  | 1SNA113629R2700 | 10      | 2.00             |
| 3 Lateral jumper bars 50 A | Black <input type="checkbox"/> | PC8-10 | 1SNA163313R2400 | 10      | 14.00            |
|                            |                                | PC8-R1 | 1SNA400711R0600 | 10      | 6.60             |
|                            |                                | PC8-R2 | 1SNA400712R0700 | 10      | 7.84             |
|                            |                                | PC8-R3 | 1SNA400713R0000 | 10      | 9.00             |
|                            |                                | PC8-R4 | 1SNA400724R0300 | 10      | 4.50             |
| 4 Circuit separators       | Grey <input type="checkbox"/>  | SCFT2  | 1SNA114522R0500 | 20      |                  |
| 5 Test plugs               | Red <input type="checkbox"/>   | FC4-1  | 1SNA167927R1000 | 10      | 11.00            |
| 6 Short circuit plugs      |                                | BP8-A4 | 1SNA173888R2000 | 10      |                  |
| 7 Terminal block markers   | White <input type="checkbox"/> | RC810  | 1SNA234000R0200 | 1       | 8.20             |

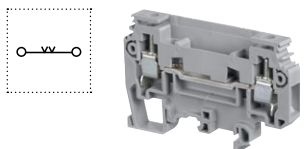
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



### Feed-through screw clamp terminal blocks

| Description                                  | Color                         | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|----------|-----------------|---------|------------------|
| Feed-through Profile aligned with M6/8.ST... | Grey <input type="checkbox"/> | M6/8.ST7 | 1SNA115243R2600 | 25      | 20.00            |

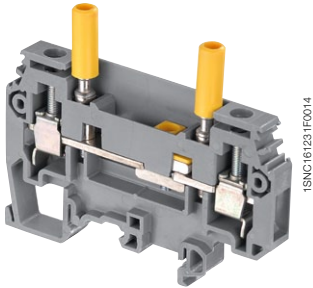
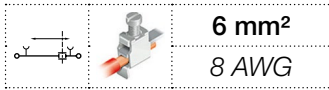
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.



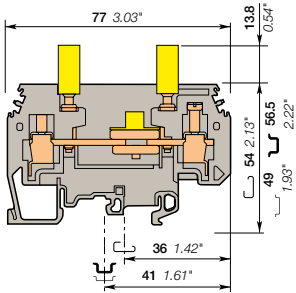
# M6/8.ST screw clamp terminal blocks

## Test disconnect with a screwdriver sliding link

### 8 mm 0.315 in spacing



M6/8.ST



8 mm 0.315 in spacing

### Description

- Terminal blocks especially designed for current transformers circuits;
- Easy and secured current measurement thanks to the two built-in test yellow sockets compatible with IP20 DIA 4 mm 0.157 in test plugs,
- Convenient short-circuit operations with the PCS sliding short circuiting bridges from 2 to 4 poles,
- Tests sockets available as well in black, green, grey and blue.

### Ordering details

| Description  | Color                         | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|---------------|-----------------|---------|------------------|
| Disconnect With two yellow test sockets<br>DIA 4 mm 0.157 in | Grey <input type="checkbox"/> | M6/8.ST1.IP20 | 1SNA115971R1000 | 25      | 40.00            |

### Main technical data

|  | IEC   | UL  | CSA                      |
|--|---|---|--------------------------|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.5 - 10 mm <sup>2</sup><br>0.5 - 6 mm <sup>2</sup><br>A5 | 18 - 8 AWG<br>18 - 8 AWG |
| <b>Rated current / Rated cross section</b>     | 40 A / 6 mm <sup>2</sup>  | 30 A / 8 AWG  | 30 A / 8 AWG             |
| <b>Rated short-time withstand current (1s)</b> | 720 A   |   |                          |
| <b>Rated voltage</b>                           | 630 V   | 150 V   | 150 V                    |
| <b>Impulse withstand voltage</b>               | 8000 V  |   |                          |
| <b>Protection</b>                              | IP20  | NEMA 1  |                          |

### Mounting instructions

|                              | Tool                     | Value                          |
|------------------------------|--------------------------|--------------------------------|
| <b>Rail</b>                  | G32, TH 35-7.5, TH 35-15 |                                |
| <b>Wire stripping length</b> |                          | 13 mm<br>0.51 in               |
| <b>Screw clamp</b>           | Flat screwdriver         | Ø 3.5 mm<br>Ø 0.138 in         |
| <b>Tool</b>                  |                          | 0.8 - 1 N.m<br>7.1 - 8.9 lb.in |
| <b>Torque</b>                |                          |                                |
| <b>Disconnect device</b>     | Flat screwdriver         | Ø 3.5 mm<br>Ø 0.138 in         |
| <b>Tool</b>                  |                          | 0.5 N.m<br>4.45 lb.in          |
| <b>Torque</b>                |                          |                                |
| <b>Test socket</b>           | Flat screwdriver         | Ø 3.5 mm<br>Ø 0.138 in         |
| <b>Tool</b>                  |                          | 0.6 N.m<br>5.34 lb.in          |
| <b>Torque</b>                |                          |                                |

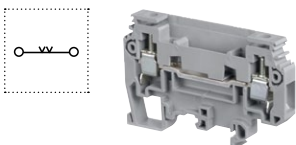
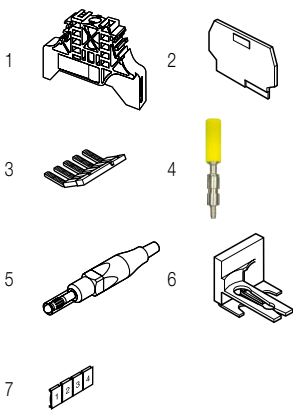
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |     |     |        |
|----|------|-----|-----|--------|
| CE | RoHS | USR | CSA | Gost R |
|----|------|-----|-----|--------|

### Accessories

| Description                       | Color                          | Type                            | Order code      | Pkg pce         | Weight (1 pce) g |       |
|-----------------------------------|--------------------------------|---------------------------------|-----------------|-----------------|------------------|-------|
| <b>1 End stops</b>                | Grey <input type="checkbox"/>  | BAM2                            | 1SNA206351R1600 | 50              | 12.00            |       |
|                                   |                                | BADL                            | 1SNA399903R0200 | 50              | 4.70             |       |
| <b>2 End sections</b>             | Grey <input type="checkbox"/>  | FEMT2                           | 1SNA113629R2700 | 10              | 2.00             |       |
| <b>3 Lateral jumper bars 50 A</b> | Black <input type="checkbox"/> | PC8-10                          | 1SNA163313R2400 | 10              | 14.00            |       |
|                                   |                                | PC8-R1                          | 1SNA400711R0600 | 10              | 6.60             |       |
|                                   |                                | PC8-R2                          | 1SNA400712R0700 | 10              | 7.84             |       |
|                                   |                                | PC8-R3                          | 1SNA400713R0000 | 10              | 9.00             |       |
|                                   |                                | PC8-R4                          | 1SNA400724R0300 | 10              | 4.50             |       |
| <b>4 Test sockets</b>             | DIA 4 mm 0.157 in IP20         | Black <input type="checkbox"/>  | AJS9-1          | 1SNA206680R1500 | 25               | 3.60  |
|                                   |                                | Green <input type="checkbox"/>  | AJS9-2          | 1SNA206681R0200 | 25               | 3.60  |
|                                   |                                | Grey <input type="checkbox"/>   | AJS9-3          | 1SNA206682R0300 | 25               | 3.60  |
|                                   |                                | Blue <input type="checkbox"/>   | AJS9-4          | 1SNA206683R0400 | 25               | 3.60  |
|                                   |                                | Red <input type="checkbox"/>    | AJS9-5          | 1SNA206720R1400 | 25               | 3.60  |
| <b>5 Test plugs</b>               | DIA 4 mm 0.157 in IP20         | Red <input type="checkbox"/>    | FC4-1           | 1SNA167927R1000 | 10               | 11.00 |
| <b>6 Short circuit bridges</b>    | 2 poles                        | Yellow <input type="checkbox"/> | SC-JB8-2        | 1SNK900652R0000 | 25               | 2.00  |
|                                   | 3 poles                        |                                 | SC-JB8-3        | 1SNK900653R0000 | 25               | 3.40  |
|                                   | 4 poles                        |                                 | SC-JB8-4        | 1SNK900654R0000 | 25               | 4.70  |
| <b>7 Terminal block markers</b>   | Blank card                     | White <input type="checkbox"/>  | RC810           | 1SNA234000R0200 | 1                | 8.20  |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



### Feed-through screw clamp terminal blocks

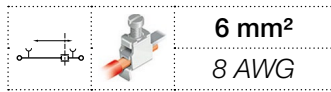
| Description                                  | Color                         | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|----------|-----------------|---------|------------------|
| Feed-through Profile aligned with M6/8.ST... | Grey <input type="checkbox"/> | M6/8.ST7 | 1SNA115243R2600 | 25      | 20.00            |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

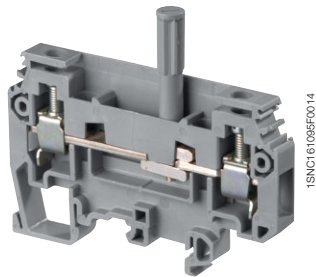
# M6/8.ST screw clamp terminal blocks

## Test disconnect with insulated rod sliding link

### 8 mm 0.315 in spacing

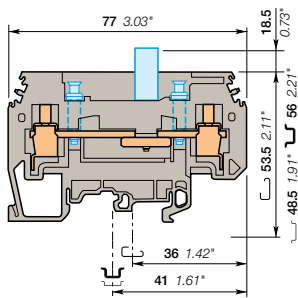


6 mm<sup>2</sup>  
8 AWG



1SNC161059F0014

M6/8.ST



8 mm 0.315 in spacing

### Description

- Secure your disconnect operations with the disconnect sliding link operated with a screwdriver,
- Ease your test operations with the two independent built-in test sockets compatible with DIA 4 mm 0.157 in test plugs.

### Ordering details

| Description   | Color                         | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|----------|-----------------|---------|------------------|
| Disconnect With 2 test sockets<br>DIA 4 mm 0.157 in | Grey <input type="checkbox"/> | M6/8.ST3 | 1SNA115239R2200 | 25      | 30.00            |

### Main technical data

|  | IEC                      | UL           | CSA          |
|--|--------------------------|--------------|--------------|
| <b>1 conductor per clamp</b>                   |                          |              |              |
| Rigid - Solid / Stranded                       | 0.5-10 mm <sup>2</sup>   | 18 - 8 AWG   | 18-8 AWG     |
| Flexible with insulated ferrule                | 0.5-6 mm <sup>2</sup>    |              |              |
| Gauge  | A5                       |              |              |
| <b>Rated current / Rated cross section</b>     | 40 A / 6 mm <sup>2</sup> | 30 A / 8 AWG | 30 A / 8 AWG |
| <b>Rated short-time withstand current (1s)</b> | 720 A                    |              |              |
| <b>Rated voltage</b>                           | 630 V                    | 150 V        | 150 V        |
| <b>Impulse withstand voltage</b>               |                          |              |              |
| <b>Protection</b>                              |                          | NEMA         |              |

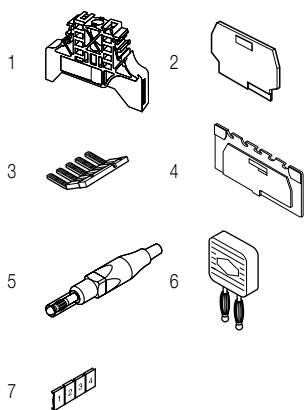
### Mounting instructions

|                        | Diagram | Specifications                             |
|------------------------|---------|--|
| Rail                   |         | G32, TH 35-7.5, TH 35-15                   |
| Wire stripping length  |         |  |
| Screw clamp Tool       |         | Flat screwdriver<br>Ø 5 mm<br>Ø 0.197 in   |
| Torque                 |         | 0.8 - 1 N.m<br>7.1 - 8.9 lb.in             |
| Disconnect device Tool |         | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| Torque                 |         | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in           |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |              |           |     |        |
|----|--------------|-----------|-----|--------|
|    |              |           |     |        |
| CE | RoHS<br>RoHS | UL<br>ULR | CSA | Gost R |

### Accessories



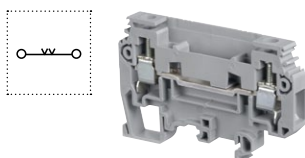
| Description                             | Color                          | Type   | Order code  | Pkg pce                    | Weight (1 pce) g                      |
|---|--------------------------------|--|---|----------------------------|---------------------------------------|
| 1 End stops 10 mm<br>9 mm               | Grey <input type="checkbox"/>  | BAM2<br>BADL                                   | 1SNA206351R1600<br>1SNA399903R0200  | 50<br>50                   | 12.00<br>4.70                         |
| 2 End sections 1 mm 0.039 in            | Grey <input type="checkbox"/>  | FEMT2  | 1SNA113629R2700   | 10                         | 2.00                                  |
| 3 Lateral jumper bars 50 A              | Black <input type="checkbox"/> | PC8-10<br>PC8-R1<br>PC8-R2<br>PC8-R3<br>PC8-R4 | 1SNA163313R2400<br>1SNA400711R0600<br>1SNA400712R0700<br>1SNA400713R0000<br>1SNA400724R0300 | 10<br>10<br>10<br>10<br>10 | 14.00<br>6.60<br>7.84<br>9.00<br>4.50 |
| 4 Circuit separators 3 mm 0.118 in      | Grey <input type="checkbox"/>  | SCFT2  | 1SNA114522R0500   | 20                         |                                       |
| 5 Test plugs DIA 4 mm 0.157 in IP20     | Red <input type="checkbox"/>   | FC4-1  | 1SNA167927R1000   | 10                         | 11.00                                 |
| 6 Short circuit plugs DIA 4 mm 0.157 in |                                | BP8-A4   | 1SNA173888R2000   | 10                         |                                       |
| 7 Terminal block markers Blank card     | White <input type="checkbox"/> | RC810  | 1SNA234000R0200   | 1                          | 8.20                                  |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

### Feed-through screw clamp terminal blocks

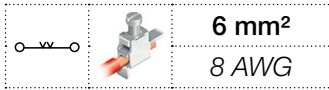
| Description                                  | Color                         | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|----------|-----------------|---------|------------------|
| Feed-through Profile aligned with M6/8.ST... | Grey <input type="checkbox"/> | M6/8.ST7 | 1SNA115243R2600 | 25      | 20.00            |

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

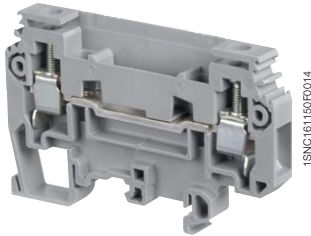


# M6/8.ST screw clamp terminal blocks

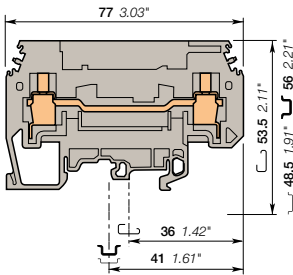
## Feed-through - 8 mm 0.315 in spacing



6 mm<sup>2</sup>  
8 AWG



M6/8.ST



8 mm 0.315 in spacing

### Description

Profile aligned with M6/8 ST.

### Ordering details

| Description  | Color                         | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|-------------------------------|----------|-----------------|---------|------------------|
| Feed-through | Grey <input type="checkbox"/> | M6/8.ST7 | 1SNA115243R2600 | 25      | 20.00            |

### Main technical data

|  | IEC   | UL  | CSA          |          |
|--|---|---|--------------|----------|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.5-10 mm <sup>2</sup><br>0.5-6 mm <sup>2</sup><br>A5 | 18 - 8 AWG   | 18-8 AWG |
| <b>Rated current / Rated cross section</b>     | 40 A / 6 mm <sup>2</sup>  | 40 A / 8 AWG  | 40 A / 8 AWG |          |
| <b>Rated short-time withstand current (1s)</b> | 720 A   |   |              |          |
| <b>Rated voltage</b>                           | 630 V   | 150 V   | 150 V        |          |
| <b>Impulse withstand voltage</b>               |   |   |              |          |
| <b>Protection</b>                              |   | NEMA  |              |          |

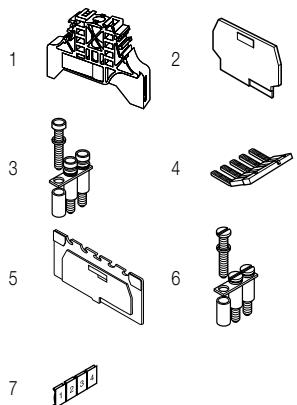
### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | G32, TH 35-7.5, TH 35-15                 |
| Wire stripping length |  | 13 mm<br>0.51 in                         |
| Tool                  |  | Flat screwdriver<br>Ø 5 mm<br>Ø 0.197 in |
| Torque                |  | 0.8 - 1 N.m<br>7.1 - 8.9 lb.in           |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
|--|--|--|--|--|

### Accessories



| Description                     | Color                          | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------|--------------------------------|---------|-----------------|---------|------------------|
| <b>1 End stops</b>              | Grey <input type="checkbox"/>  | BAM2    | 1SNA206351R1600 | 50      | 12.00            |
|                                 |                                | BADL    | 1SNA399903R0200 | 50      | 4.70             |
| <b>2 End sections</b>           | Grey <input type="checkbox"/>  | FEMT2   | 1SNA113629R2700 | 10      | 2.00             |
| <b>3 Jumper bars</b>            |                                | BJS8-20 | 1SNA174789R0500 | 5       | 3.20             |
| <b>4 Lateral jumper bars</b>    | Black <input type="checkbox"/> | PC8-2   | 1SNA116538R1700 | 10      | 3.00             |
|                                 |                                | PC8-3   | 1SNA116539R1000 | 10      | 4.00             |
|                                 |                                | PC8-4   | 1SNA116540R2500 | 10      | 6.00             |
|                                 |                                | PC8-10  | 1SNA163313R2400 | 10      | 14.00            |
|                                 |                                | PC8-R1  | 1SNA400711R0600 | 10      | 6.60             |
|                                 |                                | PC8-R2  | 1SNA400712R0700 | 10      | 7.84             |
|                                 |                                | PC8-R3  | 1SNA400713R0000 | 10      | 9.00             |
|                                 |                                | PC8-R4  | 1SNA400724R0300 | 10      | 4.50             |
| <b>5 Circuit separators</b>     | Grey <input type="checkbox"/>  | SCFT2   | 1SNA114522R0500 | 20      |                  |
| <b>6 Fastening kits</b>         |                                | EV8S    | 1SNA168401R0300 | 20      | 3.00             |
| <b>7 Terminal block markers</b> | White <input type="checkbox"/> | RC810   | 1SNA234000R0200 | 1       | 8.20             |

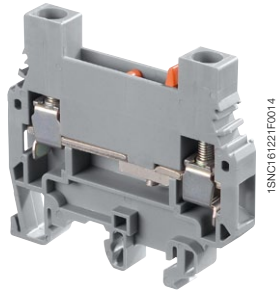
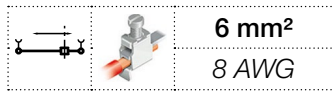
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

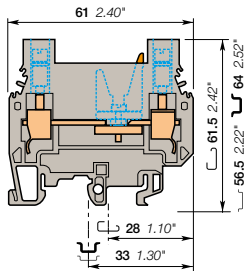
# M6/8.ST screw clamp terminal blocks

## Test disconnect with a screwdriver sliding link

### 8 mm 0.315 in spacing



M6/8.ST



8 mm 0.315 in spacing

### Description

- Compact disconnect terminal blocks:
- Secure your disconnect operations with the disconnect orange sliding link operated with a screwdriver,
- Ease your test operations with the two built-in test sockets screws compatible with DIA 4 mm 0.157 in test plugs.

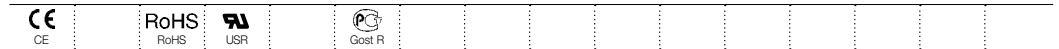
### Ordering details

| Description   | Color                         | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|----------|-----------------|---------|------------------|
| Disconnect With 2 test sockets<br>DIA 4 mm 0.157 in | Grey <input type="checkbox"/> | M6/8.STA | 1SNA115359R0200 | 25      | 30.00            |

### Main technical data

|  |                                 | IEC                      | UL           | CSA | Mounting instructions   |  |
|--|---------------------------------|--------------------------|--------------|-----|-------------------------|--|
| 1 conductor per clamp                          | Rigid - Solid / Stranded        | 0.5-10 mm <sup>2</sup>   | 22 - 8 AWG   |     | Rail                    | G32, TH 35-7.5, TH 35-15                   |
|  | Flexible with insulated ferrule | 0.5-6 mm <sup>2</sup>    |              |     | Wire stripping length   | 11 mm 0.43 in                              |
|  | Gauge                           | A5                       |              |     | Screw clamp Tool        | Flat screwdriver<br>Ø 5.5 mm<br>Ø 0.217 in |
|  |                                 |                          |              |     | Torque                  | 0.8 - 1 N.m<br>7.1 - 8.9 lb.in             |
| <b>Rated current / Rated cross section</b>     |                                 | 30 A / 6 mm <sup>2</sup> | 50 A / 8 AWG |     | Disconnect device: Tool | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in   |
| <b>Rated short-time withstand current (1s)</b> |                                 | 480 A                    |              |     | Torque                  | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in           |
| <b>Rated voltage</b>                           |                                 | 500 V                    | 600 V        |     |                         |  |
| <b>Impulse withstand voltage</b>               |                                 |                          |              |     |                         |  |
| <b>Protection</b>                              |                                 | IP20                     | NEMA 1       |     |                         |  |

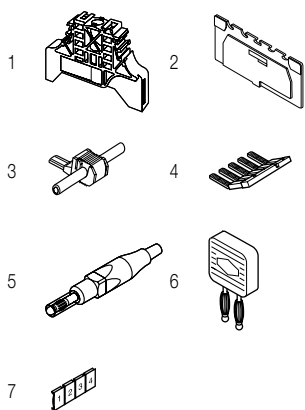
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### Accessories

| Description              | Color                                     | Type                   | Order code | Pkg pce         | Weight (1 pce) g |       |
|--------------------------|---|------------------------|------------|-----------------|------------------|-------|
| 1 End stops              | Grey <input type="checkbox"/>             | 10 mm                  | BAM2       | 1SNA206351R1600 | 50               | 12.00 |
|                          |   | 9 mm                   | BADL       | 1SNA399903R0200 | 50               | 4.70  |
| 2 End sections           | Grey <input type="checkbox"/>             | 3 mm                   | FEMT4      | 1SNA114778R0500 | 10               | 5.60  |
|                          |   |                        | FEMSTA     | 1SNA116979R2100 | 10               | 3.60  |
| 3 Jumper bars            | Grey <input type="checkbox"/>             | 1 poles 24 A           | AD2.5      | 1SNA114205R2000 | 50               | 1.60  |
| 4 Lateral jumper bars    | Black <input checked="" type="checkbox"/> | 2 poles 50 A           | PC8-2      | 1SNA116538R1700 | 10               | 3.00  |
|                          |   | 3 poles                | PC8-3      | 1SNA116539R1000 | 10               | 4.00  |
|                          |   | 4 poles                | PC8-4      | 1SNA116540R2500 | 10               | 6.00  |
|                          |   | 10 poles               | PC8-10     | 1SNA163313R2400 | 10               | 14.00 |
| 5 Test plugs             | Red <input checked="" type="checkbox"/>   | DIA 4 mm 0.157 in IP20 | FC4-1      | 1SNA167927R1000 | 10               | 11.00 |
| 6 Short circuit plugs    |   |                        | BP8.A4     | 1SNA173888R2000 | 10               |       |
| 7 Terminal block markers | White <input type="checkbox"/>            | Blank card             | RC810      | 1SNA234000R0200 | 1                | 8.20  |

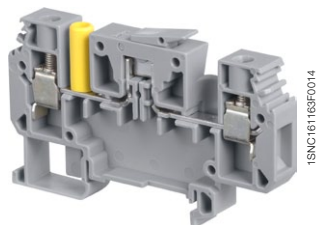
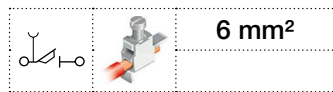
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



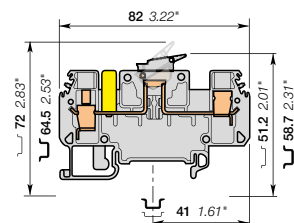
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D6/10.SNBTB screw clamp terminal blocks

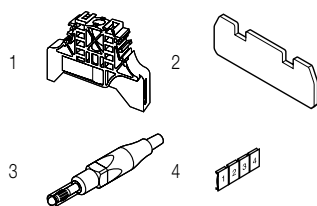
## Test disconnect with blade - 10 mm 0.394 in spacing



D6/10.SNBTB



10 mm 0.394 in spacing



### Description

- Ease your disconnect operations with the disconnect blade,
- Ease your test operations with built-in test sockets compatible with DIA 4 mm 0.157 in test plugs.

### Ordering details

| Description   | Color                         | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|--------------|-----------------|---------|------------------|
| Disconnect With 1 isolated test socket<br>DIA 4 mm 0.157 in | Grey <input type="checkbox"/> | D6/10.SNBTB1 | 1SNA115928R1500 | 20      | 25.00            |

### Main technical data

|   |                                 | IEC                      | UL | CSA    | Mounting instructions |  |
|---|---------------------------------|--------------------------|----|--------|-----------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.5-10 mm <sup>2</sup>   |    |        | Rail                  | G32, TH 35-7.5, TH 35-15                 |
|   | Flexible with insulated ferrule | 0.5-6 mm <sup>2</sup>    |    |        | Wire stripping length | 12 mm 0.47 in                            |
|   | Gauge                           | A5                       |    |        | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Rated current / Rated cross section     |                                 | 15 A / 6 mm <sup>2</sup> |    |        | Torque                | 0.8 N.m<br>7.1 lb.in                     |
| Rated short-time withstand current (1s) |                                 | 720 A                    |    |        |                       |  |
| Rated voltage                           |                                 | 500 V                    |    |        |                       |  |
| Impulse withstand voltage               |                                 | 6000 V                   |    |        |                       |  |
| Protection                              |                                 | IP20                     |    | NEMA 1 |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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### Accessories

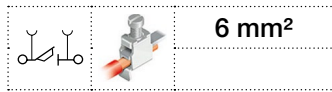
| Description              | Color                          | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|--------------------------------|---------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>  | BAM2    | 1SNA206351R1600 | 50      | 12.00            |
|                          |                                | BADL    | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections           | Grey <input type="checkbox"/>  | FED10S1 | 1SNA215999R2100 | 20      | 3.35             |
| 3 Test plugs             | Red <input type="checkbox"/>   | FC4-1   | 1SNA167927R1000 | 10      | 11.00            |
| 4 Terminal block markers | White <input type="checkbox"/> | RC1010  | 1SNA238000R1600 | 1       | 1.30             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

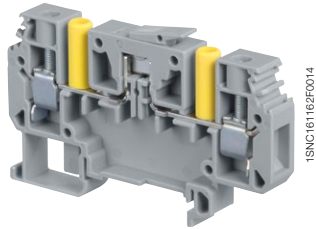
All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

# D6/10.SNBTB screw clamp terminal blocks

## Test disconnect with blade - 10 mm 0.394 in spacing

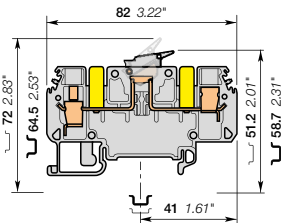


6 mm<sup>2</sup>



1SNC161162F0014

D6/10.SNBTB



7

10 mm 0.394 in spacing

### Description

- Ease your disconnect operations with the disconnect blade,
- Ease your test operations with built-in test sockets compatible with DIA 4 mm 0.157 in test plugs.

### Ordering details

| Description  | Color                         | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|--------------|-----------------|---------|------------------|
| Disconnect With 2 isolated test sockets<br>DIA 4 mm 0.157 in | Grey <input type="checkbox"/> | D6/10.SNBTB2 | 1SNA115929R1600 | 20      | 25.00            |

### Main technical data

|   |                                 | IEC                      | UL     | CSA | Mounting instructions |  |
|---|---------------------------------|--------------------------|--------|-----|-----------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.5-10 mm <sup>2</sup>   |        |     | Rail                  | G32, TH 35-7.5, TH 35-15                 |
|   | Flexible with insulated ferrule | 0.5-6 mm <sup>2</sup>    |        |     | Wire stripping length | 12 mm 0.47 in                            |
|   | Gauge                           | A5                       |        |     | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
|   |                                 |                          |        |     | Torque                | 0.8 N.m<br>7.1 lb.in                     |
| Rated current / Rated cross section     |                                 | 15 A / 6 mm <sup>2</sup> |        |     |                       |  |
| Rated short-time withstand current (1s) |                                 | 720 A                    |        |     |                       |  |
| Rated voltage                           |                                 | 500 V                    |        |     |                       |  |
| Impulse withstand voltage               |                                 | 6000 V                   |        |     |                       |  |
| Protection                              |                                 | IP20                     | NEMA 1 |     |                       |  |

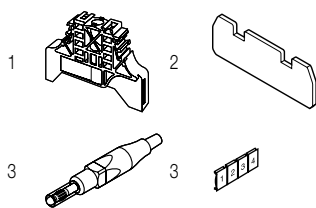
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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### Accessories

| Description              | Color                          | Type                   | Order code | Pkg pce         | Weight (1 pce) g |
|--------------------------|--------------------------------|------------------------|------------|-----------------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>  | 10 mm 0.394 in         | BAM2       | 1SNA206351R1600 | 50 12.00         |
|                          |                                | 9 mm 0.354 in          | BADL       | 1SNA399903R0200 | 50 4.70          |
| 2 End sections           | Grey <input type="checkbox"/>  | 2 mm 0.079 in          | FED10S1    | 1SNA215999R2100 | 20 3.35          |
| 3 Test plugs             | Red <input type="checkbox"/>   | DIA 4 mm 0.157 in IP20 | FC4-1      | 1SNA167927R1000 | 10 11.00         |
| 4 Terminal block markers | White <input type="checkbox"/> | Blank card             | RC1010     | 1SNA238000R1600 | 1 1.30           |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

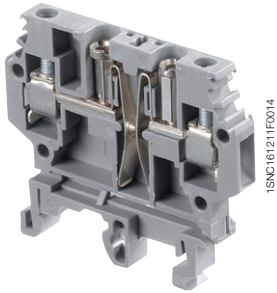
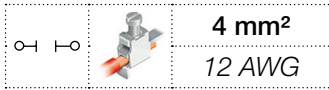


All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

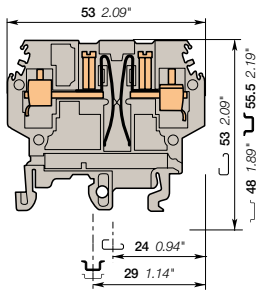


# M4/6.ST screw clamp terminal blocks

## Test disconnect with plug - 6 mm 0.236 in spacing



M4/6.ST



6 mm 0.236 in spacing

### Description

- Test disconnect terminal blocks operated with plug,
- Dedicated "make before break" plug for current circuit (green plug) or "break before make" for voltage circuit (red plug).

### Ordering details

| Description | Color                 | Type                                     | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|-----------------------|--|-----------------|---------|------------------|
| Disconnect  | Tinned contact blades | Grey <input type="checkbox"/> M4/6.ST.Sn | 1SNA115313R1400 | 20      | 14.00            |
|             | Gold contact blades   | M4/6.ST.Au                               | 1SNA115314R1500 | 20      | 14.00            |

### Main technical data

|   | IEC                             | UL                      | CSA          | Mounting instructions                    |
|---|---------------------------------|-------------------------|--------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.5 - 4 mm <sup>2</sup> | 22-12 AWG    | Rail  G32, TH 35-7.5, TH 35-15           |
|   | Flexible with insulated ferrule | 0.5 - 4 mm <sup>2</sup> |              | Wire stripping length  9.5 mm 0.374 in   |
|   | Gauge                           | A4                      |              | Tool  Flat screwdriver Ø 4 mm Ø 0.157 in |
| Rated current / Rated cross section     | 5 A / 4 mm <sup>2</sup>         |                         | 5 A / 12 AWG | Torque  0.5 - 0.8 Nm 4.4 - 7.1 lb.in     |
| Rated short-time withstand current (1s) | 480 A                           |                         |              |  |
| Rated voltage                           | 500 V                           |                         | 150 V        |  |
| Impulse withstand voltage               |                                 |                         |              |  |
| Protection                              | IP10                            | NEMA                    |              |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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### Utilization of each type of plug

Number of operations : 200

On request, the plugs can be replaced by an insertable printed circuit for diagnosis testing.

|  | BNT1 ("voltage" plug)                         | BNT2 ("polarity" plug)   | BNT3 ("current" plug) |
|--|---|--|-----------------------|
|  |   |  |                       |
| 1 <sup>st</sup> step: the plug cuts the circuit.<br>2 <sup>nd</sup> step: the test circuit connection is made. | Plug not equipped with pins cuts the circuit. | 1 <sup>st</sup> step: the test circuit is established<br>2 <sup>nd</sup> step: the plug opens the circuit. |                       |

### Accessories

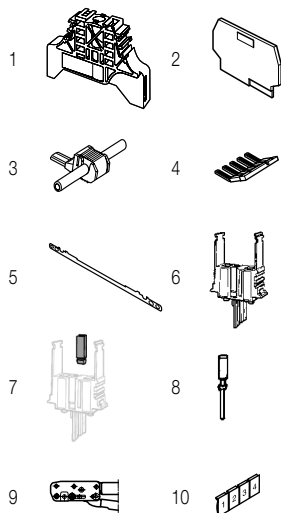
| Description               | Color   | Type                                 | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------|---|--------------------------------------|-----------------|---------|------------------|
| 1 End stops               | 10 mm 0.394 in                                | Grey <input type="checkbox"/> BAM2   | 1SNA206351R1600 | 50      | 12.00            |
|                           | 9 mm 0.354 in                                 | BADL                                 | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections            | 2.5 mm 0.098 in                               | Grey <input type="checkbox"/> FEMT3  | 1SNA114328R2200 | 20      | 2.70             |
| 3 Jumper bars             | 1 poles 24 A                                  | Grey <input type="checkbox"/> AD2.5  | 1SNA114205R2000 | 50      | 1.60             |
| 4 Lateral jumper bars     | 10 poles 35 A                                 | PC61-10                              | 1SNA163311R2200 | 10      | 5.00             |
| 5 Shield connectors       |   | CBM5                                 | 1SNA178745R1400 | 50      |                  |
| 6 Short circuit plugs     | "Polarity" plug                               | Grey <input type="checkbox"/> BNT2   | 1SNA114329R2300 | 20      | 3.00             |
|                           | "Voltage" plug                                | Red <input type="checkbox"/> BNT1    | 1SNA199135R1700 | 20      | 8.00             |
|                           | "Current" plug                                | Green <input type="checkbox"/> BNT3  | 1SNA199136R1000 | 20      | 8.00             |
| 7 Assembly pins for plugs |   | CVABM                                | 1SNA183436R0500 | 10      | 0.40             |
| 8 Pins                    | 0.5 mm <sup>2</sup> 24-20 AWG                 | BRC-0.5                              | 1SNA174558R0500 | 10      | 1.40             |
|                           | 1 mm <sup>2</sup> 18 AWG                      | BRC-1                                | 1SNA173906R2200 | 10      | 2.00             |
|                           | 1.5 mm <sup>2</sup> 16 AWG                    | BRC-1.5                              | 1SNA173907R2300 | 10      | 2.00             |
|                           | 2.5 mm <sup>2</sup> 14 AWG                    | BRC-2.5                              | 1SNA173908R0400 | 10      | 2.00             |
|                           | 4 mm <sup>2</sup> 12 AWG                      | BRC-4                                | 1SNA174601R0100 | 10      | 2.00             |
| 9 Tools                   | Connecting capacity: 1 to 2.5 mm <sup>2</sup> | PSC                                  | 1SNA173181R1300 | 1       |                  |
| 10 Terminal block markers | Blank card                                    | White <input type="checkbox"/> RC610 | 1SNA233000R0100 | 1       | 7.50             |

Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

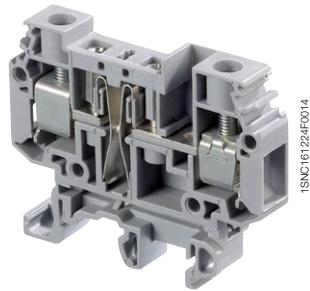
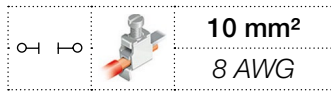
All the technical data for UL/CSA standard and dimensions in inches are in *italics*.

Technical data valid for copper conductors only.

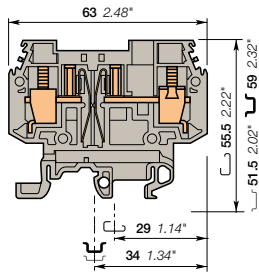


# M10/10.ST-Sn screw clamp terminal blocks

## Test disconnect with plug - 10 mm 0.394 in spacing



M10/10.ST-Sn



10 mm 0.394 in spacing

### Description

- Test disconnect terminal blocks operated with plug,
- Dedicated "make before break" plug for current circuit (green plug) or "break before make" for voltage circuit (red plug).

### Ordering details

| Description                      | Color                         | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|----------------------------------|-------------------------------|--------------|-----------------|---------|------------------|
| Disconnect Tinned contact blades | Grey <input type="checkbox"/> | M10/10.ST-Sn | 1SNA115539R1700 | 20      | 27.00            |

### Main technical data

|   |                                 | IEC                       | UL | CSA          | Mounting instructions |  |
|---|---------------------------------|---------------------------|----|--------------|-----------------------|--|
|   |                                 |                           |    |              | Rail                  | G32, TH 35-7.5, TH 35-15                       |
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.5-16 mm <sup>2</sup>    |    | 8 AWG        | Wire stripping length | 12 mm 0.472 in                                 |
|   | Flexible with insulated ferrule | 0.5-10 mm <sup>2</sup>    |    |              |                       |  |
|   | Gauge                           | B6                        |    |              | Tool                  | Flat screwdriver Ø 5.5 - 6 mm 0.217 - 0.236 in |
| Rated current / Rated cross section     |                                 | 15 A / 10 mm <sup>2</sup> |    | 10 A / 8 AWG | Torque                | 1.2 - 1.4 Nm 10.6 - 12.3 lb.in                 |
| Rated short-time withstand current (1s) |                                 | 1200 A                    |    |              |                       |  |
| Rated voltage                           |                                 | 500 V                     |    | 300 V        |                       |  |
| Impulse withstand voltage               |                                 |                           |    |              |                       |  |
| Protection                              |                                 | IP20                      |    | NEMA 1       |                       |  |

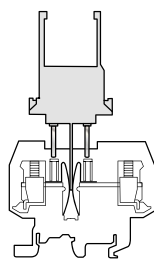
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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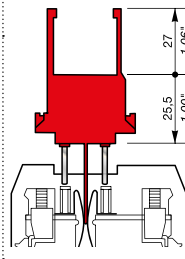
### Utilization of each type of plug

Number of operations : 200

On request, the plugs can be replaced by an insertable printed circuit for diagnosis testing.

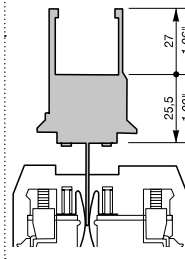


#### BNT1 ("voltage" plug)



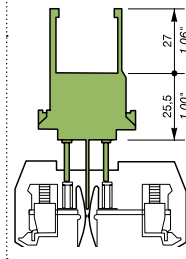
1<sup>st</sup> step: the plug cuts the circuit.  
2<sup>nd</sup> step: the test circuit connection is made.

#### BNT2 ("polarity" plug)



Plug not equipped with pins cuts the circuit.

#### BNT3 ("current" plug)



1<sup>st</sup> step: the test circuit is established  
2<sup>nd</sup> step: the plug opens the circuit.

### Accessories

| Description               | Color                          | Type  | Order code      | Pkg pce         | Weight (1 pce) g |      |       |
|---------------------------|--------------------------------|---|-----------------|-----------------|------------------|------|-------|
| 1 End stops               | Grey <input type="checkbox"/>  | BAM2  | 1SNA206351R1600 | 50              | 12.00            |      |       |
|                           |                                | BADL  | 1SNA399903R0200 | 50              | 4.70             |      |       |
| 2 End sections            | Grey <input type="checkbox"/>  | FEMT5   | 1SNA116781R1300 | 20              | 3.00             |      |       |
| 3 Jumper bars             |                                | 2 poles                                       | 57 A            | BJMI10-2        | 1SNA176675R0400  | 10   | 5.00  |
|                           |                                | 3 poles                                       |                 | BJMI10-3        | 1SNA176676R0500  | 10   | 8.00  |
|                           |                                | 4 poles                                       |                 | BJMI10-4        | 1SNA176677R0600  | 10   | 11.00 |
|                           |                                | 5 poles                                       |                 | BJMI10-5        | 1SNA176678R1700  | 10   | 13.00 |
|                           |                                | 10 poles                                      |                 | BJMI10-10       | 1SNA176679R1000  | 10   | 27.00 |
| 4 Lateral jumper bars     |                                | 10 poles                                      | 70 A            | PC10-10         | 1SNA163315R2600  | 10   | 23.00 |
| 5 Shield connectors       |                                |   |                 | CBM5            | 1SNA178745R1400  | 50   |       |
| 6 Short circuit plugs     | Grey <input type="checkbox"/>  | "Polarity" plug                               | BNT2            | 1SNA114329R2300 | 20               | 3.00 |       |
|                           | Red <input type="checkbox"/>   | "Voltage" plug                                | BNT1            | 1SNA199135R1700 | 20               | 8.00 |       |
|                           | Green <input type="checkbox"/> | "Current" plug                                | BNT3            | 1SNA199136R1000 | 20               | 8.00 |       |
| 7 Assembly pins for plugs |                                |   |                 | CVABM1          | 1SNA116783R1500  | 20   |       |
| 8 Pins                    |                                | 0.5 mm <sup>2</sup>                           | 24-20 AWG       | BRC-0.5         | 1SNA174558R0500  | 10   | 1.40  |
|                           |                                | 1 mm <sup>2</sup>                             | 18 AWG          | BRC-1           | 1SNA173906R2200  | 10   | 2.00  |
|                           |                                | 1.5 mm <sup>2</sup>                           | 16 AWG          | BRC-1.5         | 1SNA173907R2300  | 10   | 2.00  |
|                           |                                | 2.5 mm <sup>2</sup>                           | 14 AWG          | BRC-2.5         | 1SNA173908R0400  | 10   | 2.00  |
|                           |                                | 4 mm <sup>2</sup>                             | 12 AWG          | BRC-4           | 1SNA174601R0100  | 10   | 2.00  |
| 9 Tools                   |                                | Connecting capacity: 1 to 2.5 mm <sup>2</sup> |                 | PSC             | 1SNA173181R1300  | 1    |       |
| 10 Terminal block markers | White <input type="checkbox"/> | Blank card                                    |                 | RC1010          | 1SNA238000R1600  | 1    | 1.30  |

Complete list of accessories is indicated in the terminal block datasheet.

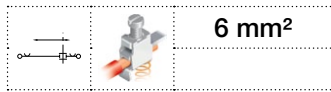
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic.

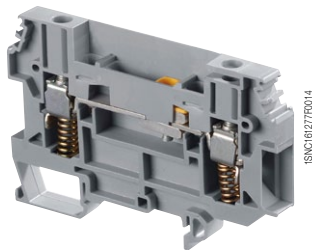
Technical data valid for copper conductors only.

# D6/8.ST.RS spring loaded screw clamp terminal blocks

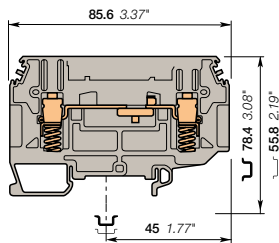
## Test disconnect with a screwdriver sliding link - 8 mm 0.315 in spacing



6 mm<sup>2</sup>



D6/8.ST.RS



8 mm 0.315 in spacing

### Description

- Mainly dedicated to energy markets for security purposes on CT circuits,
- Security: specific shape in linking bar to lock the ferrule, spring clamp can maintain contact pressure even if screw clamp is loose.

### Ordering details

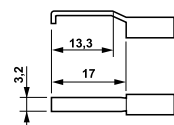
| Description | Color                         | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|-------------------------------|------------|-----------------|---------|------------------|
| Disconnect  | Grey <input type="checkbox"/> | D6/8.ST.RS | 1SNA115914R0700 | 32      | 28.00            |

### Main technical data

|   |                                 | IEC                      | BS TS 5018               | CSA | Mounting instructions |  |
|---|---------------------------------|--------------------------|--------------------------|-----|-----------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.5-10 mm <sup>2</sup>   |                          |     | Rail                  | G32, TH 35-7.5, TH 35-15                   |
|   | Flexible with insulated ferrule | 0.5-6 mm <sup>2</sup>    |                          |     | Wire stripping length | 16 mm 0.51 in                              |
| Lugs                                    | Flexible                        |                          | 0.28-2.5 mm <sup>2</sup> |     | Tool                  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
|   | Gauge                           | A5                       |                          |     |                       |  |
| Rated current / Rated cross section     |                                 | 24 A / 6 mm <sup>2</sup> |                          |     | Torque                | 0.8 - 1 Nm<br>7.1 - 8.9 lb.in              |
| Rated short-time withstand current (1s) |                                 | 720 A                    |                          |     |                       |  |
| Rated voltage                           |                                 | 400 V                    |                          |     |                       |  |
| Impulse withstand voltage               |                                 | 6000 V                   |                          |     |                       |  |
| Protection                              |                                 | NEMA                     |                          |     |                       |  |

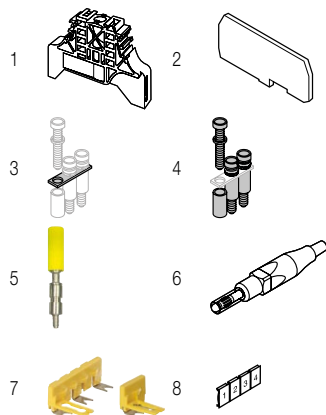
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |    |        |  |  |  |  |  |  |
|----|------|----|--------|--|--|--|--|--|--|
| CE | RoHS | PC | Gost R |  |  |  |  |  |  |
|----|------|----|--------|--|--|--|--|--|--|



Each wire clamp holds up to 2 bent lugs as shown (not supplied)

### Accessories



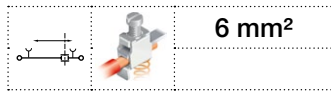
| Description              | Color                           | Type                               | Order code      | Pkg pce         | Weight (1 pce) g |                 |      |
|--------------------------|---------------------------------|------------------------------------|-----------------|-----------------|------------------|-----------------|------|
| 1 End stops              | Grey <input type="checkbox"/>   | BAM2                               | 1SNA206351R1600 | 50              | 12.00            |                 |      |
|                          |                                 | BADL                               | 1SNA399903R0200 | 50              | 4.70             |                 |      |
| 2 End sections           | Grey <input type="checkbox"/>   | FEM8T6                             | 1SNA215266R0100 | 10              | 4.40             |                 |      |
| 3 Jumper bars            | Grey <input type="checkbox"/>   | 2 poles                            | 41 A            | BJS8            | 1SNA164581R1300  | 10              | 3.10 |
|                          |                                 | 3 poles                            |                 |                 | 1SNA164582R1400  | 10              | 3.10 |
|                          |                                 | 4 poles                            |                 |                 | 1SNA164583R1500  | 10              | 3.10 |
|                          |                                 | 20 poles                           |                 |                 | BJS8-20          | 1SNA174789R0500 | 5    |
| 4 Fastening kits         |                                 | Sub assembly post + screw + washer | EV6I            | 1SNA206394R0200 | 20               | 2.00            |      |
| 5 Test sockets           | Yellow <input type="checkbox"/> | AJS9                               | 1SNA179726R0200 | 25              | 3.60             |                 |      |
|                          | Black <input type="checkbox"/>  | AJS9-1                             | 1SNA206680R1500 | 25              | 3.60             |                 |      |
|                          | Green <input type="checkbox"/>  | AJS9-2                             | 1SNA206681R0200 | 25              | 3.60             |                 |      |
|                          | Grey <input type="checkbox"/>   | AJS9-3                             | 1SNA206682R0300 | 25              | 3.60             |                 |      |
|                          | Blue <input type="checkbox"/>   | AJS9-4                             | 1SNA206683R0400 | 25              | 3.60             |                 |      |
|                          | Red <input type="checkbox"/>    | AJS9-5                             | 1SNA206720R1400 | 25              | 3.60             |                 |      |
| 6 Test plugs             | Red <input type="checkbox"/>    | AL4-M3                             | 1SNA206721R0100 | 50              | 1.10             |                 |      |
|                          |                                 | FC4-1                              | 1SNA167927R1000 | 10              | 11.00            |                 |      |
| 7 Short circuit bridges  | Yellow <input type="checkbox"/> | SC-JB8-2                           | 1SNK900652R0000 | 25              | 2.00             |                 |      |
|                          |                                 | SC-JB8-3                           | 1SNK900653R0000 | 25              | 3.40             |                 |      |
|                          |                                 | SC-JB8-4                           | 1SNK900654R0000 | 25              | 4.70             |                 |      |
| 8 Terminal block markers | White <input type="checkbox"/>  | Blank card                         | RC810           | 1SNA234000R0200 | 1                | 8.20            |      |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

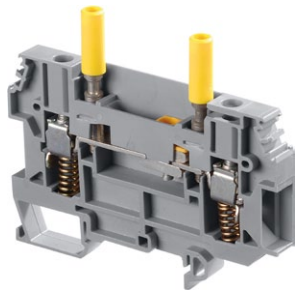
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D6/8.ST.RS spring loaded screw clamp terminal blocks

## Test disconnect with a screwdriver sliding link - 8 mm 0.315 in spacing

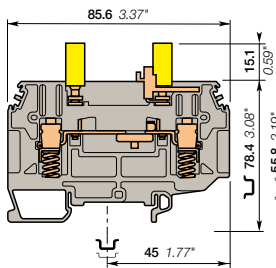


6 mm<sup>2</sup>



1SNC161233R0014

D6/8.ST.RS



7

8 mm 0.315 in spacing

### Description

- Mainly dedicated to energy markets for security purposes on CT circuits,
- Security: specific shape in linking bar to lock the ferrule, spring clamp can maintain contact pressure even if screw clamp is loose.

### Ordering details

| Description   | Color                         | Type             | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|------------------|-----------------|---------|------------------|
| <b>Disconnect</b> With 2 yellow test sockets<br>DIA 4 mm 0.157 in | Grey <input type="checkbox"/> | D6/8.ST1.RS.IP20 | 1SNA115831R0400 | 32      | 38.00            |

### Main technical data

|  |                                 | IEC                      | BS<br>TS 5018            | CSA  | Mounting instructions  |  |
|--|---------------------------------|--------------------------|--------------------------|------|------------------------|--|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded        | 0.5-10 mm <sup>2</sup>   |                          |      | Rail                   | G32, TH 35-7.5, TH 35-15                   |
|  | Flexible with insulated ferrule | 0.5-6 mm <sup>2</sup>    |                          |      | Wire stripping length  | 16 mm<br>0.51 in                           |
| <b>Lugs</b>                                    | Flexible                        |                          | 0.28-2.5 mm <sup>2</sup> |      | Screw clamp Tool       | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
|  | Gauge                           | A5                       |                          |      | Torque                 | 0.8 - 1 Nm<br>7.1 - 8.9 lb.in              |
| <b>Rated current / Rated cross section</b>     |                                 | 24 A / 6 mm <sup>2</sup> |                          |      | Disconnect device Tool | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| <b>Rated short-time withstand current (1s)</b> |                                 | 720 A                    |                          |      |                        |  |
| <b>Rated voltage</b>                           |                                 | 400 V                    |                          |      | Torque                 | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in           |
| <b>Impulse withstand voltage</b>               |                                 | 6000 V                   |                          |      |                        |  |
| <b>Protection</b>                              |                                 |                          |                          | NEMA | Test socket Tool       | Ø 3.5 mm<br>Ø 0.138 in                     |
|  |                                 |                          |                          |      | Torque                 | 0.6 N.m<br>5.34 lb.in                      |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |        |  |  |  |  |  |  |  |
|----|------|--------|--|--|--|--|--|--|--|
| CE | RoHS | Gost R |  |  |  |  |  |  |  |
|----|------|--------|--|--|--|--|--|--|--|

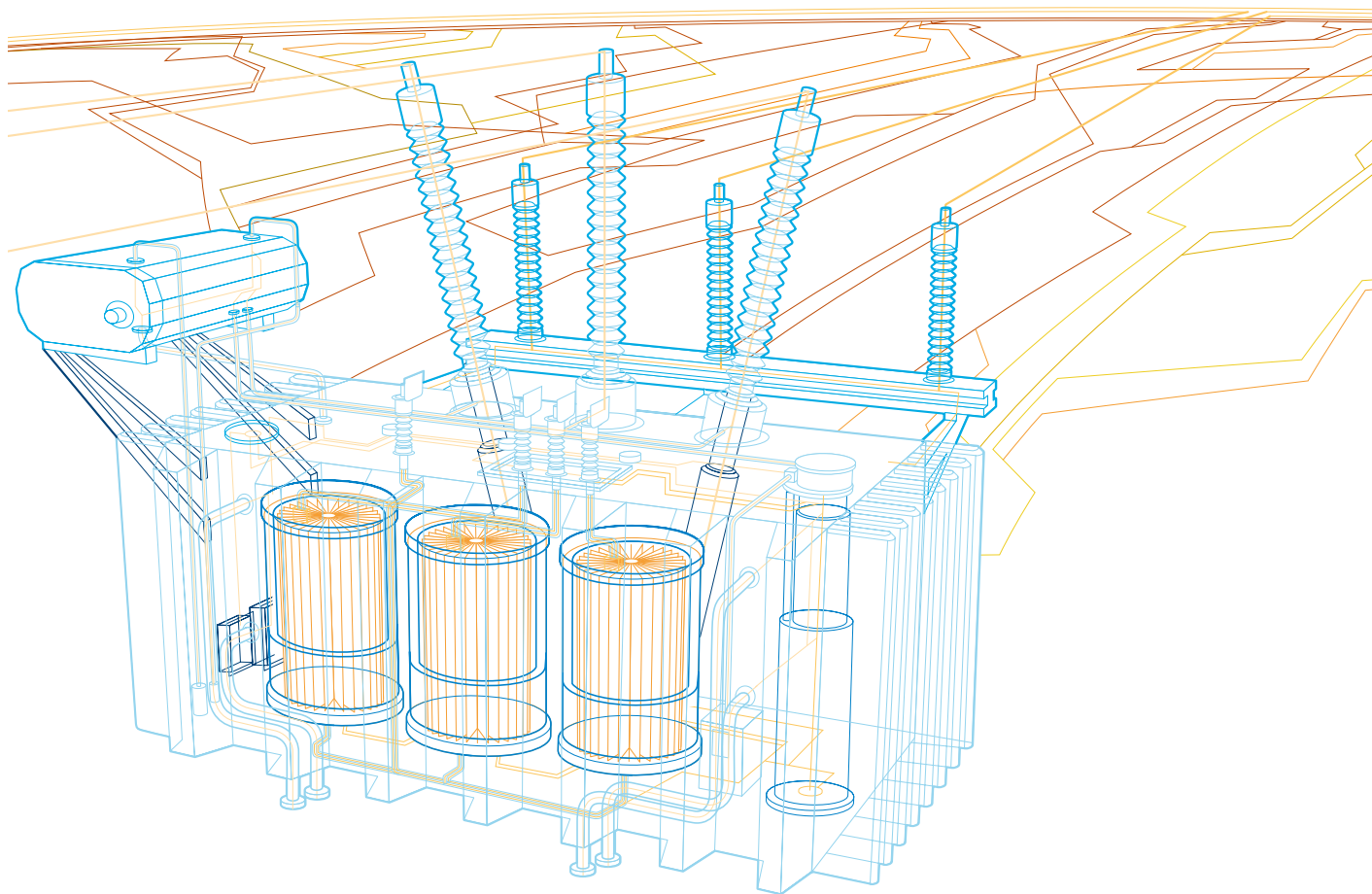


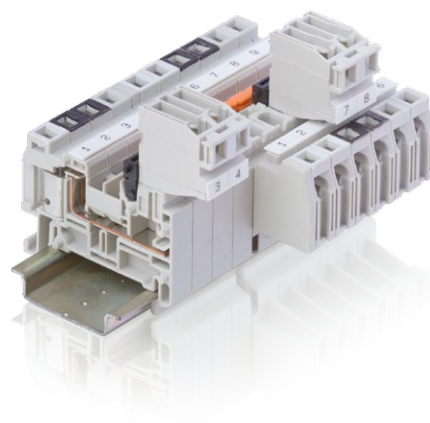
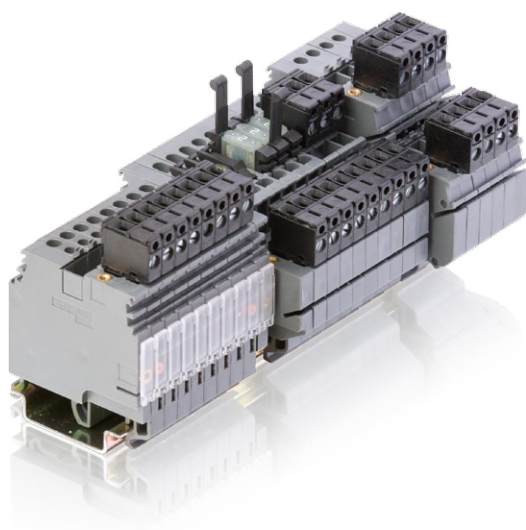
### Accessories

| Description                     | Color                           | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------|---------------------------------|----------|-----------------|---------|------------------|
| <b>1 End stops</b>              | Grey <input type="checkbox"/>   | BAM2     | 1SNA206351R1600 | 50      | 12.00            |
|                                 |                                 | BADL     | 1SNA399903R0200 | 50      | 4.70             |
| <b>2 End sections</b>           | Grey <input type="checkbox"/>   | FEM8T6   | 1SNA215266R0100 | 10      | 4.40             |
| <b>3 Jumper bars</b>            | Grey <input type="checkbox"/>   | AD2.5    | 1SNA114205R2000 | 50      | 1.60             |
| <b>4 Test sockets</b>           | Black <input type="checkbox"/>  | AJS9-1   | 1SNA206680R1500 | 25      | 3.60             |
|                                 | Green <input type="checkbox"/>  | AJS9-2   | 1SNA206681R0200 | 25      | 3.60             |
|                                 | Grey <input type="checkbox"/>   | AJS9-3   | 1SNA206682R0300 | 25      | 3.60             |
|                                 | Blue <input type="checkbox"/>   | AJS9-4   | 1SNA206683R0400 | 25      | 3.60             |
|                                 | Red <input type="checkbox"/>    | AJS9-5   | 1SNA206720R1400 | 25      | 3.60             |
| <b>5 Test plugs</b>             | Red <input type="checkbox"/>    | FC4-1    | 1SNA167927R1000 | 10      | 11.00            |
| <b>6 Short circuit bridges</b>  | Yellow <input type="checkbox"/> | SC-JB8-2 | 1SNK900652R0000 | 25      | 2.00             |
|                                 |                                 | SC-JB8-3 | 1SNK900653R0000 | 25      | 3.40             |
|                                 |                                 | SC-JB8-4 | 1SNK900654R0000 | 25      | 4.70             |
|                                 |                                 |          |                 |         |                  |
| <b>7 Terminal block markers</b> | White <input type="checkbox"/>  | RC810    | 1SNA234000R0200 | 1       | 8.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

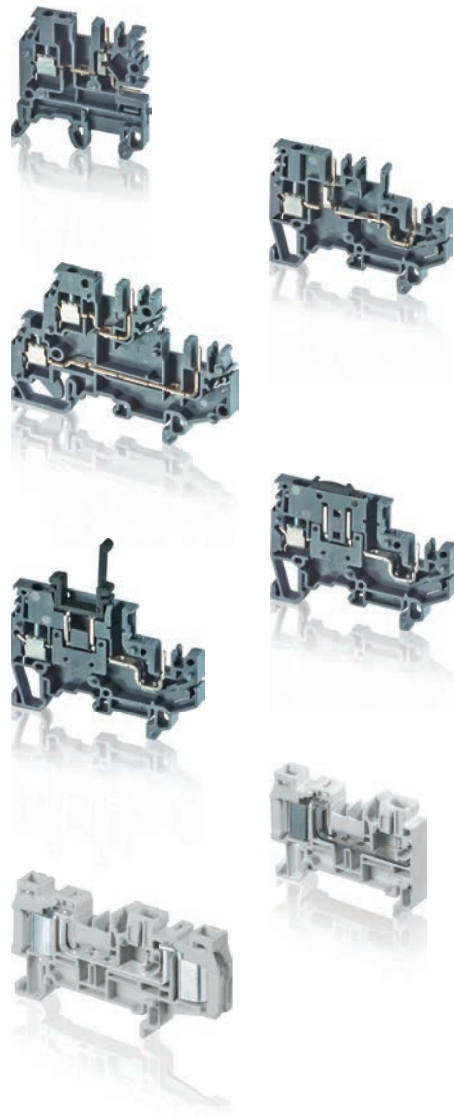
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.





# Solution series, terminal blocks

## Pluggable



|                           |     |
|---------------------------|-----|
| Technologies presentation | 166 |
| Overview                  | 167 |

### Screw clamp technology

#### Feed-through

|                              |                     |  |     |
|------------------------------|---------------------|--|-----|
| 2.5 mm <sup>2</sup> / 12 AWG | <b>MA2.5/5-CPE</b>  |  | 168 |
|                              | <b>MA2.5/5-2CPE</b> |  | 170 |

#### Double deck

|                              |                       |                         |     |
|------------------------------|-----------------------|-------------------------|-----|
| 2.5 mm <sup>2</sup> / 12 AWG | <b>MA2.5/5D2-2CPE</b> | 2 feed-through circuits | 172 |
|                              | <b>MA2.5/5.D-2CPE</b> | 1 feed-through circuit  | 173 |

#### Disconnect with blade

|                              |                        |  |     |
|------------------------------|------------------------|--|-----|
| 2.5 mm <sup>2</sup> / 12 AWG | <b>MA2.5/5-SNB-CPE</b> |  | 174 |
|------------------------------|------------------------|--|-----|

#### Fuse

|                              |                        |  |     |
|------------------------------|------------------------|--|-----|
| 2.5 mm <sup>2</sup> / 12 AWG | <b>MA2.5/5-SFA-CPE</b> |  | 175 |
|------------------------------|------------------------|--|-----|

### ADO technology

#### Feed-through

|                              |                        |                     |     |
|------------------------------|------------------------|---------------------|-----|
| 1.5 mm <sup>2</sup> / 16 AWG | <b>D1.5/7.ADO-CPE</b>  | 1 ADO - 1 pluggable | 176 |
|                              | <b>D1.5/7.2ADO-CPE</b> | 2 ADO - 1 pluggable | 178 |
| 2.5 mm <sup>2</sup> / 14 AWG | <b>D2.5/7.ADO-CPE</b>  | 1 ADO - 1 pluggable | 177 |
|                              | <b>D2.5/7.2ADO-CPE</b> | 2 ADO - 1 pluggable | 179 |

# Solution series, terminal blocks

## Pluggable



## Optimize your equipment assembly process!

ABB's pluggable terminal blocks offer the possibility to use pre-assembled cables and connectors which improve wiring efficiency.

Pluggable technology offers following advantages:

- Wiring can be pre-defined and pre-tested before final assembling
- During assembling, the pre-assembled cables help in saving time (plug & play solution) and reduce wiring errors
- During servicing, rail assemblies or components can be quickly replaced.

The preferred solution for OEM's and panel builders handling cabinets made of multiple separate modules.



RoHS

ISO 9001  
ISO 14001



## A large choice of solutions and technologies

### Screw clamp pluggable technology

ABB's screw clamp pluggable range combines the advantage of a fast connection associated with the standard easy to use screw technology.

The range features various functions such as : feed-through, neutral, double deck, disconnect and fuse.

### PI-Spring screwless pluggable technology

Our PI-Spring pluggable range combines fast assembly and fast wiring thanks to our exclusive tool-free direct insertion connection technology.

The range features functions adapted to OEM's applications such as 2 jumper channels for distribution, testing, high density wiring with dual connection on both side.

Find more in our SNK series catalog.

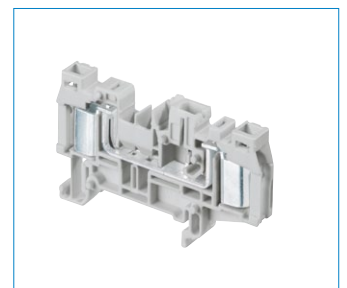
### ADO System® screwless pluggable technology

Combines fast assembly with the Fastest and the Most Reliable Connection on the Market.

Our ADO System® range features high ratings 4 mm<sup>2</sup>/24 A max and high density wiring with dual connection and up to 2 wires per ADO System® connection.



Screw clamp pluggable terminal block



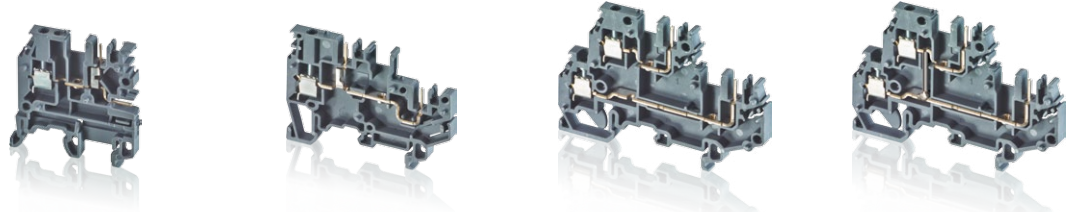
ADO System® pluggable terminal block



# Solution series, terminal blocks

## Pluggable

### Screw clamp technology



Feed-through

Double deck

| Section             |        |                              |                               |                                 |                                 |
|---------------------|--------|------------------------------|-------------------------------|---------------------------------|---------------------------------|
| IEC                 | UL/CSA |                              |                               |                                 |                                 |
| 2.5 mm <sup>2</sup> | 12 AWG |                              |                               |                                 |                                 |
|                     |        | MA2.5/5-CPE<br>5 mm 0.197 in | MA2.5/5-2CPE<br>5 mm 0.197 in | MA2.5/5D2-2CPE<br>5 mm 0.197 in | MA2.5/5.D-2CPE<br>5 mm 0.197 in |

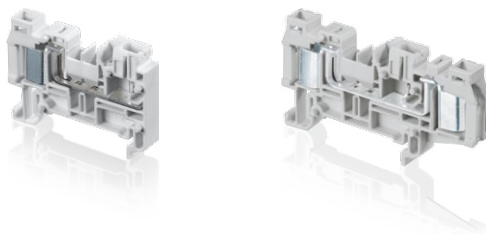


Disconnect with blade

Fuse

| Section             |        |                                  |                                  |
|---------------------|--------|----------------------------------|----------------------------------|
| IEC                 | UL/CSA |                                  |                                  |
| 2.5 mm <sup>2</sup> | 12 AWG |                                  |                                  |
|                     |        | MA2.5/5-SNB-CPE<br>5 mm 0.197 in | MA2.5/5-SFA-CPE<br>5 mm 0.197 in |

### ADO technology



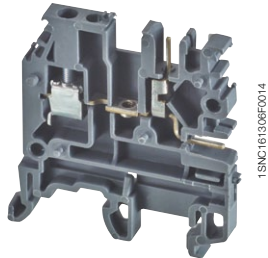
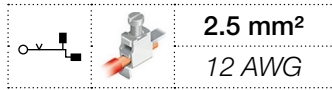
Feed-through

| Section             |        |                                    |                                     |
|---------------------|--------|------------------------------------|-------------------------------------|
| IEC                 | UL/CSA |                                    |                                     |
| 1.5 mm <sup>2</sup> | 16 AWG |                                    |                                     |
|                     |        | D1.5/7.ADO-CPE<br>7.62 mm 0.300 in | D1.5/7.2ADO-CPE<br>7.62 mm 0.300 in |
| 2.5 mm <sup>2</sup> | 14 AWG |                                    |                                     |
|                     |        | D2.5/7.ADO-CPE<br>7.62 mm 0.300 in | D2.5/7.2ADO-CPE<br>7.62 mm 0.300 in |

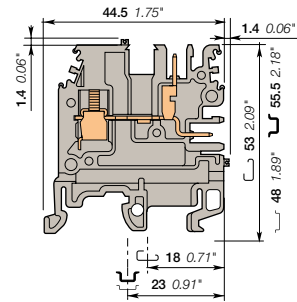
All the technical data for UL/CSA standard and dimensions in inches are in italic.

# MA2.5/5-CPE pluggable terminal blocks

## Feed-through - 5.08 mm 0.200 in spacing



MA2.5/5-CPE



5.08 mm 0.200 in spacing

### Description

- Save in flexibility, reliability and simplicity thanks to the pluggable terminal blocks,
- They are particularly well adapted to solve the connecting problems of equipment composed of sub-assemblies (complex machines such as elevators or trains, panel boards with extension boxes...),
- They can then be easily connected through patchcords with CPFT2 plugs connected to the pluggable terminal blocks outputs.

### Ordering details

| Description                         | Color                         | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------------------|-------------------------------|-------------|-----------------|---------|------------------|
| Feed-through 1 feed-through circuit | Grey <input type="checkbox"/> | MA2.5/5-CPE | 1SNA400814R0000 | 50      | 7.00             |
|                                     | Blue <input type="checkbox"/> | MA2.5/5-CPE | 1SNA400827R0000 | 50      | 7.00             |

### Main technical data

|   | IEC                             | UL                       | CSA       |
|---|---------------------------------|--------------------------|-----------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>    | 24-12 AWG |
|   | Flexible with insulated ferrule | 0.22-2.5 mm <sup>2</sup> |           |
|   | Gauge                           | A3                       |           |
| Rated current / Rated cross section     | 12 A / 2.5 mm <sup>2</sup>      | 10 A / 12 AWG            |           |
| Rated short-time withstand current (1s) | 300 A                           |                          |           |
| Rated voltage                           | 320 V                           | 300 V                    |           |
| Impulse withstand voltage               | 4000 V                          |                          |           |
| Protection                              | IP20                            | NEMA 1                   |           |

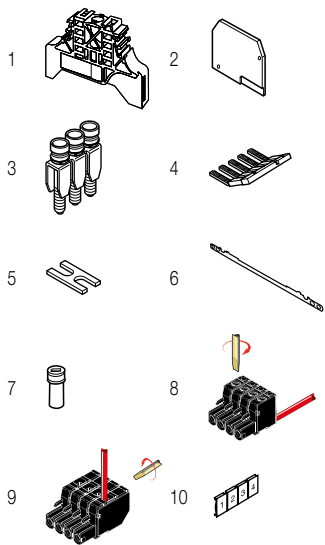
### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | G32, TH 35-7.5, TH 35-15                   |
| Wire stripping length |  | 8.5 mm<br>0.33 in                          |
| Tool                  |  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| Torque                |  | 0.4 - 0.6 Nm<br>3.5 - 5.3 lb.in            |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

### Accessories



| Description                        | Color                          | Type     | Order code      | Pkg pce         | Weight (1 pce) g |       |
|------------------------------------|--------------------------------|----------|-----------------|-----------------|------------------|-------|
| 1 End stops                        | Grey <input type="checkbox"/>  | BAM2     | 1SNA206351R1600 | 50              | 12.00            |       |
|                                    |                                | BADL     | 1SNA399903R0200 | 50              | 4.70             |       |
| 2 End sections                     | Grey <input type="checkbox"/>  | FEM6     | 1SNA400824R0000 | 20              | 2.40             |       |
| 3 Jumper bars                      | Grey <input type="checkbox"/>  | 2 poles  | BJMI5-2         | 1SNA176278R1600 | 10               | 3.30  |
|                                    |                                | 3 poles  | BJMI5-3         | 1SNA176279R1700 | 10               | 5.00  |
|                                    |                                | 4 poles  | BJMI5-4         | 1SNA176280R0500 | 10               | 6.70  |
|                                    |                                | 10 poles | BJMI5-10        | 1SNA176282R2300 | 10               | 16.90 |
| 4 Lateral jumper bars              | Grey <input type="checkbox"/>  | 2 poles  | PC5-2           | 1SNA113542R1000 | 10               | 1.80  |
|                                    |                                | 10 poles | PC5-10          | 1SNA113544R1200 | 10               | 6.00  |
| 5 Cross spacing jumpers            |                                | EL6      | 1SNA173627R2100 | 10              | 0.10             |       |
| 6 Shield connectors                |                                | CBM5     | 1SNA178745R1400 | 50              |                  |       |
| 7 Coding pegs                      |                                | COCF 32  | 1SNA173660R1600 | 10              | 0.10             |       |
|                                    |                                | COC 1    | 1SNA299777R1600 | 10              |                  |       |
|                                    |                                |          |                 |                 |                  |       |
| 8 Female plugs wires parallel      | Black <input type="checkbox"/> | 2 poles  | CPFT2/2         | 1SNA094302R2100 | 120              | 3.20  |
|                                    |                                | 3 poles  | CPFT2/3         | 1SNA094303R2200 | 80               | 4.80  |
|                                    |                                | 4 poles  | CPFT2/4         | 1SNA094304R2300 | 60               | 6.40  |
|                                    |                                | 10 poles | CPFT2/10        | 1SNA094310R2400 | 20               | 16.00 |
|                                    |                                |          |                 |                 |                  |       |
| 9 Female plugs wires perpendicular | Black <input type="checkbox"/> | 2 poles  | CPFT2/R-2       | 1SNA094352R2200 | 120              | 3.80  |
|                                    |                                | 3 poles  | CPFT2/R-3       | 1SNA094353R2300 | 80               | 5.70  |
|                                    |                                | 4 poles  | CPFT2/R-4       | 1SNA094354R2400 | 60               | 7.60  |
|                                    |                                | 10 poles | CPFT2/R-10      | 1SNA094360R0600 | 20               | 19.00 |
|                                    |                                |          |                 |                 |                  |       |
| 10 Terminal block markers          | White <input type="checkbox"/> | RC510    | 1SNA231000R0700 | 1               | 5.20             |       |

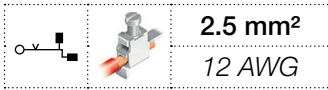
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic.

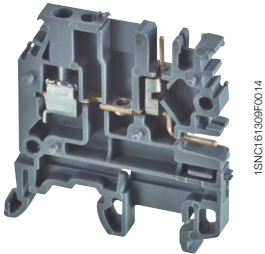
Technical data valid for copper conductors only.

# MA2.5/5-CPE pluggable terminal blocks

## Feed-through - 5.08 mm 0.200 in spacing

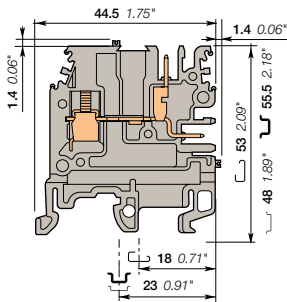


2.5 mm<sup>2</sup>  
12 AWG



1SN1C161309R0014

MA2.5/5-CPE



5.08 mm 0.200 in spacing

### Description

- Save in flexibility, reliability and simplicity thanks to the pluggable terminal blocks,
- They are particularly well adapted to solve the connecting problems of equipment composed of sub-assemblies (complex machines such as elevators or trains, panel boards with extension boxes...),
- They can then be easily connected through patchcords with CPFT2 plugs connected to the pluggable terminal blocks outputs.

### Ordering details

| Description  | Color                         | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|---------------|-----------------|---------|------------------|
| Feed-through 1 feed-through circuit with partition | Grey <input type="checkbox"/> | MA2.5/5-CPE.1 | 1SNA400822R0000 | 50      | 7.00             |

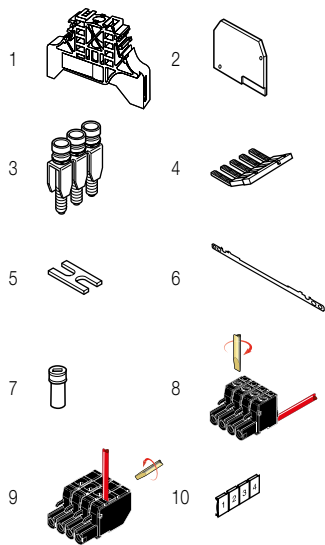
### Main technical data

|  | IEC   | UL  | CSA       | Mounting instructions   |
|--|---|---|-----------|---|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.2-4 mm <sup>2</sup><br>0.22-2.5 mm <sup>2</sup><br>A3 | 24-12 AWG | Rail  G32, TH 35-7.5, TH 35-15<br>Wire stripping length  8.5 mm 0.33 in<br>Tool  Flat screwdriver Ø 3.5 mm Ø 0.138 in |
| <b>Rated current / Rated cross section</b>     | 12 A / 2.5 mm <sup>2</sup>  | 10 A / 12 AWG   |           |   |
| <b>Rated short-time withstand current (1s)</b> | 300 A   |   |           |   |
| <b>Rated voltage</b>                           | 320 V   | 300 V   |           |   |
| <b>Impulse withstand voltage</b>               | 4000 V  |   |           |   |
| <b>Protection</b>                              | IP20  | NEMA 1  |           | Torque  0.4 - 0.6 Nm 3.5 - 5.3 lb.in  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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### Accessories



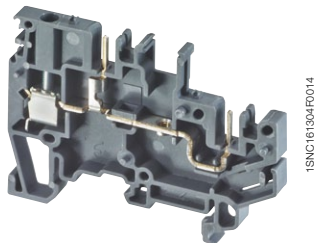
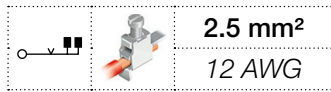
| Description                               | Color                          | Type         | Order code      | Pkg pce         | Weight (1 pce) g |       |
|---|--------------------------------|--------------|-----------------|-----------------|------------------|-------|
| 1 <b>End stops</b>                        | Grey <input type="checkbox"/>  | BAM2         | 1SNA206351R1600 | 50              | 12.00            |       |
|   |                                | BADL         | 1SNA399903R0200 | 50              | 4.70             |       |
| 2 <b>End sections</b>                     | Grey <input type="checkbox"/>  | FEM6         | 1SNA400824R0000 | 20              | 2.40             |       |
| 3 <b>Jumper bars</b>                      | Grey <input type="checkbox"/>  | 2 poles 24 A | BJM5-2          | 1SNA176278R1600 | 10               | 3.30  |
|   |                                | 3 poles      | BJM5-3          | 1SNA176279R1700 | 10               | 5.00  |
|   |                                | 4 poles      | BJM5-4          | 1SNA176280R0500 | 10               | 6.70  |
|   |                                | 10 poles     | BJM5-10         | 1SNA176282R2300 | 10               | 16.90 |
| 4 <b>Lateral jumper bars</b>              | Grey <input type="checkbox"/>  | 2 poles 30 A | PC5-2           | 1SNA113542R1000 | 10               | 1.80  |
|   |                                | 10 poles     | PC5-10          | 1SNA113544R1200 | 10               | 6.00  |
| 5 <b>Cross spacing jumpers</b>            |                                | EL6          | 1SNA173627R2100 | 10              | 0.10             |       |
| 6 <b>Shield connectors</b>                |                                | CBM5         | 1SNA178745R1400 | 50              |                  |       |
| 7 <b>Coding pegs</b>                      |                                | COCF 32      | 1SNA173660R1600 | 10              | 0.10             |       |
|   |                                | COC 1        | 1SNA299777R1600 | 10              |                  |       |
|   |                                |              |                 |                 |                  |       |
| 8 <b>Female plugs wires parallel</b>      | Black <input type="checkbox"/> | 2 poles      | CPFT2/2         | 1SNA094302R2100 | 120              | 3.20  |
|   |                                | 3 poles      | CPFT2/3         | 1SNA094303R2200 | 80               | 4.80  |
|   |                                | 4 poles      | CPFT2/4         | 1SNA094304R2300 | 60               | 6.40  |
|   |                                | 10 poles     | CPFT2/10        | 1SNA094310R2400 | 20               | 16.00 |
|   |                                |              |                 |                 |                  |       |
| 9 <b>Female plugs wires perpendicular</b> | Black <input type="checkbox"/> | 2 poles      | CPFT2/R-2       | 1SNA094352R2200 | 120              | 3.80  |
|   |                                | 3 poles      | CPFT2/R-3       | 1SNA094353R2300 | 80               | 5.70  |
|   |                                | 4 poles      | CPFT2/R-4       | 1SNA094354R2400 | 60               | 7.60  |
|   |                                | 10 poles     | CPFT2/R-10      | 1SNA094360R0600 | 20               | 19.00 |
|   |                                |              |                 |                 |                  |       |
| 10 <b>Terminal block markers</b>          | White <input type="checkbox"/> | Blank card   | RC510           | 1SNA231000R0700 | 1                | 5.20  |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

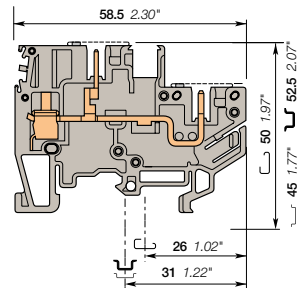
# MA2.5/5-2CPE pluggable terminal blocks

## Feed-through - 5.08 mm 0.200 in spacing



1SNC161304F014

MA2.5/5-2CPE



5.08 mm 0.200 in spacing

### Description

- Save in flexibility, reliability and simplicity thanks to the pluggable terminal blocks,
- They are particularly well adapted to solve the connecting problems of equipment composed of sub-assemblies (complex machines such as elevators or trains, panel boards with extension boxes...),
- They can then be easily connected through patchcords with CPFT2 plugs connected to the pluggable terminal blocks outputs.

### Ordering details

| Description                         | Color                         | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------------------|-------------------------------|--------------|-----------------|---------|------------------|
| Feed-through 1 feed-through circuit | Grey <input type="checkbox"/> | MA2.5/5-2CPE | 1SNA400817R0000 | 50      | 7.00             |
|                                     | Blue <input type="checkbox"/> | MA2.5/5-2CPE | 1SNA125711R1500 | 50      | 7.00             |

### Main technical data

|  | IEC                        | UL            | CSA |
|--|----------------------------|---------------|-----|
| <b>1 conductor per clamp</b>                   |                            |               |     |
| Rigid - Solid / Stranded                       | 0.2-4 mm <sup>2</sup>      | 24-12 AWG     |     |
| Flexible with insulated ferrule                | 0.22-2.5 mm <sup>2</sup>   |               |     |
| Gauge  | A3                         |               |     |
| <b>Rated current / Rated cross section</b>     | 12 A / 2.5 mm <sup>2</sup> | 10 A / 12 AWG |     |
| <b>Rated short-time withstand current (1s)</b> | 300 A                      |               |     |
| <b>Rated voltage</b>                           | 320 V                      | 300 V         |     |
| <b>Impulse withstand voltage</b>               | 4000 V                     |               |     |
| <b>Protection</b>                              | IP20                       | NEMA 1        |     |

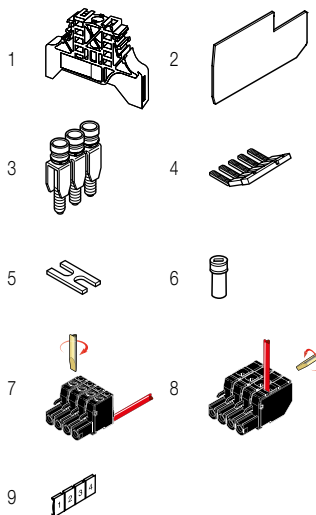
### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | G32, TH 35-7.5, TH 35-15                   |
| Wire stripping length |  | 10 mm<br>0.394 in                          |
| Tool                  |  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| Torque                |  | 0.4 - 0.6 Nm<br>3.5 - 5.3 lb.in            |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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| CE | RoHS | UL | Gost R |

### Accessories



| Description                         | Color                          | Type         | Order code      | Pkg pce         | Weight (1 pce) g |       |
|-------------------------------------|--------------------------------|--------------|-----------------|-----------------|------------------|-------|
| 1 End stops                         | Grey <input type="checkbox"/>  | BAM2         | 1SNA206351R1600 | 50              | 12.00            |       |
|                                     |                                | BADL         | 1SNA399903R0200 | 50              | 4.70             |       |
| 2 End sections                      | Grey <input type="checkbox"/>  | FE2CPE       | 1SNA400826R0000 | 20              | 2.50             |       |
| 3 Jumper bars                       | Grey <input type="checkbox"/>  | 2 poles 24 A | BJMI5-2         | 1SNA176278R1600 | 10               | 3.30  |
|                                     |                                | 3 poles      | BJMI5-3         | 1SNA176279R1700 | 10               | 5.00  |
|                                     |                                | 4 poles      | BJMI5-4         | 1SNA176280R0500 | 10               | 6.70  |
|                                     |                                | 5 poles      | BJMI5-5         | 1SNA176281R2200 | 10               | 8.40  |
|                                     |                                | 10 poles     | BJMI5-10        | 1SNA176282R2300 | 10               | 16.90 |
| 4 Lateral jumper bars               | Grey <input type="checkbox"/>  | 2 poles 30 A | PC5-2           | 1SNA113542R1000 | 10               | 1.80  |
|                                     |                                | 10 poles     | PC5-10          | 1SNA113544R1200 | 10               | 6.00  |
| 5 Cross spacing jumpers             |                                | EL6          | 1SNA173627R2100 | 10              | 0.10             |       |
| 6 Coding pegs                       |                                | COCF 32      | 1SNA173660R1600 | 10              | 0.10             |       |
|                                     |                                | COC 1        | 1SNA299777R1600 | 10              |                  |       |
|                                     |                                |              |                 |                 |                  |       |
| 7 Female plugs wires parallel       | Black <input type="checkbox"/> | 2 poles      | CPFT2/2         | 1SNA094302R2100 | 120              | 3.20  |
|                                     |                                | 3 poles      | CPFT2/3         | 1SNA094303R2200 | 80               | 4.80  |
|                                     |                                | 4 poles      | CPFT2/4         | 1SNA094304R2300 | 60               | 6.40  |
|                                     |                                | 10 poles     | CPFT2/10        | 1SNA094310R2400 | 20               | 16.00 |
|                                     |                                |              |                 |                 |                  |       |
| 8 Female plugs wires perpendicular  | Black <input type="checkbox"/> | 2 poles      | CPFT2/R-2       | 1SNA094352R2200 | 120              | 3.80  |
|                                     |                                | 3 poles      | CPFT2/R-3       | 1SNA094353R2300 | 80               | 5.70  |
|                                     |                                | 4 poles      | CPFT2/R-4       | 1SNA094354R2400 | 60               | 7.60  |
|                                     |                                | 10 poles     | CPFT2/R-10      | 1SNA094360R0600 | 20               | 19.00 |
|                                     |                                |              |                 |                 |                  |       |
| 9 Terminal block markers Blank card | White <input type="checkbox"/> | RC510        | 1SNA231000R0700 | 1               | 5.20             |       |

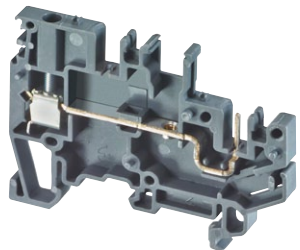
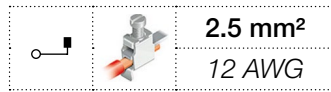
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic.

Technical data valid for copper conductors only.

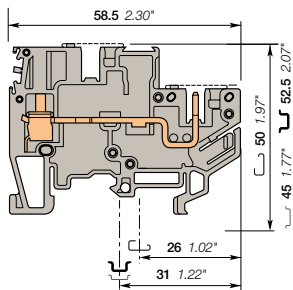
# MA2.5/5-2CPE pluggable terminal blocks

## Feed-through - 5.08 mm 0.200 in spacing



1SNC16131TF0014

MA2.5/5-2CPE



5.08 mm 0.200 in spacing

### Description

- Save in flexibility, reliability and simplicity thanks to the pluggable terminal blocks,
- They are particularly well adapted to solve the connecting problems of equipment composed of sub-assemblies (complex machines such as elevators or trains, panel boards with extension boxes...),
- They can then be easily connected through patchcords with CPFT2 plugs connected to the pluggable terminal blocks outputs.

### Ordering details

| Description   | Color                         | Type             | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|------------------|-----------------|---------|------------------|
| Feed-through 1 feed-through circuit for use in combination with disconnect blocks | Grey <input type="checkbox"/> | MA2.5/5-2CPE1-Pb | 1SNA400821R0000 | 50      | 7.00             |

### Main technical data

|  |                                 | IEC                        | UL            | CSA |
|--|---------------------------------|----------------------------|---------------|-----|
| 1 conductor per clamp                          | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>      | 24-12 AWG     |     |
|  | Flexible with insulated ferrule | 0.22-2.5 mm <sup>2</sup>   |               |     |
|  | Gauge                           | A3                         |               |     |
| <b>Rated current / Rated cross section</b>     |                                 | 12 A / 2.5 mm <sup>2</sup> | 10 A / 12 AWG |     |
| <b>Rated short-time withstand current (1s)</b> |                                 | 300 A                      |               |     |
| <b>Rated voltage</b>                           |                                 | 320 V                      | 300 V         |     |
| <b>Impulse withstand voltage</b>               |                                 | 4000 V                     |               |     |
| <b>Protection</b>                              |                                 | IP20                       | NEMA 1        |     |

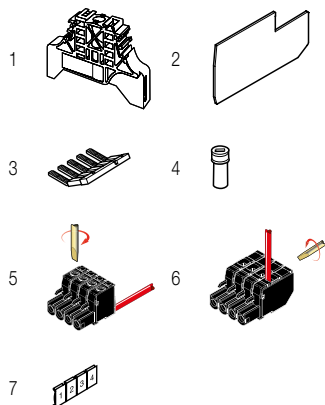
### Mounting instructions

|                       |  |                                      |
|-----------------------|--|--------------------------------------|
| Rail                  |  | G32, TH 35-7.5, TH 35-15             |
| Wire stripping length |  | 10 mm 0.394 in                       |
| Tool                  |  | Flat screwdriver Ø 3.5 mm Ø 0.138 in |
| Torque                |  | 0.4 - 0.6 Nm 3.5 - 5.3 lb.in         |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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### Accessories



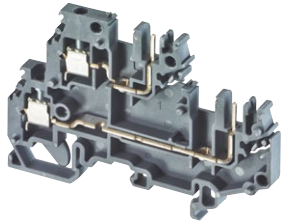
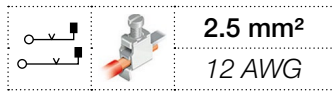
| Description                        | Color                          | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|------------------------------------|--------------------------------|------------|-----------------|---------|------------------|
| 1 End stops                        | Grey <input type="checkbox"/>  | BAM2       | 1SNA206351R1600 | 50      | 12.00            |
|                                    |                                | BADL       | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections                     | Grey <input type="checkbox"/>  | FE2CPE     | 1SNA400826R0000 | 20      | 2.50             |
| 3 Lateral jumper bars              | Grey <input type="checkbox"/>  | PC5-2      | 1SNA113542R1000 | 10      | 1.80             |
|                                    |                                | PC5-10     | 1SNA113544R1200 | 10      | 6.00             |
| 4 Coding pegs                      |                                | COCF 32    | 1SNA173660R1600 | 10      | 0.10             |
|                                    |                                | COC 1      | 1SNA299777R1600 | 10      |                  |
|                                    |                                |            |                 |         |                  |
| 5 Female plugs wires parallel      | Black <input type="checkbox"/> | CPFT2/2    | 1SNA094302R2100 | 120     | 3.20             |
|                                    |                                | CPFT2/3    | 1SNA094303R2200 | 80      | 4.80             |
|                                    |                                | CPFT2/4    | 1SNA094304R2300 | 60      | 6.40             |
|                                    |                                | CPFT2/10   | 1SNA094310R2400 | 20      | 16.00            |
|                                    |                                |            |                 |         |                  |
| 6 Female plugs wires perpendicular | Black <input type="checkbox"/> | CPFT2/R-2  | 1SNA094352R2200 | 120     | 3.80             |
|                                    |                                | CPFT2/R-3  | 1SNA094353R2300 | 80      | 5.70             |
|                                    |                                | CPFT2/R-4  | 1SNA094354R2400 | 60      | 7.60             |
|                                    |                                | CPFT2/R-10 | 1SNA094360R0600 | 20      | 19.00            |
|                                    |                                |            |                 |         |                  |
| 7 Terminal block markers           | White <input type="checkbox"/> | RC510      | 1SNA231000R0700 | 1       | 5.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

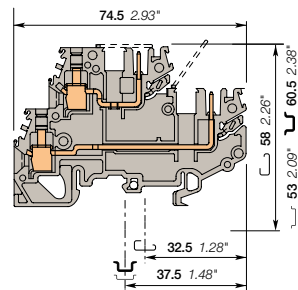
# MA2.5/5D-2CPE pluggable terminal blocks

## Double deck with 2 feed-through circuits - 5.08 mm 0.200 in spacing



1SNC161022F0014

MA2.5/5D-2CPE



5.08 mm 0.200 in spacing

### Description

- Save space with double deck terminal blocks,
- Gain in flexibility, reliability and simplicity thanks to the pluggable terminal blocks,
- Plug & play connection through pre-wired harnesses equipped with CPFT2 plugs.

### Ordering details

| Description                          | Color                         | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------------|-------------------------------|-----------------|-----------------|---------|------------------|
| Feed-through 2 feed-through circuits | Grey <input type="checkbox"/> | MA2.5/5.D2-2CPE | 1SNA400813R0000 | 50      | 12.00            |
|                                      | Blue <input type="checkbox"/> | MA2.5/5.D2-2CPE | 1SNA125961R1000 | 50      | 12.00            |

### Main technical data

|   | IEC                             | UL                       | CSA       | Mounting instructions |  |
|---|---------------------------------|--------------------------|-----------|-----------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>    | 24-12 AWG | Rail                  | G32, TH 35-7.5, TH 35-15                   |
|   | Flexible with insulated ferrule | 0.22-2.5 mm <sup>2</sup> |           | Wire stripping length | 10 mm 0.394 in                             |
|   | Gauge                           | A3                       |           | Tool                  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| Rated current / Rated cross section     | 12 A / 2.5 mm <sup>2</sup>      | 10 A / 12 AWG            |           | Torque                | 0.4 - 0.6 Nm<br>3.5 - 5.3 lb.in            |
| Rated short-time withstand current (1s) | 300 A                           |                          |           |                       |  |
| Rated voltage                           | 320 V                           | 300 V                    |           |                       |  |
| Impulse withstand voltage               | 4000 V                          |                          |           |                       |  |
| Protection                              | IP20                            | NEMA 1                   |           |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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### Accessories

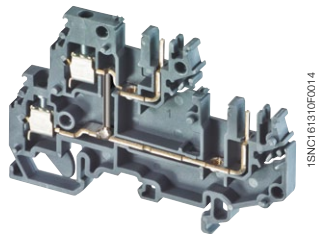
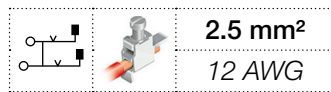
| Description   | Color                                     | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|---|---|------------|-----------------|---------|------------------|
| 1 End stops 12 mm 0.472 in  | Grey <input type="checkbox"/>             | BADH       | 1SNA116900R2700 | 50      | 24.00            |
| 2 End sections 2.54 mm 0.100 in                                       | Grey <input type="checkbox"/>             | FEDCP      | 1SNA400825R0000 | 20      | 3.50             |
| 3 Jumper bars 2 poles 24 A  |   | BJMI5-2    | 1SNA176278R1600 | 10      | 3.30             |
|   |   | BJMI5-3    | 1SNA176279R1700 | 10      | 5.00             |
|   |   | BJMI5-4    | 1SNA176280R0500 | 10      | 6.70             |
|   |   | BJMI5-10   | 1SNA176282R2300 | 10      | 16.90            |
| 4 Lateral jumper bars 2 poles 30 A                                    | Grey <input type="checkbox"/>             | PC5-2      | 1SNA113542R1000 | 10      | 1.80             |
|   |   | PC5-10     | 1SNA113544R1200 | 10      | 6.00             |
| 5 Cross spacing jumpers 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in |   | EL6        | 1SNA173627R2100 | 10      | 0.10             |
| 6 Coding pegs   |   | COCF 32    | 1SNA173660R1600 | 10      | 0.10             |
|   |   | COC 1      | 1SNA299777R1600 | 10      |                  |
| 8 Female plugs wires parallel 5.08 mm 0.200 in                        | Black <input checked="" type="checkbox"/> | CPFT2/2    | 1SNA094302R2100 | 120     | 3.20             |
|   |   | CPFT2/3    | 1SNA094303R2200 | 80      | 4.80             |
|   |   | CPFT2/4    | 1SNA094304R2300 | 60      | 6.40             |
|   |   | CPFT2/10   | 1SNA094310R2400 | 20      | 16.00            |
| 9 Female plugs wires perpendicular 5.08 mm 0.200 in                   | Black <input checked="" type="checkbox"/> | CPFT2/R-2  | 1SNA094352R2200 | 120     | 3.80             |
|   |   | CPFT2/R-3  | 1SNA094353R2300 | 80      | 5.70             |
|   |   | CPFT2/R-4  | 1SNA094354R2400 | 60      | 7.60             |
|   |   | CPFT2/R-10 | 1SNA094360R0600 | 20      | 19.00            |
| 9 Terminal block markers Blank card                                   | White <input type="checkbox"/>            | RC510      | 1SNA231000R0700 | 1       | 5.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

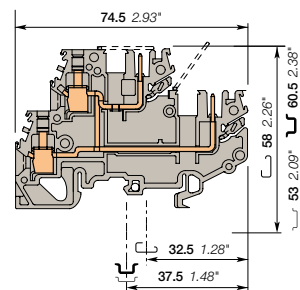
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# MA2.5/5D-2CPE pluggable terminal blocks

## Double deck with 1 feed-through circuit - 5.08 mm 0.200 in spacing



MA2.5/5D-2CPE



5.08 mm 0.200 in spacing

### Description

- Save space with double deck terminal blocks,
- Gain in flexibility, reliability and simplicity thanks to the pluggable terminal blocks,
- Plug & play connection through pre-wired harnesses equipped with CPFT2 plugs.

### Ordering details

| Description                         | Color                         | Type           | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------------------|-------------------------------|----------------|-----------------|---------|------------------|
| Feed-through 1 feed-through circuit | Grey <input type="checkbox"/> | MA2.5/5.D-2CPE | 1SNA400823R0000 | 50      | 12.00            |

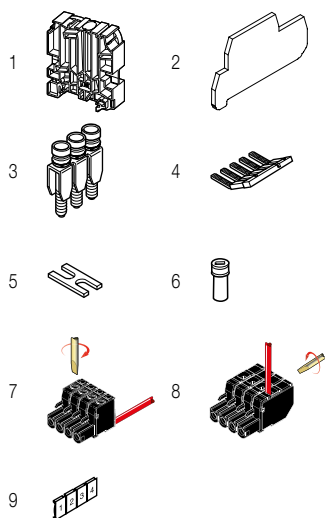
### Main technical data

|  |                                 | IEC                        | UL            | CSA | Mounting instructions |                                      |
|--|---------------------------------|----------------------------|---------------|-----|-----------------------|--------------------------------------|
| 1 conductor per clamp                          | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>      | 24-12 AWG     |     | Rail                  | G32, TH 35-7.5, TH 35-15             |
|  | Flexible with insulated ferrule | 0.22-2.5 mm <sup>2</sup>   |               |     | Wire stripping length | 10 mm 0.394 in                       |
|  | Gauge                           | A3                         |               |     | Tool                  | Flat screwdriver Ø 3.5 mm Ø 0.138 in |
| <b>Rated current / Rated cross section</b>     |                                 | 12 A / 2.5 mm <sup>2</sup> | 10 A / 12 AWG |     | Torque                | 0.4 - 0.6 Nm 3.5 - 5.3 lb.in         |
| <b>Rated short-time withstand current (1s)</b> |                                 | 300 A                      |               |     |                       |                                      |
| <b>Rated voltage</b>                           |                                 | 320 V                      | 300 V         |     |                       |                                      |
| <b>Impulse withstand voltage</b>               |                                 | 4000 V                     |               |     |                       |                                      |
| <b>Protection</b>                              |                                 | IP20                       | NEMA 1        |     |                       |                                      |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |    |     |      |    |     |      |    |     |
|----|------|----|-----|------|----|-----|------|----|-----|
| CE | RoHS | UL | CSA | RoHS | UL | CSA | RoHS | UL | CSA |
| CE | RoHS | UL | CSA | RoHS | UL | CSA | RoHS | UL | CSA |

### Accessories



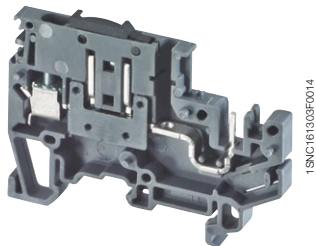
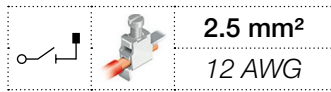
| Description   | Color                          | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|---|--------------------------------|------------|-----------------|---------|------------------|
| 1 End stops 12 mm 0.472 in  | Grey <input type="checkbox"/>  | BADH       | 1SNA116900R2700 | 50      | 24.00            |
| 2 End sections 2.54 mm 0.100 in                                       | Grey <input type="checkbox"/>  | FEDCP      | 1SNA400825R0000 | 20      | 3.50             |
| 3 Jumper bars 2 poles 24 A  |                                | BJM5-2     | 1SNA176278R1600 | 10      | 3.30             |
|   |                                | BJM5-3     | 1SNA176279R1700 | 10      | 5.00             |
|   |                                | BJM5-4     | 1SNA176280R0500 | 10      | 6.70             |
|   |                                | BJM5-10    | 1SNA176282R2300 | 10      | 16.90            |
| 4 Lateral jumper bars 2 poles   | Grey <input type="checkbox"/>  | PC5-2      | 1SNA113542R1000 | 10      | 1.80             |
|   |                                | PC5-10     | 1SNA113544R1200 | 10      | 6.00             |
| 5 Cross spacing jumpers 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in |                                | EL6        | 1SNA173627R2100 | 10      | 0.10             |
| 6 Coding pegs   |                                | COCF 32    | 1SNA173660R1600 | 10      | 0.10             |
|   |                                | COC 1      | 1SNA299777R1600 | 10      |                  |
| 7 Female plugs wires parallel 5.08 mm 0.200 in                        | Black <input type="checkbox"/> | CPFT2/2    | 1SNA094302R2100 | 120     | 3.20             |
|   |                                | CPFT2/3    | 1SNA094303R2200 | 80      | 4.80             |
|   |                                | CPFT2/4    | 1SNA094304R2300 | 60      | 6.40             |
|   |                                | CPFT2/10   | 1SNA094310R2400 | 20      | 16.00            |
|   |                                | CPFT2/R-2  | 1SNA094352R2200 | 120     | 3.80             |
| 8 Female plugs wires perpendicular 5.08 mm 0.200 in                   | Black <input type="checkbox"/> | CPFT2/R-3  | 1SNA094353R2300 | 80      | 5.70             |
|   |                                | CPFT2/R-4  | 1SNA094354R2400 | 60      | 7.60             |
|   |                                | CPFT2/R-10 | 1SNA094360R0600 | 20      | 19.00            |
| 9 Terminal block markers Blank card                                   | White <input type="checkbox"/> | RC510      | 1SNA231000R0700 | 1       | 5.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

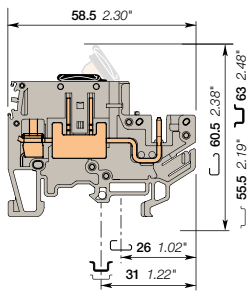
All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

# MA2.5/5-SNB-CPE pluggable terminal blocks

## Disconnect with blade - 5.08 mm 0.200 in spacing



MA2.5/5-SNB-CPE



5.08 mm 0.200 in spacing

### Description

- Save in flexibility, reliability and simplicity thanks to the pluggable terminal blocks,
- They are particularly well adapted to solve the connecting problems of equipment composed of sub-assemblies (complex machines such as elevators or trains, panel boards with extension boxes...),
- They can then be easily connected through patchcords with CPFT2 plugs connected to the pluggable terminal blocks outputs.

### Ordering details

| Description                       | Color | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|-----------------------------------|-------|-----------------|-----------------|---------|------------------|
| Disconnect 1 feed-through circuit | Grey  | MA2.5/5-SNB-CPE | 1SNA400815R0000 | 50      | 7.00             |

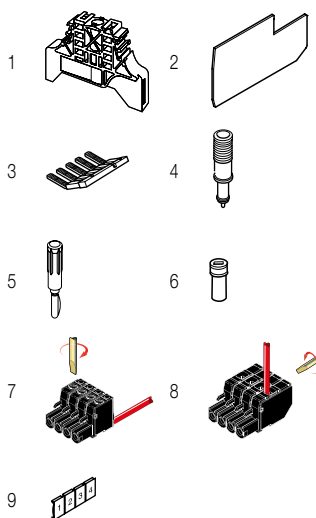
### Main technical data

|  |                                 | IEC                        | UL            | CSA | Mounting instructions |  |
|--|---------------------------------|----------------------------|---------------|-----|-----------------------|--|
| 1 conductor per clamp                          | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>      | 24-12 AWG     |     | Rail                  | G32, TH 35-7.5, TH 35-15                   |
|  | Flexible with insulated ferrule | 0.22-2.5 mm <sup>2</sup>   |               |     | Wire stripping length | 10 mm 0.394 in                             |
|  | Gauge                           | A3                         |               |     | Tool                  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| <b>Rated current / Rated cross section</b>     |                                 | 10 A / 2.5 mm <sup>2</sup> | 10 A / 12 AWG |     | Torque                | 0.4 - 0.6 Nm<br>3.5 - 5.3 lb.in            |
| <b>Rated short-time withstand current (1s)</b> |                                 | 120 A                      |               |     |                       |  |
| <b>Rated voltage</b>                           |                                 | 320 V                      | 300 V         |     |                       |  |
| <b>Impulse withstand voltage</b>               |                                 | 4000 V                     |               |     |                       |  |
| <b>Protection</b>                              |                                 | IP20                       | NEMA 1        |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |    |     |      |    |     |      |    |     |
|----|------|----|-----|------|----|-----|------|----|-----|
| CE | RoHS | UL | CSA | RoHS | UL | CSA | RoHS | UL | CSA |
| CE | RoHS | UL | CSA | RoHS | UL | CSA | RoHS | UL | CSA |

### Accessories



| Description                        | Color | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|------------------------------------|-------|------------|-----------------|---------|------------------|
| 1 End stops                        | Grey  | BAM2       | 1SNA206351R1600 | 50      | 12.00            |
|                                    |       | BADL       | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections                     | Grey  | FE2CPE     | 1SNA400826R0000 | 20      | 2.50             |
| 3 Lateral jumper bars              | Grey  | PC5-2      | 1SNA113542R1000 | 10      | 1.80             |
|                                    |       | PC5-10     | 1SNA113544R1200 | 10      | 6.00             |
| 4 Test adapters                    | Blue  | DCB        | 1SNA105028R2100 | 10      | 20.00            |
| 5 Test plugs                       | Black | FC2        | 1SNA007865R2600 | 100     |                  |
| 6 Coding pegs                      | Black | COCF 32    | 1SNA173660R1600 | 10      | 0.10             |
|                                    |       | COC 1      | 1SNA299777R1600 | 10      |                  |
|                                    |       | CPFT2/2    | 1SNA094302R2100 | 120     | 3.20             |
| 7 Female plugs wires parallel      | Black | CPFT2/3    | 1SNA094303R2200 | 80      | 4.80             |
|                                    |       | CPFT2/4    | 1SNA094304R2300 | 60      | 6.40             |
|                                    |       | CPFT2/10   | 1SNA094310R2400 | 20      | 16.00            |
|                                    |       | CPFT2/R-2  | 1SNA094352R2200 | 120     | 3.80             |
|                                    |       | CPFT2/R-3  | 1SNA094353R2300 | 80      | 5.70             |
| 8 Female plugs wires perpendicular | Black | CPFT2/R-4  | 1SNA094354R2400 | 60      | 7.60             |
|                                    |       | CPFT2/R-10 | 1SNA094360R0600 | 20      | 19.00            |
|                                    |       | CPFT2/R-10 | 1SNA094360R0600 | 20      | 19.00            |
| 9 Terminal block markers           | White | RC510      | 1SNA231000R0700 | 1       | 5.20             |

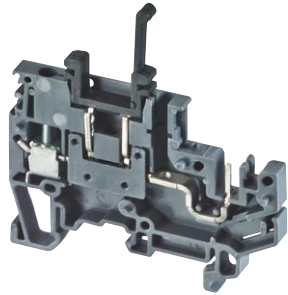
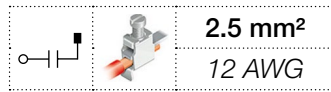
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

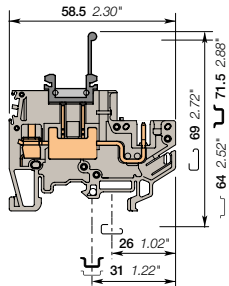


# MA2.5/5-SFA-CPE pluggable terminal blocks

## Disconnect with fuse - with test socket - 5.08 mm 0.200 in spacing



MA2.5/5-SFA-CPE



5.08 mm 0.200 in spacing

### Description

- Protect your control circuits with miniFuse terminal blocks,
- Gain in flexibility, reliability and simplicity thanks to the pluggable terminal blocks,
- Plug & play connection through pre-wired harnesses equipped with CPFT2 plugs.

### Ordering details

| Description                 | Color                         | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|-----------------------------|-------------------------------|-----------------|-----------------|---------|------------------|
| Fuse 1 feed-through circuit | Grey <input type="checkbox"/> | MA2.5/5-SFA-CPE | 1SNA400816R0000 | 50      | 7.00             |

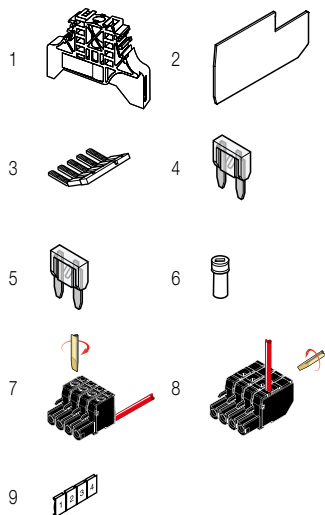
### Main technical data

|  |                                 | IEC                       | UL           | CSA | Mounting instructions |                                      |
|--|---------------------------------|---------------------------|--------------|-----|-----------------------|--------------------------------------|
| 1 conductor per clamp                          | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>     | 24-12 AWG    |     | Rail                  | G32, TH 35-7.5, TH 35-15             |
|  | Flexible with insulated ferrule | 0.22-2.5 mm <sup>2</sup>  |              |     | Wire stripping length | 10 mm 0.394 in                       |
|  | Gauge                           | A3                        |              |     | Tool                  | Flat screwdriver Ø 3.5 mm Ø 0.138 in |
| <b>Rated current / Rated cross section</b>     |                                 | 3 A / 2.5 mm <sup>2</sup> | 3 A / 12 AWG |     | Torque                | 0.4 - 0.6 Nm 3.5 - 5.3 lb.in         |
| <b>Rated short-time withstand current (1s)</b> |                                 |                           |              |     |                       |                                      |
| <b>Rated voltage</b>                           |                                 | 320 V                     | 300 V        |     |                       |                                      |
| <b>Impulse withstand voltage</b>               |                                 | 4000 V                    |              |     |                       |                                      |
| <b>Protection</b>                              |                                 | IP20                      | NEMA 1       |     |                       |                                      |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|--|

### Accessories



| Description                         | Color                          | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------------------|--------------------------------|------------|-----------------|---------|------------------|
| 1 End stops                         | Grey <input type="checkbox"/>  | BAM2       | 1SNA206351R1600 | 50      | 12.00            |
|                                     |                                | BADL       | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections                      | Grey <input type="checkbox"/>  | FE2CPE     | 1SNA400826R0000 | 20      | 2.50             |
| 3 Lateral jumper bars               | Grey <input type="checkbox"/>  | PC5-2      | 1SNA113542R1000 | 10      | 1.80             |
|                                     |                                | PC5-10     | 1SNA113544R1200 | 10      | 6.00             |
| 4 Fuses                             |                                | FUAUTO     | 1SNA179879R1400 | 10      | 1.00             |
|                                     |                                |            | 1SNA179880R0200 | 10      | 1.00             |
| 5 Component plugs                   | Black <input type="checkbox"/> | BF5AUTO    | 1SNA299877R0300 | 50      | 1.00             |
| 6 Coding pegs                       |                                | COCF 32    | 1SNA173660R1600 | 10      | 0.10             |
|                                     |                                | COC 1      | 1SNA299777R1600 | 10      |                  |
|                                     |                                |            |                 |         |                  |
| 7 Female plugs wires parallel       | Black <input type="checkbox"/> | CPFT2/2    | 1SNA094302R2100 | 120     | 3.20             |
|                                     |                                | CPFT2/3    | 1SNA094303R2200 | 80      | 4.80             |
|                                     |                                | CPFT2/4    | 1SNA094304R2300 | 60      | 6.40             |
|                                     |                                | CPFT2/10   | 1SNA094310R2400 | 20      | 16.00            |
|                                     |                                | CPFT2/R-2  | 1SNA094352R2200 | 120     | 3.80             |
| 8 Female plugs wires perpendicular  | Black <input type="checkbox"/> | CPFT2/R-3  | 1SNA094353R2300 | 80      | 5.70             |
|                                     |                                | CPFT2/R-4  | 1SNA094354R2400 | 60      | 7.60             |
|                                     |                                | CPFT2/R-10 | 1SNA094360R0600 | 20      | 19.00            |
|                                     |                                |            |                 |         |                  |
| 9 Terminal block markers Blank card | White <input type="checkbox"/> | RC510      | 1SNA231000R0700 | 1       | 5.20             |

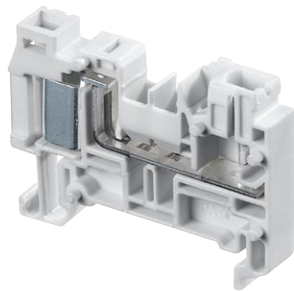
Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic.  
Technical data valid for copper conductors only.

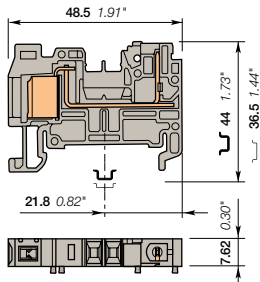
# D1.5/7.ADO-CPE pluggable terminal blocks

## Feed-through ADO - pluggable - 7.62 mm 0.300 in spacing



1SNC163130P0014

D1.5/7.ADO-CPE



7.62 mm 0.300 in spacing

### Description

- Disconnect terminal blocks allow easy opening, maintenance and current or voltage testing without disconnecting the wiring,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description                     | Color                         | Type           | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------|-------------------------------|----------------|-----------------|---------|------------------|
| Feed-through 1 ADO, 1 pluggable | Grey <input type="checkbox"/> | D1.5/7.ADO-CPE | 1SNA290486R2700 | 50      |                  |

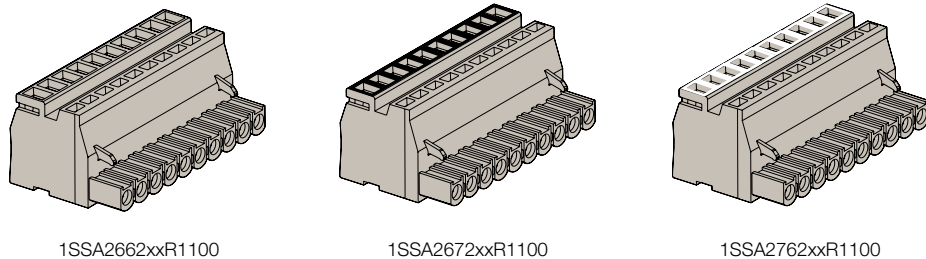
### Main technical data

|   |   | IEC  | UL            | CSA | Mounting instructions |                        |
|---|---|--|---------------|-----|-----------------------|------------------------|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible                                    | 0.34-1.5 mm <sup>2</sup><br>0.34-2.5 mm <sup>2</sup> | 22-16 AWG     |     | Rail                  | TH 35-7.5,<br>TH 35-15 |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge |  |               |     | Wire stripping length |                        |
| Rated current / Rated cross section     |   | 16 A / 1.5 mm <sup>2</sup>                           | 15 A / 16 AWG |     | Tool                  |                        |
| Rated short-time withstand current (1s) |   | 180 A  |               |     | Torque                |                        |
| Rated voltage                           |   | 500 V  | 300 V         |     |                       |                        |
| Impulse withstand voltage               |   |  |               |     |                       |                        |
| Protection                              |   | IP20   | NEMA 1        |     |                       |                        |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



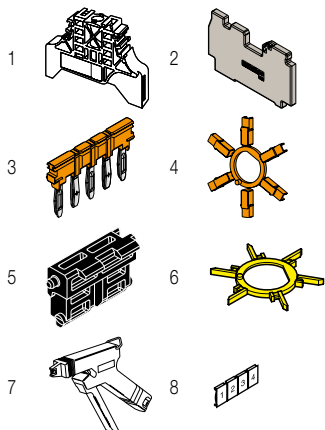
### Notes



### Accessories

| Description              | Color                           | Type                | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|---------------------------------|---------------------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>   | BAM2                | 1SNA206351R1600 | 50      | 12.00            |
|                          |                                 | BADL                | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections           | Grey <input type="checkbox"/>   | FECPE.ADO           | 1SNA291832R1600 | 20      | 2.50             |
| 3 Jumper bars            |                                 | BJE762.2            | 1SNA290451R0300 | 10      | 5.30             |
|                          |                                 | BJE762.5            | 1SNA290452R0400 | 10      | 15.40            |
|                          |                                 | BJE762.10           | 1SNA290453R0500 | 10      | 24.00            |
| 4 Insulating tips        | Orange <input type="checkbox"/> | EIP                 | 1SNA290454R0600 | 10      | 100.00           |
| 5 Locking devices        | Black <input type="checkbox"/>  | VRADO.CPE7          | 1SNA40063R0000  | 20      | 0.40             |
| 6 Coding pegs            | Yellow <input type="checkbox"/> | COCE                | 1SNA199321R2100 | 10      | 1.00             |
| 7 Tools                  |                                 | Semi automatic tool | OUPAD           | 1       | 205.00           |
|                          |                                 | Hand tool           | OUMAD           | 1       | 29.00            |
| 8 Terminal block markers | White <input type="checkbox"/>  | Blank card          | RB-12W7         | 50      | 6.00             |

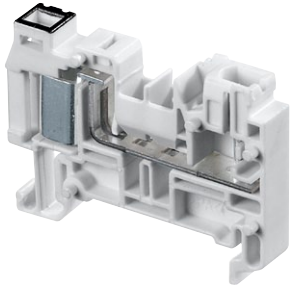
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

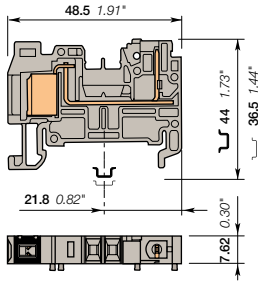
# D2.5/7.ADO-CPE pluggable terminal blocks

## Feed-through ADO - pluggable - 7.62 mm 0.300 in spacing



1SNC1631632F0014

D2.5/7.ADO-CPE



7.62 mm 0.300 in spacing

### Description

- Disconnect terminal blocks allow easy opening, maintenance and current or voltage testing without disconnecting the wiring,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description  | Color                         | Type           | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|----------------|-----------------|---------|------------------|
| Feed-through 1 ADO, 1 pluggable with black marking for wire size 1-2.5 mm² (16-14 AWG) | Grey <input type="checkbox"/> | D2.5/7.ADO-CPE | 1SNA290483R2400 | 50      | 8.40             |

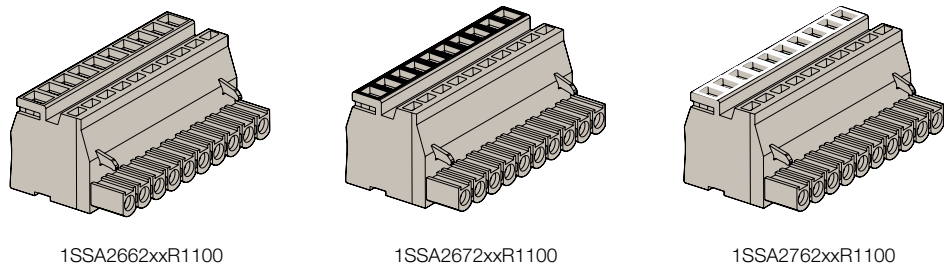
### Main technical data

|   | IEC  | UL            | CSA | Mounting instructions                              |
|---|--|---------------|-----|--|
| ADO                                     | Rigid - Solid / Stranded Flexible<br>1-2.5 mm²<br>1-2.5 mm²    | 16-14 AWG     |     | Rail  TH 35-7.5, TH 35-15<br>Wire stripping length |
| Screw clamp                             | Rigid - Solid / Stranded Flexible with insulated ferrule Gauge |               |     | Tool   |
| Rated current / Rated cross section     | 24 A / 2.5 mm²   | 15 A / 14 AWG |     | Torque   |
| Rated short-time withstand current (1s) | 300 A  |               |     |  |
| Rated voltage                           | 500 V  | 300 V         |     |  |
| Impulse withstand voltage Protection    | IP20   | NEMA 1        |     |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Notes



### Accessories

| Description                                   | Color                           | Type                              | Order code  | Pkg pce        | Weight (1 pce) g       |
|---|---------------------------------|-----------------------------------|---|----------------|------------------------|
| 1 End stops 10 mm 0.394 in 9 mm 0.354 in      | Grey <input type="checkbox"/>   | BAM2<br>BADL                      | 1SNA206351R1600<br>1SNA399903R0200                    | 50<br>50       | 12.00<br>4.70          |
| 2 End sections 2.9 mm 0.114 in                | Grey <input type="checkbox"/>   | FECPE_ADO                         | 1SNA291832R1600                                       | 20             | 2.50                   |
| 3 Jumper bars 2 poles 5 poles 10 poles        |                                 | BJE762.2<br>BJE762.5<br>BJE762.10 | 1SNA290451R0300<br>1SNA290452R0400<br>1SNA290453R0500 | 10<br>10<br>10 | 5.30<br>15.40<br>24.00 |
| 4 Insulating tips For jumper bars type BJE762 | Orange <input type="checkbox"/> | EIP                               | 1SNA290454R0600                                       | 10             | 100.00                 |
| 5 Locking devices                             | Black <input type="checkbox"/>  | VRADO.CPE7                        | 1SNA400063R0000                                       | 20             | 0.40                   |
| 6 Coding pegs                                 | Yellow <input type="checkbox"/> | COCE                              | 1SNA199321R2100                                       | 10             | 1.00                   |
| 7 Tools Semi automatic tool Hand tool         |                                 | OUPAD<br>OUMAD                    | 1SNA178944R0400<br>1SNA179466R0600                    | 1<br>1         | 205.00<br>29.00        |
| 8 Terminal block markers Blank card           | White <input type="checkbox"/>  | RB-12W7                           | 1SNA290455R0700                                       | 50             | 6.00                   |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

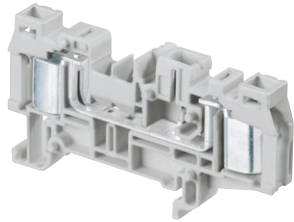
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D1.5/7.2ADO-CPE pluggable terminal blocks

## Feed-through ADO - pluggable - 7.62 mm 0.300 in spacing

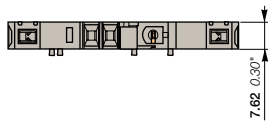
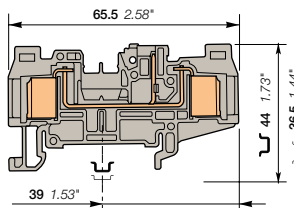


1.5 mm<sup>2</sup>  
16 AWG



1SNC16316F0014

D1.5/7.2ADO-CPE



7.62 mm 0.300 in spacing

### Description

- Disconnect terminal blocks allow easy opening, maintenance and current or voltage testing without disconnecting the wiring,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description                     | Color                         | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------|-------------------------------|-----------------|-----------------|---------|------------------|
| Feed-through 2 ADO, 1 pluggable | Grey <input type="checkbox"/> | D1.5/7.2ADO-CPE | 1SNA290487R2000 | 50      |                  |

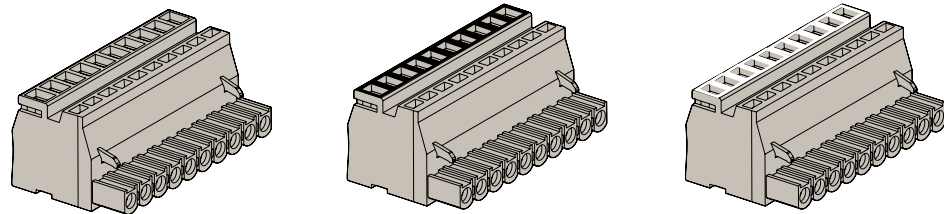
### Main technical data

|   |   | IEC  | UL            | CSA | Mounting instructions |                        |
|---|---|--|---------------|-----|-----------------------|------------------------|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible                                    | 0.34-1.5 mm <sup>2</sup><br>0.34-2.5 mm <sup>2</sup> | 22-16 AWG     |     | Rail                  | TH 35-7.5,<br>TH 35-15 |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge |  |               |     | Wire stripping length |                        |
| Rated current / Rated cross section     |   | 16 A / 1.5 mm <sup>2</sup>                           | 15 A / 16 AWG |     | Tool                  |                        |
| Rated short-time withstand current (1s) |   | 180 A  |               |     | Torque                |                        |
| Rated voltage                           |   | 500 V  | 300 V         |     |                       |                        |
| Impulse withstand voltage               |   |  |               |     |                       |                        |
| Protection                              |   | IP20   | NEMA 1        |     |                       |                        |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Notes



1SSA2662xxR1100

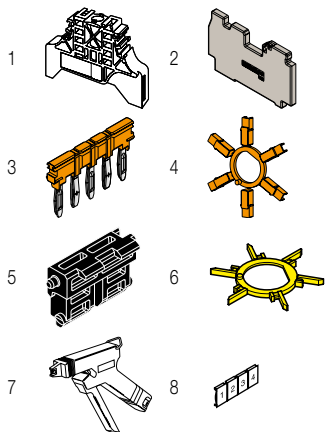
1SSA2672xxR1100

1SSA2762xxR1100

### Accessories

| Description              | Color                           | Type                | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|---------------------------------|---------------------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>   | BAM2                | 1SNA206351R1600 | 50      | 12.00            |
|                          |                                 | BADL                | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections           | Grey <input type="checkbox"/>   | FECPE.2ADO          | 1SNA291833R1700 | 20      | 2.50             |
| 3 Jumper bars            |                                 | BJE762.2            | 1SNA290451R0300 | 10      | 5.30             |
|                          |                                 | BJE762.5            | 1SNA290452R0400 | 10      | 15.40            |
|                          |                                 | BJE762.10           | 1SNA290453R0500 | 10      | 24.00            |
| 4 Insulating tips        | Orange <input type="checkbox"/> | EIP                 | 1SNA290454R0600 | 10      | 100.00           |
| 5 Locking devices        | Black <input type="checkbox"/>  | VRADO.CPE7          | 1SNA400063R0000 | 20      | 0.40             |
| 6 Coding pegs            | Yellow <input type="checkbox"/> | COCE                | 1SNA199321R2100 | 10      | 1.00             |
| 7 Tools                  |                                 | Semi automatic tool | OUPAD           | 1       | 205.00           |
|                          |                                 | Hand tool           | OUMAD           | 1       | 29.00            |
| 8 Terminal block markers | White <input type="checkbox"/>  | Blank card          | RB-12W7         | 50      | 6.00             |

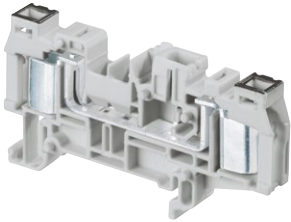
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



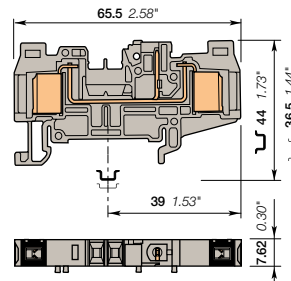
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D2.5/7.2ADO-CPE pluggable terminal blocks

## Feed-through ADO - pluggable - 7.62 mm 0.300 in spacing



D2.5/7.2ADO-CPE



7.62 mm 0.300 in spacing

### Description

- Disconnect terminal blocks allow easy opening, maintenance and current or voltage testing without disconnecting the wiring,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description  | Color                         | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|-----------------|-----------------|---------|------------------|
| Feed-through 2 ADO, 1 pluggable with black marking for wire size 1-2.5 mm <sup>2</sup> (16-14 AWG) | Grey <input type="checkbox"/> | D2.5/7.2ADO-CPE | 1SNA290484R2500 | 50      | 11.00            |

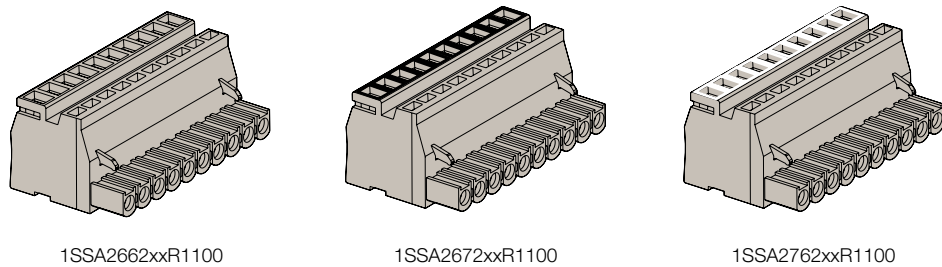
### Main technical data

|   |   | IEC  | UL            | CSA | Mounting instructions          |
|---|---|--|---------------|-----|--------------------------------|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible                                    | 1-2.5 mm <sup>2</sup><br>1-2.5 mm <sup>2</sup> | 16-14 AWG     |     | Rail<br>TH 35-7.5,<br>TH 35-15 |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge |  |               |     | Wire stripping length<br>Tool  |
| Rated current / Rated cross section     |   | 24 A / 2.5 mm <sup>2</sup>                     | 15 A / 14 AWG |     | Torque                         |
| Rated short-time withstand current (1s) |   | 300 A  |               |     |                                |
| Rated voltage                           |   | 500 V  | 300 V         |     |                                |
| Impulse withstand voltage Protection    |   | IP20   | NEMA 1        |     |                                |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Notes

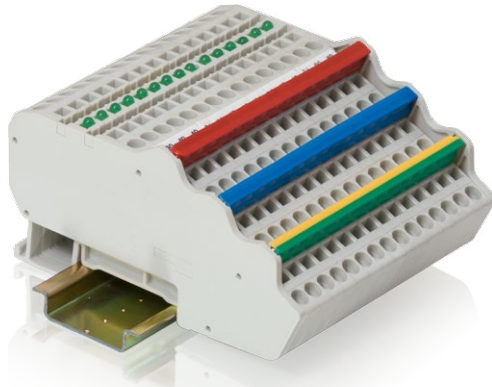


### Accessories

| Description              | Color                           | Type                         | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|---------------------------------|------------------------------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>   | BAM2                         | 1SNA206351R1600 | 50      | 12.00            |
|                          |                                 | BADL                         | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections           | Grey <input type="checkbox"/>   | FECPE 2ADO                   | 1SNA291833R1700 | 20      | 2.50             |
| 3 Jumper bars            |                                 | 2 poles<br>BJE762.2          | 1SNA290451R0300 | 10      | 5.30             |
|                          |                                 | 5 poles<br>BJE762.5          | 1SNA290452R0400 | 10      | 15.40            |
|                          |                                 | 10 poles<br>BJE762.10        | 1SNA290453R0500 | 10      | 24.00            |
| 4 Insulating tips        | Orange <input type="checkbox"/> | EIP                          | 1SNA290454R0600 | 10      | 100.00           |
| 5 Locking devices        | Black <input type="checkbox"/>  | VRADO.CPE7                   | 1SNA400063R0000 | 20      | 0.40             |
| 6 Coding pegs            | Yellow <input type="checkbox"/> | COCE                         | 1SNA199321R2100 | 10      | 1.00             |
| 7 Tools                  |                                 | Semi automatic tool<br>OUPAD | 1SNA178944R0400 | 1       | 205.00           |
|                          |                                 | Hand tool<br>OUMAD           | 1SNA179466R0600 | 1       | 29.00            |
| 8 Terminal block markers | White <input type="checkbox"/>  | Blank card<br>RB-12W7        | 1SNA290455R0700 | 50      | 6.00             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.



# Solution series, terminal blocks

## Sensors / Actuators



|                           |     |
|---------------------------|-----|
| Technologies presentation | 182 |
| Overview                  | 183 |

### Screw clamp technology

#### 3 wire sensor

|                              |            |                |     |
|------------------------------|------------|----------------|-----|
| 2.5 mm <sup>2</sup> / 12 AWG | D2.5/6.D   |                | 184 |
|                              | D2.5/6.DL  | With red led   | 185 |
|                              | D2.5/6.DAL | With green led | 186 |

#### Thermocouple

|      |     |
|------|-----|
| MTC6 | 187 |
|------|-----|

### Spring clamp technology

#### 3 wire sensor

|                              |               |                |     |
|------------------------------|---------------|----------------|-----|
| 1.5 mm <sup>2</sup> / 16 AWG | D2.5/5.C3.L   |                | 188 |
|                              | D2.5/5.C3.L.L | With green led | 189 |

#### 4 wire sensor

|                              |               |                |     |
|------------------------------|---------------|----------------|-----|
| 1.5 mm <sup>2</sup> / 16 AWG | D2.5/5.C4.L   |                | 190 |
|                              | D2.5/5.C4.L.L | With green led | 191 |

### ADO-ADO technology

#### 3 wire sensor

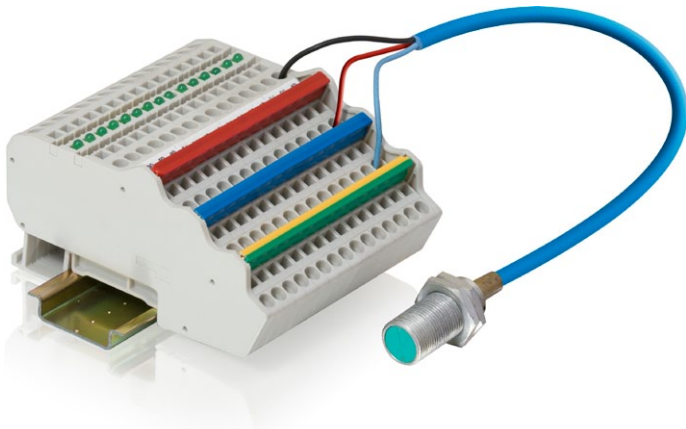
|                            |               |                |     |
|----------------------------|---------------|----------------|-----|
| 1 mm <sup>2</sup> / 20 AWG | D1/5.C3.ADO   |                | 192 |
|                            | D1/5.C3.ADO.L | With green led | 193 |

#### 4 wire sensor

|                            |               |                |     |
|----------------------------|---------------|----------------|-----|
| 1 mm <sup>2</sup> / 20 AWG | D1/5.C4.ADO   |                | 194 |
|                            | D1/5.C4.ADO.L | With green led | 195 |

# Solution series, terminal blocks

## Sensors / Actuators



## The smart choice for process automation applications

Process automation applications typically require the use of a large number of digital or analog signals and sensors. The space constraint is often an issue in regards to this large volume of signals to handle.

ABB sensor and actuator terminal blocks reduce the installation costs, speed the wiring and ease commissioning thanks to:

- Compact multi deck terminals blocks for 3 & 4 wire sensors
- Potentials distribution via jumper (positive, negative, ground)
- Signal indication via LED for circuit status indication.

## Select from our large choice of solutions and technologies

### Classic and compact screw clamp terminal blocks

The product family features very compact dimensions. It is the preferred choice for small junction boxes when panel height is a constraints. Our terminals are compatible with:

- 2 wire and 3 wire sensors
- PNP & NPN sensors.

### Convenient and ergonomic spring clamp terminal blocks

The product family features popular spring technology particularly appreciated in process industry.

Our product family offers:

- Compatibility with 2, 3 and 4 wire sensors
- Compatibility: with NPN and PNP sensors thanks to bidirectional LED indicators
- Color coded 34 poles plug-in jumpers adapted to popular PLC I/O cards configurations (8, 16, 32 channels).

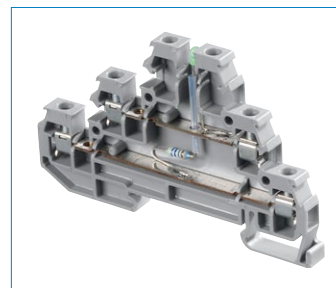
### ADO System® terminal blocks: experience the fastest and most reliable connection on the market

Our exclusive ADO System® combines speed on connection with top reliability of connection. Our product family offers:

- Compatibility with 2, 3 and 4 wire sensors
- Compatibility: with NPN and PNP sensors thanks to bidirectional LED indicators
- Color coded 66 poles plug-in jumpers adapted to all PLC I/O cards configurations (8,16, 32 & 64 channels).

### Universal thermocouple terminal block

This terminal block allows connection of all types of temperature thermocouple sensors. Its exclusive design allows thermocouple wire extension with no loss of signal integrity. Learn more in the related page of our catalog.



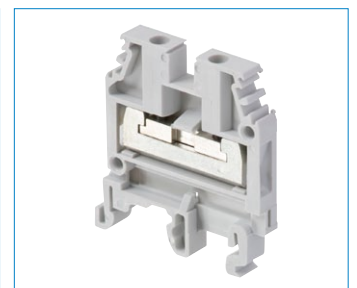
Screw clamp terminal block



Spring terminal block



ADO System® terminal block



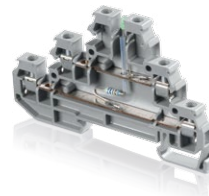
Thermocouple terminal block



# Solution series, terminal blocks

## Sensors / Actuators

### Screw clamp technology

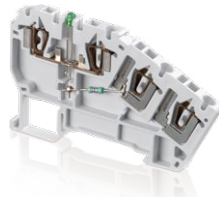


3 wire sensor

Thermocouple

| Section             |        |                                  |                                   |                                    |                              |
|---------------------|--------|----------------------------------|-----------------------------------|------------------------------------|------------------------------|
| IEC                 | UL/CSA |                                  |                                   |                                    |                              |
| 2.5 mm <sup>2</sup> | 12 AWG | <b>D2.5/6.D</b><br>6 mm 0.236 in | <b>D2.5/6.DL</b><br>6 mm 0.236 in | <b>D2.5/6.DAL</b><br>6 mm 0.236 in | <b>MTC6</b><br>6 mm 0.236 in |

### Spring clamp technology

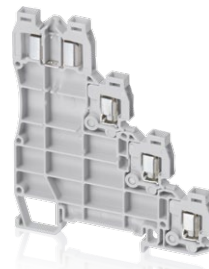


3 wire sensor

4 wire sensor

| Section             |        |                                     |                                       |                                     |                                       |
|---------------------|--------|-------------------------------------|---------------------------------------|-------------------------------------|---------------------------------------|
| IEC                 | UL/CSA |                                     |                                       |                                     |                                       |
| 1.5 mm <sup>2</sup> | 16 AWG | <b>D2.5/5.C3.L</b><br>5 mm 0.197 in | <b>D2.5/5.C3.L.L</b><br>5 mm 0.197 in | <b>D2.5/5.C4.L</b><br>5 mm 0.197 in | <b>D2.5/5.C4.L.L</b><br>5 mm 0.197 in |

### ADO-ADO technology



3 wire sensor

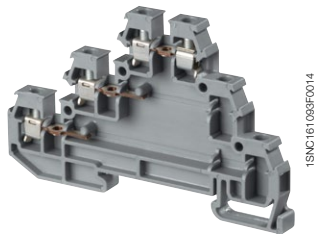
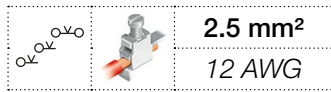
4 wire sensor

| Section           |        |                                     |                                       |                                     |                                       |
|-------------------|--------|-------------------------------------|---------------------------------------|-------------------------------------|---------------------------------------|
| IEC               | UL/CSA |                                     |                                       |                                     |                                       |
| 1 mm <sup>2</sup> | 20 AWG | <b>D1/5.C3.ADO</b><br>5 mm 0.197 in | <b>D1/5.C3.ADO.L</b><br>5 mm 0.197 in | <b>D1/5.C4.ADO</b><br>5 mm 0.197 in | <b>D1/5.C4.ADO.L</b><br>5 mm 0.197 in |

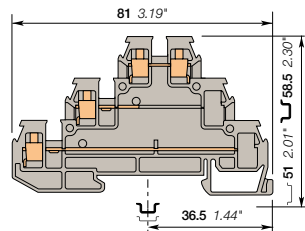
All the technical data for UL/CSA standard and dimensions in inches are in italic.

# D2.5/6.D screw clamp terminal blocks

## Sensors / Actuators - 6 mm 0.236 in spacing



D2.5/6.D



### Description

Save space with triple deck terminal blocks: adapted for 3 wires sensor/actuator in just 6 mm 0.236 in spacing.

### Ordering details

| Description | Color                         | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|-------------------------------|----------|-----------------|---------|------------------|
| Sensor      | Grey <input type="checkbox"/> | D2.5/6.D | 1SNA115542R1200 | 25      | 10.00            |

### Main technical data

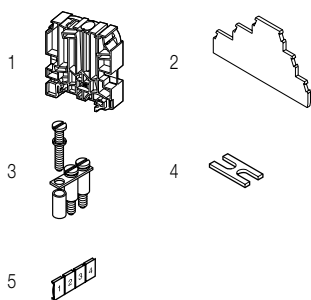
|   |                                 | IEC                        | UL            | CSA           | Mounting instructions |  |
|---|---------------------------------|----------------------------|---------------|---------------|-----------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-2.5 mm <sup>2</sup>    | 20-12 AWG     | 22-14 AWG     | Rail                  | G32, TH 35-7.5, TH 35-15                   |
|   | Flexible with insulated ferrule | 0.22-2.5 mm <sup>2</sup>   |               |               | Wire stripping length | 6 mm 0.24 in                               |
|   | Gauge                           | A2                         |               |               | Tool                  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| Rated current / Rated cross section     |                                 | 22 A / 2.5 mm <sup>2</sup> | 26 A / 12 AWG | 20 A / 14 AWG | Torque                | 0.4 - 0.6 Nm<br>3.5 - 5.3 lb.in            |
| Rated short-time withstand current (1s) |                                 | 300 A                      |               |               |                       |  |
| Rated voltage                           |                                 | 380 V                      | 300 V         | 300 V         |                       |  |
| Impulse withstand voltage               |                                 |                            |               |               |                       |  |
| Protection                              |                                 | IP20                       | NEMA 1        |               |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |     |     |        |  |  |  |  |  |
|----|------|-----|-----|--------|--|--|--|--|--|
|    |      |     |     |        |  |  |  |  |  |
| CE | RoHS | ULR | CSA | Gost R |  |  |  |  |  |

9

6 mm 0.236 in spacing



### Accessories

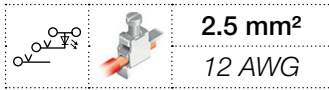
| Description   | Color                          | Type  | Order code      | Pkg pce | Weight (1 pce) g |
|---|--------------------------------|-------|-----------------|---------|------------------|
| 1 End stops 12 mm 0.472 in  | Grey <input type="checkbox"/>  | BADH  | 1SNA116900R2700 | 50      | 24.00            |
| 2 End sections 3 mm 0.118 in  | Grey <input type="checkbox"/>  | FED3E | 1SNA116771R2000 | 20      | 3.80             |
| 3 Jumper bars 2 poles 22 A  |                                | BJD6  | 1SNA178024R2500 | 10      | 1.00             |
| 3 poles   |                                |       | 1SNA178025R2600 | 10      | 2.00             |
| 4 poles   |                                |       | 1SNA178026R2700 | 10      | 2.00             |
| 5 poles   |                                |       | 1SNA178027R2000 | 10      | 3.00             |
| 10 poles  |                                |       | 1SNA178032R2500 | 10      | 6.00             |
| 20 poles  |                                |       | 1SNA178033R2600 | 5       | 12.00            |
| 4 Cross spacing jumpers 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in |                                | EL61  | 1SNA177812R1700 | 10      | 0.10             |
| 5 Terminal block markers Blank card                                   | White <input type="checkbox"/> | RC65  | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

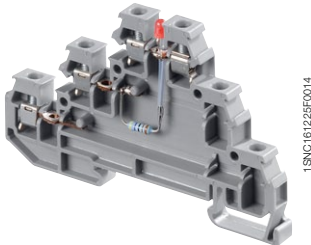
All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

# D2.5/6.D screw clamp terminal blocks

## Sensors / Actuators - 6 mm 0.236 in spacing

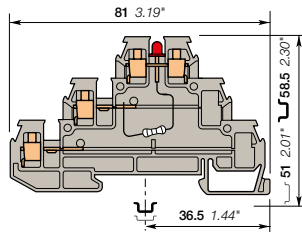


2.5 mm<sup>2</sup>  
12 AWG



1SNC161225F0014

D2.5/6.D



6 mm 0.236 in spacing

### Description

- Save space with triple deck terminal blocks: adapted for 3 wires sensor/actuator in just 6 mm 0.236 in spacing,
- Quickly identify the signal circuit status thanks to the indicator.

### Ordering details

| Description | Color                         | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|-------------------------------|-----------|-----------------|---------|------------------|
| Sensor      | Grey <input type="checkbox"/> | D2.5/6.DL | 1SNA115537R0500 | 25      | 10.00            |

### Main technical data

|  | IEC   | UL  | CSA                    |
|--|---|---|------------------------|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.2-2.5 mm <sup>2</sup><br>0.22-2.5 mm <sup>2</sup><br>A2 | 20-12 AWG<br>22-14 AWG |
| <b>Rated current / Rated cross section</b>     | 22 A / 2.5 mm <sup>2</sup>  | 26 A / 12 AWG   | 20 A / 14 AWG          |
| <b>Rated short-time withstand current (1s)</b> | 300 A   |   |                        |
| <b>Rated voltage</b>                           | 380 V   | 300 V   | 300 V                  |
| <b>Impulse withstand voltage</b>               |   |   |                        |
| <b>Protection</b>                              | IP20  | NEMA 1  |                        |

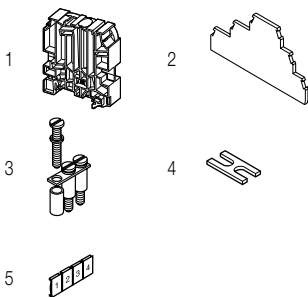
### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | G32, TH 35-7.5, TH 35-15                   |
| Wire stripping length |  | 6 mm<br>0.24 in                            |
| Tool                  |  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| Torque                |  | 0.4 - 0.6 Nm<br>3.5 - 5.3 lb.in            |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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### Accessories



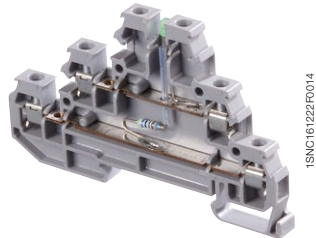
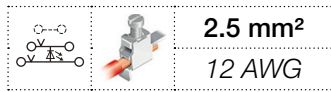
| Description  | Color                          | Type  | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------------------------|-------|-----------------|---------|------------------|
| 1 <b>End stops</b> 12 mm 0.472 in  | Grey <input type="checkbox"/>  | BADH  | 1SNA116900R2700 | 50      | 24.00            |
| 2 <b>End sections</b> 3 mm 0.118 in  | Grey <input type="checkbox"/>  | FED3E | 1SNA116771R2000 | 20      | 3.80             |
| 3 <b>Jumper bars</b> 2 poles 22 A  |                                | BJD6  | 1SNA178024R2500 | 10      | 1.00             |
| 3 poles  |                                |       | 1SNA178025R2600 | 10      | 2.00             |
| 4 poles  |                                |       | 1SNA178026R2700 | 10      | 2.00             |
| 5 poles  |                                |       | 1SNA178027R2000 | 10      | 3.00             |
| 10 poles   |                                |       | 1SNA178032R2500 | 10      | 6.00             |
| 20 poles   |                                |       | 1SNA178033R2600 | 5       | 12.00            |
| 4 <b>Cross spacing jumpers</b> 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in |                                | EL61  | 1SNA177812R1700 | 10      | 0.10             |
| 5 <b>Terminal block markers</b> Blank card                                   | White <input type="checkbox"/> | RC65  | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

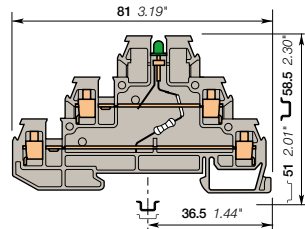
All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

# D2.5/6.DAL screw clamp terminal blocks

## Sensors / Actuators - 6 mm 0.236 in spacing



D2.5/6.DAL



### Description

- Save space with triple deck terminal blocks: 2 independent circuits connected in just 6 mm 0.236 in spacing,
- Adapted for 3 wires sensor/actuator,
- Quickly identify the signal circuit status thanks to the indicator.

### Ordering details

| Description   | Color                         | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|-------------|-----------------|---------|------------------|
| Sensor Power block with green LED 24 V DC for 3 wires sensor and a jumper bar | Grey <input type="checkbox"/> | D2.5/6.DAL2 | 1SNA115547R1700 | 25      | 12.00            |

### Main technical data

|  | IEC   | UL  | CSA                    |
|--|---|---|------------------------|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.2-2.5 mm <sup>2</sup><br>0.22-2.5 mm <sup>2</sup><br>A2 | 20-12 AWG<br>22-14 AWG |
| <b>Rated current / Rated cross section</b>     | 22 A / 2.5 mm <sup>2</sup>  | 26 A / 12 AWG   | 20 A / 14 AWG          |
| <b>Rated short-time withstand current (1s)</b> | 300 A   |   |                        |
| <b>Rated voltage</b>                           | 380 V   | 300 V   | 300 V                  |
| <b>Impulse withstand voltage</b>               |   |   |                        |
| <b>Protection</b>                              | IP20  | NEMA 1  |                        |

### Mounting instructions

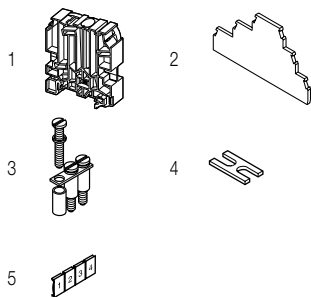
|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | G32, TH 35-7.5, TH 35-15                   |
| Wire stripping length |  | 6 mm 0.24 in                               |
| Tool                  |  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| Torque                |  | 0.4 - 0.6 Nm<br>3.5 - 5.3 lb.in            |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|  |  |  |  |  |
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9

6 mm 0.236 in spacing



### Accessories

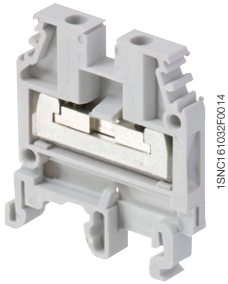
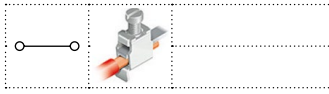
| Description   | Color                          | Type  | Order code      | Pkg pce | Weight (1 pce) g |
|---|--------------------------------|-------|-----------------|---------|------------------|
| 1 End stops 12 mm 0.472 in  | Grey <input type="checkbox"/>  | BADH  | 1SNA116900R2700 | 50      | 24.00            |
| 2 End sections 3 mm 0.118 in  | Grey <input type="checkbox"/>  | FED3E | 1SNA116771R2000 | 20      | 3.80             |
| 3 Jumper bars 2 poles 22 A  |                                | BJD6  | 1SNA178024R2500 | 10      | 1.00             |
| 3 poles   |                                |       | 1SNA178025R2600 | 10      | 2.00             |
| 4 poles   |                                |       | 1SNA178026R2700 | 10      | 2.00             |
| 5 poles   |                                |       | 1SNA178027R2000 | 10      | 3.00             |
| 10 poles  |                                |       | 1SNA178032R2500 | 10      | 6.00             |
| 20 poles  |                                |       | 1SNA178033R2600 | 5       | 12.00            |
| 4 Cross spacing jumpers 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in |                                | EL61  | 1SNA177812R1700 | 10      | 0.10             |
| 5 Terminal block markers Blank card                                   | White <input type="checkbox"/> | RC65  | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

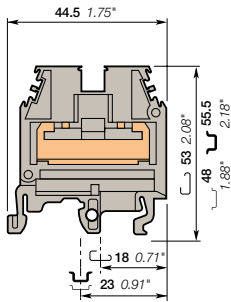
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# MTC6 thermocouple terminal blocks

## Screw clamp - 6 mm 0.236 in spacing



MTC6



6 mm 0.236 in spacing

### Description

- Universal terminal block adapted to all type of thermocouples,
- Allow thermocouple wire extension with no loss of signal integrity,
- Compatible with solid type thermocouple wires,
- Reduced inventory: only one part number needed for all configurations.

### Ordering details

| Description  | Color | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|-------|---------|-----------------|---------|------------------|
| Feed-through | Grey  | MTC6    | 1SNA115206R2200 | 50      | 20               |
|              |       | MTC6.Ex | 1SNA146227R2500 | 50      | 20               |

### Main technical data

|                              | NFC  | DIN |  |  |
|------------------------------|--|-----|--|--|
| Wire size                    | 2 rigid thermocouple conductors<br>0.9 to 1.5        |     |  |  |
| Rated voltage                | 500 V  |     |  |  |
| Rated voltage Ex e (MTC6.Ex) | 550 V IEC/EN 60079-7 - IM2/M1 II 2 GD/1 GD Ex e I/II |     |  |  |

### Mounting instructions

|                       |  |                                  |
|-----------------------|--|----------------------------------|
| Rail                  |  | G32, TH 35-7.5, TH 35-15         |
| Wire stripping length |  | 31 mm<br>1.22 in                 |
| Torque                |  | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Notes

#### Universal terminal block

Other thermocouple terminal blocks are available with hardware (screws, clamps and connecting bar) which match the thermocouple material being used. This requires inventory of many different terminal block types.

MTC6 terminal block adapts to all thermocouple material. This "neutral" method of connection limits the introduction of foreign materials to an insignificant level. The thermocouple wire insulation is stripped (31 mm maximum) and the bar wires are superimposed on each another. The thermocouple wires are in contact over their complete 31 mm length and tightened at two points by round tip screws (see figure 2). The screws, made of plated brass, have only a mechanical function, that of holding the wires together with a point contact. Thus, the pressure points are not relevant in the connection environment. One thermocouple lead connects through one terminal block (see figure 2). The MTC6 requires only 6 mm of space, allowing 50 terminals per foot of rail.

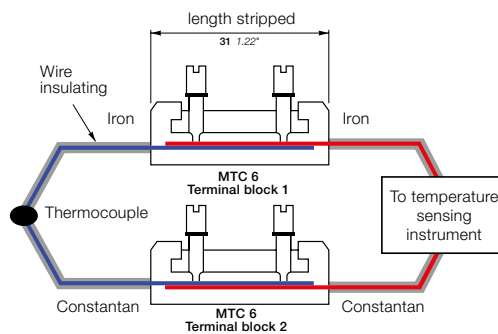


Figure 1: MTC6 with shield connector

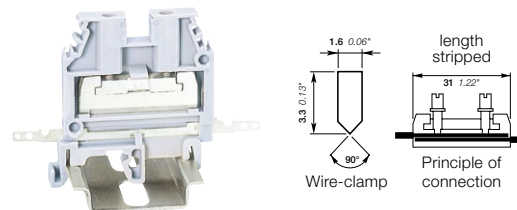


Figure 2

#### Thermocouple shield wire connector bar

The MTC6 can be field or factory equipped with a shield connector bar (see figure 1). This bar, made of treated brass, fits in the lower part of the terminal block. It ensures the continuity of the thermocouple wire shield through the terminal block or to the ground with no additional spacing.

### Accessories

| Description                    | Color | Type | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------|-------|------|-----------------|---------|------------------|
| 1 End sections 2.8 mm 0.110 in | Grey  | FEM6 | 1SNA118368R1600 | 20      | 2.40             |
| 2 Shield connectors            |       | CBM5 | 1SNA178745R1400 | 50      |                  |

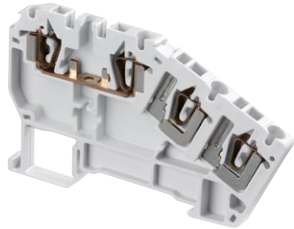
Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

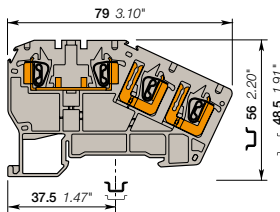
All the technical data for UL/CSA standard and dimensions in inches are in italic.  
Technical data valid for copper conductors only.

# D2.5/5.C3.L spring terminal blocks

## Sensors / Actuators - 5 mm 0.197 in spacing



D2.5/5.C3.L



1SNC162109F0014

### Description

- Save spacing with 3 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

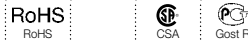
### Ordering details

| Description    | Color                         | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|----------------|-------------------------------|-------------|-----------------|---------|------------------|
| Sensor 3 wires | Grey <input type="checkbox"/> | D2.5/5.C3.L | 1SNA290350R2100 | 50      | 11.00            |

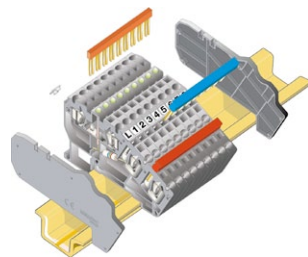
### Main technical data

|   | IEC                                 | UL                       | CSA           | Mounting instructions |                                      |
|---|-------------------------------------|--------------------------|---------------|-----------------------|--------------------------------------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded            | 0.14-1.5 mm <sup>2</sup> | 24-16 AWG     | Rail                  | TH 35-7.5, TH 35-15                  |
|   | Flexible with non insulated ferrule | 0.14-1.5 mm <sup>2</sup> |               | Wire stripping length | 9.5 mm 0.37 in                       |
|   | with insulated ferrule Gauge        | 0.5-1 mm <sup>2</sup> A1 |               | Tool                  | Flat screwdriver Ø 3.5 mm Ø 0.138 in |
| Rated current / Rated cross section     | 17.5 A / 1.5 mm <sup>2</sup>        |                          | 10 A / 16 AWG |                       |                                      |
| Rated short-time withstand current (1s) | 180 A                               |                          |               |                       |                                      |
| Rated voltage                           | 300 V                               |                          | 300 V         |                       |                                      |
| Impulse withstand voltage               | 4000 V                              |                          |               |                       |                                      |
| Protection                              | IP20                                | NEMA 1                   |               |                       |                                      |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



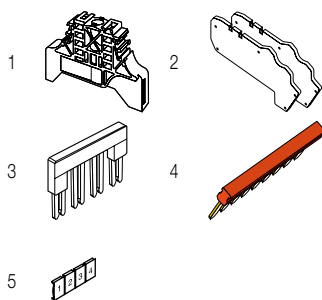
### Notes



To obtain finger safety (IP20) of a terminal block assembly with comb type jumper bar, it is necessary to put one end section on each side of the terminal block assembly.

9

5 mm 0.197 in spacing



### Accessories

| Description                         | Color                                 | Type     | Order code      | Pkg pce         | Weight (1 pce) g |
|-------------------------------------|---------------------------------------|----------|-----------------|-----------------|------------------|
| 1 End stops                         | Grey <input type="checkbox"/>         | 9 mm     | BADL            | 1SNA399903R0200 | 50 4.70          |
|                                     |                                       | 10 mm    | BAM2            | 1SNA206351R1600 | 50 12.00         |
| 2 End section kits                  | Grey <input type="checkbox"/>         | 5 mm     | FED5.C3.L       | 1SNA290358R2500 | 20 10.00         |
| 3 Jumper bars                       | Orange <input type="checkbox"/>       | 2 poles  | BJDL5-2         | 1SNA291102R2300 | 50 1.00          |
|                                     |                                       | 3 poles  | BJDL5-3         | 1SNA291103R2400 | 50 0.70          |
|                                     |                                       | 4 poles  | BJDL5-4         | 1SNA291104R2500 | 50 0.80          |
|                                     |                                       | 5 poles  | BJDL5-5         | 1SNA291105R2600 | 20 0.90          |
|                                     |                                       | 10 poles | BJDL5-10        | 1SNA291110R2600 | 20 1.20          |
| 4 Lateral jumper bars 34 poles      | Blue <input type="checkbox"/>         | PC5.34   | 1SNA290365R1400 | 10 18.00        |                  |
|                                     | Red <input type="checkbox"/>          |          | 1SNA290366R1500 | 10 18.00        |                  |
|                                     | Green-yellow <input type="checkbox"/> |          | 1SNA290367R1600 | 10 18.00        |                  |
| 5 Terminal block markers Blank card | White <input type="checkbox"/>        | RC55     | 1SNA230000R1200 | 1 2.90          |                  |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

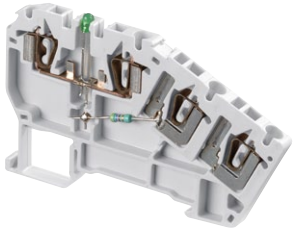
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D2.5/5.C3.L spring terminal blocks

## Sensors / Actuators - 5 mm 0.197 in spacing

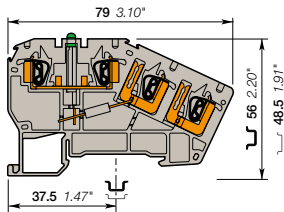


1.5 mm<sup>2</sup>  
16 AWG



1SNC162028502014

D2.5/5.C3.L



5 mm 0.197 in spacing

### Description

- Save spacing with 3 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation,
- Quickly identify the circuit status thanks to the indicator.

### Ordering details

| Description | Color                         | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|-------------------------------|---------------|-----------------|---------|------------------|
| Sensor      | Grey <input type="checkbox"/> | D2.5/5.C3.L.L | 1SNA290352R1700 | 50      | 11.00            |

### Main technical data

|   |                            | IEC                          | UL | CSA           |
|---|----------------------------|------------------------------|----|---------------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded   | 0.14-1.5 mm <sup>2</sup>     |    | 24-16 AWG     |
|   | Flexible                   | 0.14-1.5 mm <sup>2</sup>     |    |               |
|   | with non insulated ferrule |                              |    |               |
|   | with insulated ferrule     | 0.5-1 mm <sup>2</sup>        |    |               |
|   | Gauge                      | A1                           |    |               |
| Rated current / Rated cross section     |                            | 17.5 A / 1.5 mm <sup>2</sup> |    | 10 A / 16 AWG |
| Rated short-time withstand current (1s) |                            | 180 A                        |    |               |
| Rated voltage                           |                            | 300 V                        |    | 300 V         |
| Impulse withstand voltage               |                            | 4000 V                       |    |               |
| Protection                              |                            | IP20                         |    | NEMA 1        |

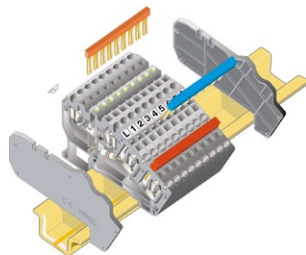
### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | TH 35-7.5,<br>TH 35-15                     |
| Wire stripping length |  | 9.5 mm<br>0.37 in                          |
| Tool                  |  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |

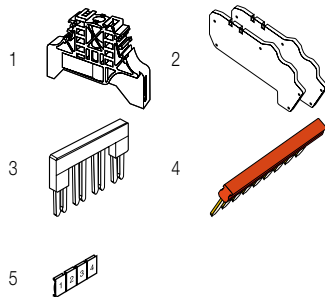
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |     |        |
|------|-----|--------|
|      |     |        |
| RoHS | CSA | Gost R |

### Notes



To obtain finger safety (IP20) of a terminal block assembly with comb type jumper bar, it is necessary to put one end section on each side of the terminal block assembly.



### Accessories

| Description              | Color                                 | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|---------------------------------------|------------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>         | BADL       | 1SNA399903R0200 | 50      | 4.70             |
|                          |                                       | BAM2       | 1SNA206351R1600 | 50      | 12.00            |
|                          |                                       | FED5.C3.L  | 1SNA290358R2500 | 20      | 10.00            |
| 2 End section kits       | Grey <input type="checkbox"/>         | 2 poles    | 24 A            |         |                  |
|                          |                                       | 3 poles    |                 |         |                  |
|                          |                                       | 4 poles    |                 |         |                  |
|                          |                                       | 5 poles    |                 |         |                  |
|                          |                                       | 10 poles   |                 |         |                  |
|                          |                                       | 34 poles   |                 |         |                  |
| 3 Jumper bars            | Orange <input type="checkbox"/>       | BJDL5-2    | 1SNA291102R2300 | 50      | 1.00             |
|                          |                                       | BJDL5-3    | 1SNA291103R2400 | 50      | 0.70             |
|                          |                                       | BJDL5-4    | 1SNA291104R2500 | 50      | 0.80             |
|                          |                                       | BJDL5-5    | 1SNA291105R2600 | 20      | 0.90             |
|                          |                                       | BJDL5-10   | 1SNA291110R2600 | 20      | 1.20             |
| 4 Lateral jumper bars    | Blue <input type="checkbox"/>         | PC5.34     | 1SNA290365R1400 | 10      | 18.00            |
|                          | Red <input type="checkbox"/>          |            | 1SNA290366R1500 | 10      | 18.00            |
|                          | Green-yellow <input type="checkbox"/> |            | 1SNA290367R1600 | 10      | 18.00            |
|                          | White <input type="checkbox"/>        | RC55       | 1SNA230000R1200 | 1       | 2.90             |
| 5 Terminal block markers |                                       | Blank card |                 |         |                  |

Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

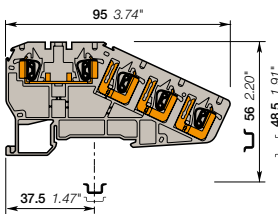
All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

# D2.5/5.C4.L spring terminal blocks

## Sensors / Actuators - 5 mm 0.197 in spacing



D2.5/5.C4.L



1SNC162029S02014

### Description

- Save spacing with 4 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

### Ordering details

| Description           | Color                         | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|-----------------------|-------------------------------|-------------|-----------------|---------|------------------|
| Sensor 4 wires sensor | Grey <input type="checkbox"/> | D2.5/5.C4.L | 1SNA290354R1100 | 50      | 13.00            |

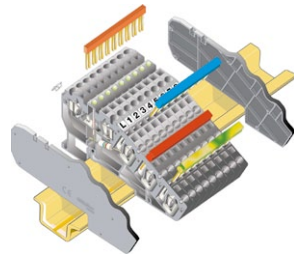
### Main technical data

|  | IEC   | UL  | CSA           | Mounting instructions |  |
|--|---|---|---------------|-----------------------|--|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible<br>with non insulated ferrule<br>with insulated ferrule<br>Gauge | 0.14-1.5 mm <sup>2</sup><br>0.14-1.5 mm <sup>2</sup><br>0.5-1 mm <sup>2</sup><br>A1 | 24-16 AWG     | Rail                  | TH 35-7.5,<br>TH 35-15                     |
| <b>Rated current / Rated cross section</b>     | 17.5 A / 1.5 mm <sup>2</sup>  |   | 10 A / 16 AWG | Wire stripping length | 9.5 mm<br>0.37 in                          |
| <b>Rated short-time withstand current (1s)</b> | 180 A   |   |               | Tool                  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |
| <b>Rated voltage</b>                           | 300 V   |   | 300 V         |                       |  |
| <b>Impulse withstand voltage</b>               | 4000 V  |   |               |                       |  |
| <b>Protection</b>                              | IP20  | NEMA 1  |               |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Notes



To obtain finger safety (IP20) of a terminal block assembly with comb type jumper bar, it is necessary to put one end section on each side of the terminal block assembly.

### Accessories

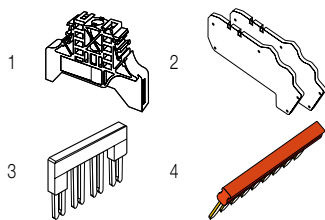
| Description                                | Color                                 | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|--|---------------------------------------|-----------|-----------------|---------|------------------|
| 1 <b>End stops</b>                         | Grey <input type="checkbox"/>         | BADL      | 1SNA399903R0200 | 50      | 4.70             |
|  |                                       | BAM2      | 1SNA206351R1600 | 50      | 12.00            |
| 2 <b>End section kits</b>                  | Grey <input type="checkbox"/>         | FED5.C4.L | 1SNA290360R2300 | 20      | 10.00            |
| 3 <b>Jumper bars</b>                       | Orange <input type="checkbox"/>       | BJDL5-2   | 1SNA291102R2300 | 50      | 1.00             |
|  |                                       | BJDL5-3   | 1SNA291103R2400 | 50      | 0.70             |
|  |                                       | BJDL5-4   | 1SNA291104R2500 | 50      | 0.80             |
|  |                                       | BJDL5-5   | 1SNA291105R2600 | 20      | 0.90             |
|  |                                       | BJDL5-10  | 1SNA291110R2600 | 20      | 1.20             |
| 4 <b>Lateral jumper bars</b> 34 poles      | Blue <input type="checkbox"/>         | PC5.34    | 1SNA290365R1400 | 10      | 18.00            |
|  | Red <input type="checkbox"/>          |           | 1SNA290366R1500 | 10      | 18.00            |
|  | Green-yellow <input type="checkbox"/> |           | 1SNA290367R1600 | 10      | 18.00            |
| 5 <b>Terminal block markers</b> Blank card | White <input type="checkbox"/>        | RC55      | 1SNA230000R1200 | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

5 mm 0.197 in spacing

9



All the technical data for UL/CSA standard and dimensions in inches are in italic.  
Technical data valid for copper conductors only.



# D2.5/5.C4.L spring terminal blocks

## Sensors / Actuators - 5 mm 0.197 in spacing

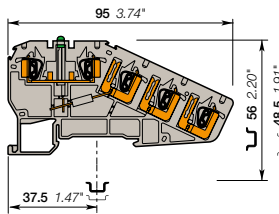


1.5 mm<sup>2</sup>  
16 AWG



1SNC162081F0014

D2.5/5.C4.L



5 mm 0.197 in spacing

### Description

- Save spacing with 4 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation,
- Quickly identify the circuit status thanks to the indicator.

### Ordering details

| Description | Color                         | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|-------------------------------|---------------|-----------------|---------|------------------|
| Sensor      | Grey <input type="checkbox"/> | D2.5/5.C4.L.L | 1SNA290356R1300 | 50      | 13.00            |

### Main technical data

|   |                            | IEC                          | UL | CSA           |
|---|----------------------------|------------------------------|----|---------------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded   | 0.14-1.5 mm <sup>2</sup>     |    | 24-16 AWG     |
|   | Flexible                   | 0.14-1.5 mm <sup>2</sup>     |    |               |
|   | with non insulated ferrule |                              |    |               |
|   | with insulated ferrule     | 0.5-1 mm <sup>2</sup>        |    |               |
|   | Gauge                      | A1                           |    |               |
| Rated current / Rated cross section     |                            | 17.5 A / 1.5 mm <sup>2</sup> |    | 10 A / 16 AWG |
| Rated short-time withstand current (1s) |                            | 180 A                        |    |               |
| Rated voltage                           |                            | 300 V                        |    | 300 V         |
| Impulse withstand voltage               |                            | 4000 V                       |    |               |
| Protection                              |                            | IP20                         |    | NEMA 1        |

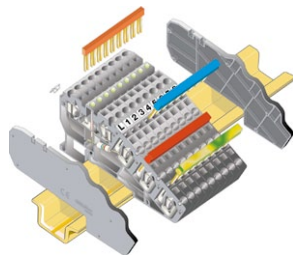
### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | TH 35-7.5,<br>TH 35-15                     |
| Wire stripping length |  | 9.5 mm<br>0.37 in                          |
| Tool                  |  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |

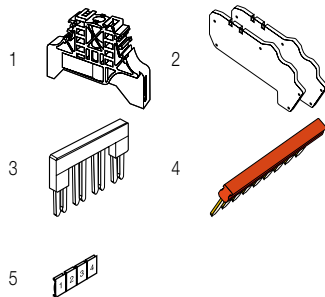
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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|--|--|--|--|--|--|--|--|--|--|

### Notes



To obtain finger safety (IP20) of a terminal block assembly with comb type jumper bar, it is necessary to put one end section on each side of the terminal block assembly.



### Accessories

| Description                           | Color                           | Type                           | Order code                    | Pkg pce | Weight (1 pce) g |
|---------------------------------------|---------------------------------|--------------------------------|-------------------------------|---------|------------------|
| 1 End stops                           | Grey <input type="checkbox"/>   | BADL                           | 1SNA399903R0200               | 50      | 4.70             |
|                                       |                                 | BAM2                           | 1SNA206351R1600               | 50      | 12.00            |
| 2 End section kits                    | Grey <input type="checkbox"/>   | FED5.C4.L                      | 1SNA290360R2300               | 20      | 10.00            |
| 3 Jumper bars                         | Orange <input type="checkbox"/> | 2 poles 24 A                   | 1SNA291102R2300               | 50      | 1.00             |
|                                       |                                 | 3 poles                        | 1SNA291103R2400               | 50      | 0.70             |
|                                       |                                 | 4 poles                        | 1SNA291104R2500               | 50      | 0.80             |
|                                       |                                 | 5 poles                        | 1SNA291105R2600               | 20      | 0.90             |
|                                       |                                 | 10 poles                       | 1SNA291110R2600               | 20      | 1.20             |
|                                       |                                 | 4 Lateral jumper bars 34 poles | Blue <input type="checkbox"/> | PC5.34  | 1SNA290365R1400  |
| Red <input type="checkbox"/>          |                                 |                                | 1SNA290366R1500               | 10      | 18.00            |
| Green-yellow <input type="checkbox"/> |                                 |                                | 1SNA290367R1600               | 10      | 18.00            |
| 5 Terminal block markers Blank card   | White <input type="checkbox"/>  | RC55                           | 1SNA230000R1200               | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

# D1/5.C3.ADO IDC terminal blocks

## Sensors / Actuators ADO-ADO - 5 mm 0.197 in spacing



### Description

- Save spacing with 3 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
- Up to 2 wires on the upper deck.

### Ordering details

| Description              | Color                         | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|-------------------------------|-------------|-----------------|---------|------------------|
| Sensor For 3 wire sensor | Grey <input type="checkbox"/> | D1/5.C3.ADO | 1SNA399689R1300 | 50      | 9.00             |

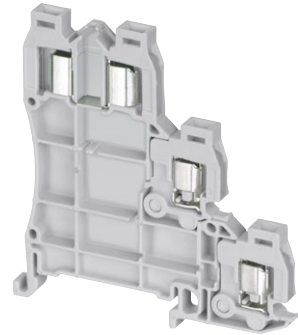
### Main technical data

|   |   | IEC                     | UL     | CSA           | Mounting instructions |                        |
|---|---|-------------------------|--------|---------------|-----------------------|------------------------|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible                                    | 0.2-1 mm²<br>0.22-1 mm² |        | 24-20 AWG     | Rail                  | TH 35-7.5,<br>TH 35-15 |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge |                         |        |               | Wire stripping length |                        |
| Rated current / Rated cross section     |   | 13.5 A / 1 mm²          |        | 12 A / 20 AWG | Tool                  |                        |
| Rated short-time withstand current (1s) |   | 120 A                   |        |               | Torque                |                        |
| Rated voltage                           |   | 250 V                   |        | 600 V         |                       |                        |
| Impulse withstand voltage               |   | 8000 V                  |        |               |                       |                        |
| Protection                              |   | IP20                    | NEMA 1 |               |                       |                        |

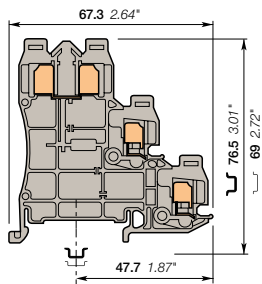
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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| RoHS <input type="checkbox"/> |  |  |  |
|-------------------------------|--|--|--|

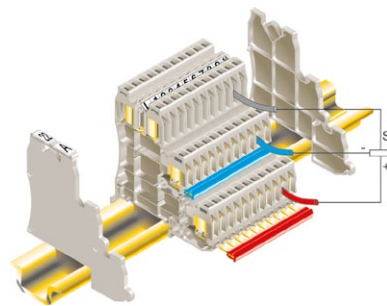
### Notes



D1/5.C3.ADO



5 mm 0.197 in spacing



### Accessories

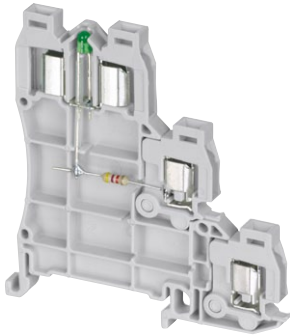
| Description                    | Color                                 | Type                | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------|---------------------------------------|---------------------|-----------------|---------|------------------|
| 1 End stops                    | Grey <input type="checkbox"/>         | BAM2                | 1SNA206351R1600 | 50      | 12.00            |
|                                |                                       | BADL                | 1SNA399903R0200 | 50      | 4.70             |
| 2 End section kits             | Grey <input type="checkbox"/>         | FED5.C3.ADO         | 1SNA399678R2700 | 20      | 10.00            |
| 3 Lateral jumper bars 10 poles | Red <input type="checkbox"/>          | PC52.10             | 1SNA399683R0500 | 10      | 5.00             |
|                                | Blue <input type="checkbox"/>         |                     | 1SNA399684R0600 | 10      | 5.00             |
|                                | Green-yellow <input type="checkbox"/> |                     | 1SNA399685R0700 | 10      | 5.00             |
|                                | Red <input type="checkbox"/>          | PC52.66             | 1SNA399707R1500 | 5       | 30.00            |
|                                | Blue <input type="checkbox"/>         |                     | 1SNA399708R2600 | 5       | 30.00            |
|                                | Green-yellow <input type="checkbox"/> |                     | 1SNA399709R2700 | 5       | 30.00            |
| 4 Tools                        |                                       | Semi automatic tool | OUPAD           | 1       | 205.00           |
|                                |                                       | Hand tool           | OUMAD           | 1       | 29.00            |
| 5 Terminal block markers       | White <input type="checkbox"/>        | Blank card          | RC510           | 1       | 5.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

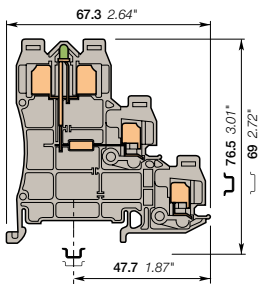
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D1/5.C3.ADO IDC terminal blocks

## Sensors / Actuators ADO-ADO - 5 mm 0.197 in spacing



D1/5.C3.ADO



5 mm 0.197 in spacing

### Description

- Save spacing with 3 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
- Up to 2 wires on the upper deck.

### Ordering details

| Description  | Color                         | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|---------------|-----------------|---------|------------------|
| Sensor For 3 wire sensor with green bidirectional LED 24 VDC | Grey <input type="checkbox"/> | D1/5.C3.ADO.L | 1SNA399690R1000 | 50      | 10.00            |

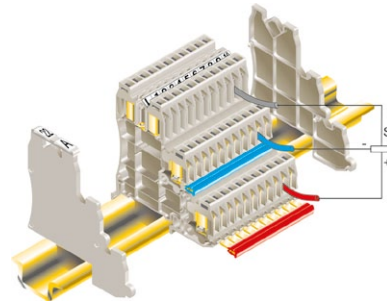
### Main technical data

|   | IEC  | UL                      | CSA           | Mounting instructions                              |
|---|--|-------------------------|---------------|--|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible                           | 0.2-1 mm²<br>0.22-1 mm² | 24-20 AWG     | Rail  TH 35-7.5, TH 35-15<br>Wire stripping length |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule |                         |               | Tool   |
| Rated current / Rated cross section     | 13.5 A / 1 mm²   |                         | 12 A / 20 AWG |  |
| Rated short-time withstand current (1s) | 120 A  |                         |               |  |
| Rated voltage                           | 250 V  |                         | 600 V         |  |
| Impulse withstand voltage               | 8000 V   |                         |               |  |
| Protection                              | IP20   | NEMA 1                  |               | Torque   |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Notes



### Accessories

| Description                         | Color                                 | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------------------|---------------------------------------|-------------|-----------------|---------|------------------|
| 1 End stops                         | Grey <input type="checkbox"/>         | BAM2        | 1SNA206351R1600 | 50      | 12.00            |
|                                     |                                       | BADL        | 1SNA399903R0200 | 50      | 4.70             |
| 2 End section kits                  | Grey <input type="checkbox"/>         | FED5.C3.ADO | 1SNA399678R2700 | 20      | 10.00            |
| 3 Lateral jumper bars 10 poles      | Red <input type="checkbox"/>          | PC52.10     | 1SNA399683R0500 | 10      | 5.00             |
|                                     | Blue <input type="checkbox"/>         |             | 1SNA399684R0600 | 10      | 5.00             |
|                                     | Green-yellow <input type="checkbox"/> |             | 1SNA399685R0700 | 10      | 5.00             |
|                                     | Red <input type="checkbox"/>          | PC52.66     | 1SNA399707R1500 | 5       | 30.00            |
|                                     | Blue <input type="checkbox"/>         |             | 1SNA399708R2600 | 5       | 30.00            |
|                                     | Green-yellow <input type="checkbox"/> |             | 1SNA399709R2700 | 5       | 30.00            |
| 4 Tools                             |                                       | OUPAD       | 1SNA178944R0400 | 1       | 205.00           |
|                                     |                                       | OUMAD       | 1SNA179466R0600 | 1       | 29.00            |
| 5 Terminal block markers Blank card | White <input type="checkbox"/>        | RC510       | 1SNA231000R0700 | 1       | 5.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D1/5.C4.ADO IDC terminal blocks

## Sensors / Actuators ADO-ADO - 5 mm 0.197 in spacing



### Description

- Save spacing with 4 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
- Up to 2 wires on the upper deck.

### Ordering details

| Description              | Color                         | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|-------------------------------|-------------|-----------------|---------|------------------|
| Sensor For 4 wire sensor | Grey <input type="checkbox"/> | D1/5.C4.ADO | 1SNA399692R0600 | 50      | 9                |

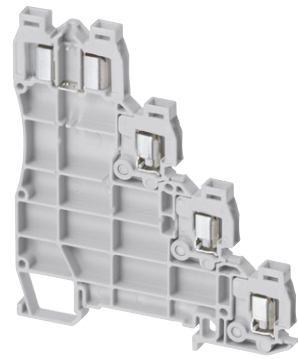
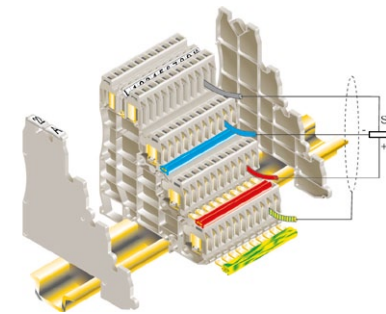
### Main technical data

|   |                                 | IEC            | UL     | CSA           | Mounting instructions |                     |
|---|---------------------------------|----------------|--------|---------------|-----------------------|---------------------|
| ADO                                     | Rigid - Solid / Stranded        | 0.2-1 mm²      |        | 24-20 AWG     | Rail                  | TH 35-7.5, TH 35-15 |
|   | Flexible                        | 0.22-1 mm²     |        |               | Wire stripping length |                     |
| Screw clamp                             | Rigid - Solid / Stranded        |                |        |               | Tool                  |                     |
|   | Flexible with insulated ferrule |                |        |               |                       |                     |
|   | Gauge                           |                |        |               |                       |                     |
| Rated current / Rated cross section     |                                 | 13.5 A / 1 mm² |        | 12 A / 20 AWG | Torque                |                     |
| Rated short-time withstand current (1s) |                                 | 120 A          |        |               |                       |                     |
| Rated voltage                           |                                 | 250 V          |        | 600 V         |                       |                     |
| Impulse withstand voltage               |                                 | 8000 V         |        |               |                       |                     |
| Protection                              |                                 | IP20           | NEMA 1 |               |                       |                     |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

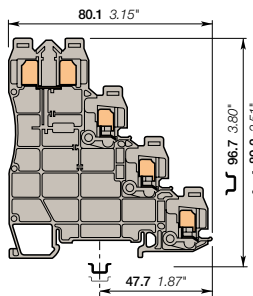
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| RoHS <input type="checkbox"/> |  |  |  |  |
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### Notes



D1/5.C4.ADO

1SNC163137F0014



5 mm 0.197 in spacing

### Accessories

| Description                         | Color                                 | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------------------|---------------------------------------|-------------|-----------------|---------|------------------|
| 1 End stops 12 mm 0.472 in          | Grey <input type="checkbox"/>         | BADH        | 1SNA116900R2700 | 50      | 24.00            |
| 2 End section kits                  | Grey <input type="checkbox"/>         | FED5.C4.ADO | 1SNA399679R2000 | 10      | 10.00            |
| 3 Lateral jumper bars 10 poles      | Red <input type="checkbox"/>          | PC52.10     | 1SNA399683R0500 | 10      | 5.00             |
|                                     | Blue <input type="checkbox"/>         |             | 1SNA399684R0600 | 10      | 5.00             |
|                                     | Green-yellow <input type="checkbox"/> |             | 1SNA399685R0700 | 10      | 5.00             |
|                                     | Red <input type="checkbox"/>          | PC52.66     | 1SNA399707R1500 | 5       | 30.00            |
|                                     | Blue <input type="checkbox"/>         |             | 1SNA399708R2600 | 5       | 30.00            |
| 4 Tools Semi automatic tool         | Green-yellow <input type="checkbox"/> |             | 1SNA399709R2700 | 5       | 30.00            |
|                                     |                                       | OUPAD       | 1SNA178944R0400 | 1       | 205.00           |
|                                     |                                       | OUMAD       | 1SNA179466R0600 | 1       | 29.00            |
| 5 Terminal block markers Blank card | White <input type="checkbox"/>        | RC510       | 1SNA231000R0700 | 1       | 5.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D1/5.C4.ADO IDC terminal blocks

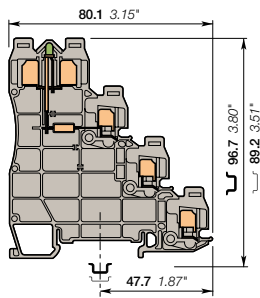
## Sensors / Actuators ADO-ADO - 5 mm 0.197 in spacing



1 mm<sup>2</sup>



D1/5.C4.ADO



5 mm 0.197 in spacing

### Description

- Save spacing with 4 decks terminal block, adapted for sensor/actuator in just 5 mm 0.197 in spacing,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constrains (vibrations, shocks, corrosion etc.),
- Up to 2 wires on the upper deck.

### Ordering details

| Description | Color                         | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|-------------|-------------------------------|---------------|-----------------|---------|------------------|
| Sensor      | Grey <input type="checkbox"/> | D1/5.C4.ADO.L | 1SNA399693R0700 | 50      |                  |

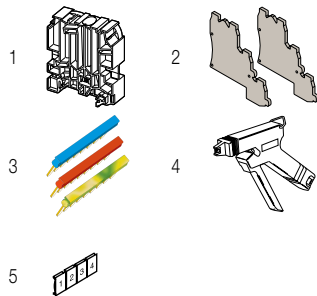
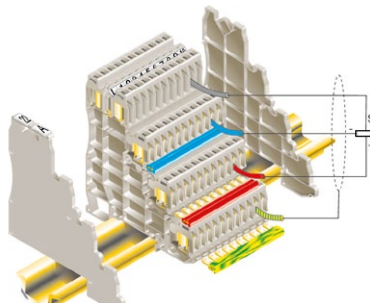
### Main technical data

|   | IEC   | UL  | CSA | Mounting instructions          |
|---|---|---|-----|--------------------------------|
| ADO                                     | Rigid - Solid / Stranded<br>Flexible                                    | 0.2-1 mm <sup>2</sup><br>0.22-1 mm <sup>2</sup> |     | Rail<br>TH 35-7.5,<br>TH 35-15 |
| Screw clamp                             | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge |   |     | Wire stripping length<br>Tool  |
| Rated current / Rated cross section     | 13.5 A / 1 mm <sup>2</sup>  |   |     | Torque                         |
| Rated short-time withstand current (1s) | 120 A   |   |     |                                |
| Rated voltage                           | 250 V   |   |     |                                |
| Impulse withstand voltage               | 8000 V  |   |     |                                |
| Protection                              | IP20  | NEMA 1  |     |                                |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Notes

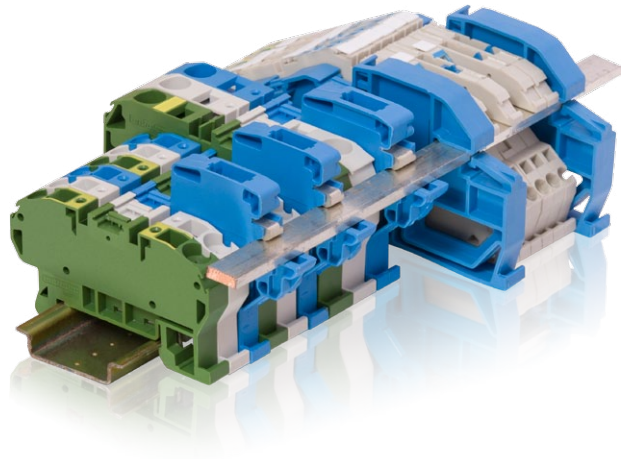
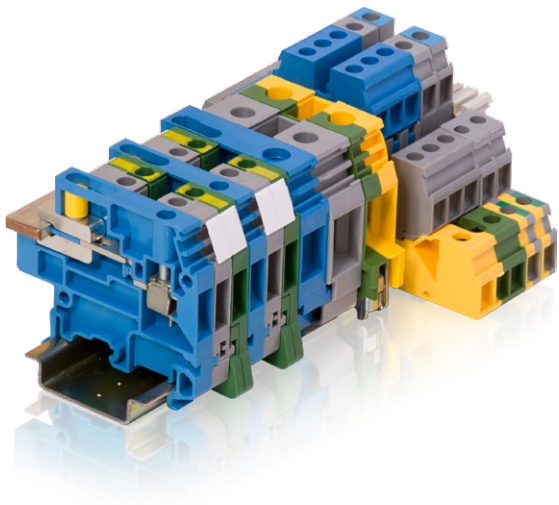


### Accessories

| Description                         | Color                                 | Type                | Order code      | Pkg pce         | Weight (1 pce) g |        |
|-------------------------------------|---------------------------------------|---------------------|-----------------|-----------------|------------------|--------|
| 1 End stops 12 mm 0.472 in          | Grey <input type="checkbox"/>         | BADH                | 1SNA116900R2700 | 50              | 24.00            |        |
| 2 End section kits                  | Grey <input type="checkbox"/>         | FED5.C4.ADO         | 1SNA399679R2000 | 10              | 10.00            |        |
| 3 Lateral jumper bars 10 poles      | Red <input type="checkbox"/>          | PC52.10             | 1SNA399683R0500 | 10              | 5.00             |        |
|                                     | Blue <input type="checkbox"/>         |                     | 1SNA399684R0600 | 10              | 5.00             |        |
|                                     | Green-yellow <input type="checkbox"/> |                     | 1SNA399685R0700 | 10              | 5.00             |        |
|                                     | Red <input type="checkbox"/>          | PC52.66             | 1SNA399707R1500 | 5               | 30.00            |        |
|                                     | Blue <input type="checkbox"/>         |                     | 1SNA399708R2600 | 5               | 30.00            |        |
| 4 Tools                             | Green-yellow <input type="checkbox"/> |                     | 1SNA399709R2700 | 5               | 30.00            |        |
|                                     |                                       | Semi automatic tool | OUPAD           | 1SNA178944R0400 | 1                | 205.00 |
|                                     |                                       | Hand tool           | OUMAD           | 1SNA179466R0600 | 1                | 29.00  |
| 5 Terminal block markers Blank card | White <input type="checkbox"/>        | RC510               | 1SNA231000R0700 | 1               | 5.20             |        |

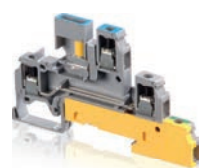
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.



# Solution series, terminal blocks

## Installation terminal blocks



|                           |     |
|---------------------------|-----|
| Technologies presentation | 198 |
| Overview                  | 200 |

### Screw clamp technology

#### Multi-level terminal blocks compatible with busbar

|                            |                         |  |     |
|----------------------------|-------------------------|--|-----|
| 4 mm <sup>2</sup> / 12 AWG | <b>D4/6.NTLP</b>        | Disconnect neutral + feed-through + ground | 203 |
|                            | <b>D4/6.NLP</b>         | Neutral + feed-through + ground            | 204 |
|                            | <b>D4/6.LLP</b>         | Feed-through + ground                      | 205 |
|                            | <b>D4/6.LL</b>          | Feed-through                               | 206 |
|                            | <b>D4/6.LNTP1 &amp;</b> |  |     |
|                            | <b>D4/6.LNTP3</b>       | Disconnect neutral + feed-through + ground | 207 |
|                            | <b>D4/6.LNTP2 &amp;</b> |  |     |
|                            | <b>D4/6.LNTP8</b>       | Neutral + feed-through + ground            | 209 |
|                            | <b>D4/6.LNTP4 &amp;</b> |  |     |
|                            | <b>D4/6.LNTP7</b>       | Feed-through + ground                      | 211 |
|                            | <b>D4/6.LNTP6</b>       | Feed-through                               | 213 |

#### Multi-level terminal blocks

|                            |                    |  |     |
|----------------------------|--------------------|--|-----|
| 4 mm <sup>2</sup> / 12 AWG | <b>D4/6.A.NTLP</b> | Disconnect neutral + feed-through + ground | 214 |
|                            | <b>D4/6.A.LLP</b>  | Feed-through + ground                      | 215 |

#### Compatible with busbar

|                     |                   |                    |     |
|---------------------|-------------------|--------------------|-----|
| 2.5 mm <sup>2</sup> | <b>MA2.5/5.NT</b> | Neutral disconnect | 216 |
| 4 mm <sup>2</sup>   | <b>M4/6.NT</b>    | Neutral disconnect | 217 |
| 6 mm <sup>2</sup>   | <b>M6/8.NT</b>    | Neutral disconnect | 218 |
| 10 mm <sup>2</sup>  | <b>M10/10.NT</b>  | Neutral disconnect | 219 |
| 16 mm <sup>2</sup>  | <b>M16/12.NT</b>  | Neutral disconnect | 220 |
| 35 mm <sup>2</sup>  | <b>M35/16.NT</b>  | Neutral disconnect | 221 |

### Spring clamp technology

#### Multi-level terminal blocks compatible with busbar

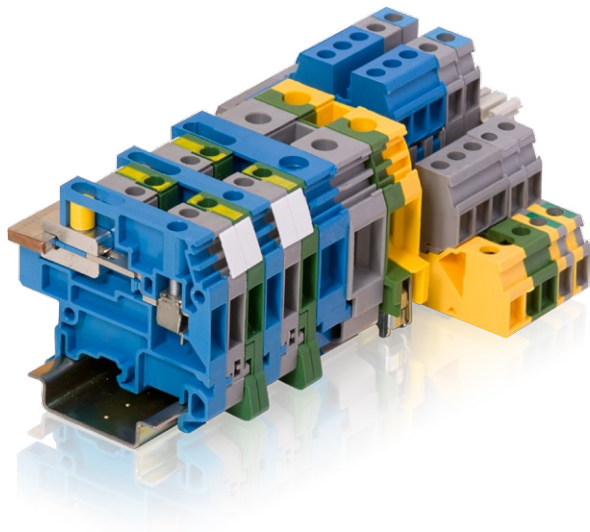
|                              |                      |  |     |
|------------------------------|----------------------|--|-----|
| 2.5 mm <sup>2</sup> / 12 AWG | <b>D2.5/5.NTLP.L</b> | Disconnect neutral + feed-through + ground | 222 |
|                              | <b>D2.5/5.NLP.L</b>  | Neutral + feed-through + ground            | 223 |
|                              | <b>D2.5/5.NL.L</b>   | Neutral + feed-through                     | 224 |
|                              | <b>D2.5/5.LLP.L</b>  | Feed-through + ground                      | 225 |
|                              | <b>D2.5/5.LL.L</b>   | Feed-through                               | 226 |

#### Compatible with busbar

|                    |                    |                    |     |
|--------------------|--------------------|--------------------|-----|
| 4 mm <sup>2</sup>  | <b>D4/6.NT.L</b>   | Neutral disconnect | 227 |
| 6 mm <sup>2</sup>  | <b>D6/8.NT.L</b>   | Neutral disconnect | 228 |
| 10 mm <sup>2</sup> | <b>D10/10.NT.L</b> | Neutral disconnect | 229 |

# Solution series, terminal blocks

## Installation terminal blocks



## The preferred choice for building industry

The installation terminal blocks are largely used in distribution cabinets of public buildings and meet wiring and connection requirements of installations designed in accordance with DIN VDE 0100 or DIN VDE 0108.

They allow:

- Compact signal distribution thanks to multi-level terminal locks
- Insulation test without disconnecting the neutral conductor thanks to neutral disconnect function on TNS or TNC-S networks.

## Select from our various choice of functions and technologies

### Installation terminal blocks

Our product family offer multi-circuit configuration to ease the distribution of single phase or 3 phase circuits.

Installation terminal blocks are proposed in screw clamp and spring clamp technologies.

Various configurations allow distribution of feed-through, neutral, neutral disconnect and ground circuits in a compact format.

Select from our single type terminal blocks or prefer multi-circuit compact and closed solution (screw clamp technology) combining up to 9 circuits on one single terminal block.

Neutral bar is aligned with standard single deck terminal blocks and ensures full compatibility with standard feed-through, neutral disconnect, or ground terminal blocks.

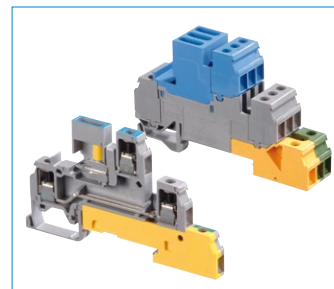
### Neutral disconnect terminal blocks

Neutral disconnect function is mandatory on TNS or TN-C-S networks used in public buildings and installation complying with VDE 0108.

Standard specifies:

"The distribution must be designed so that it is possible to measure the insulation resistance of all conductors to ground for each individual outgoing circuit with conductor cross sections up to 10 mm<sup>2</sup>. This measurement must be performed without disconnecting the neutral conductor. e.g. through the installation of neutral conductor disconnect terminal blocks."

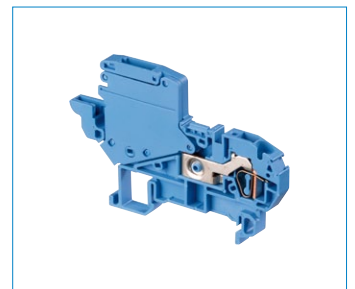
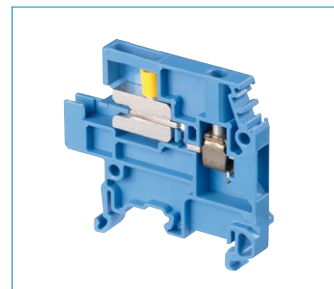
Our terminals allow simple connection or disconnection of neutral bar thanks to a sliding link and are available in 2 technologies screw clamp and spring clamp.



Multi-level screw clamp terminal blocks



Multi-level spring clamp terminal blocks



Neutral disconnect: screw clamp and spring clamp terminal blocks

1SNC161166S0201

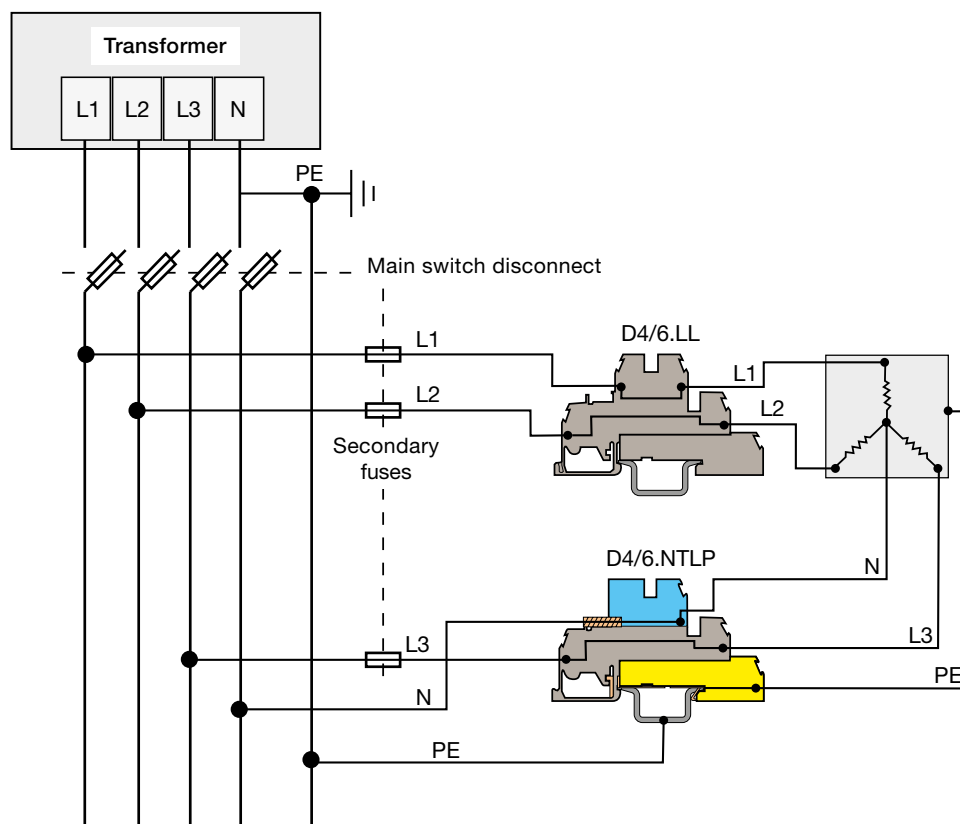


# Solution series, terminal blocks

## Installation terminal blocks

### 3 phase distribution example with installation screw clamp terminal blocks

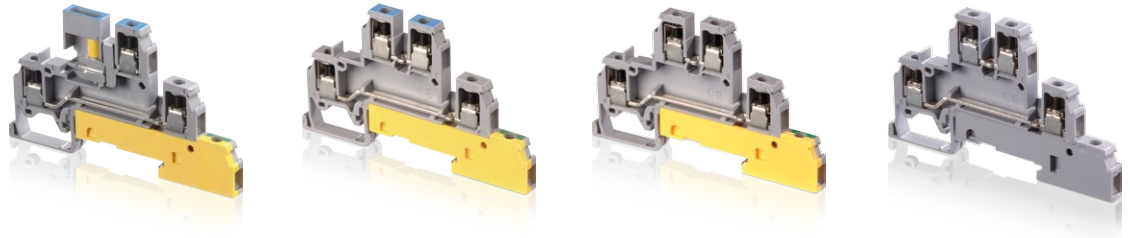
D4/6.NTLP allows single phase distribution and neutral disconnect  
D4/6.LL complement for 3 phase configuration



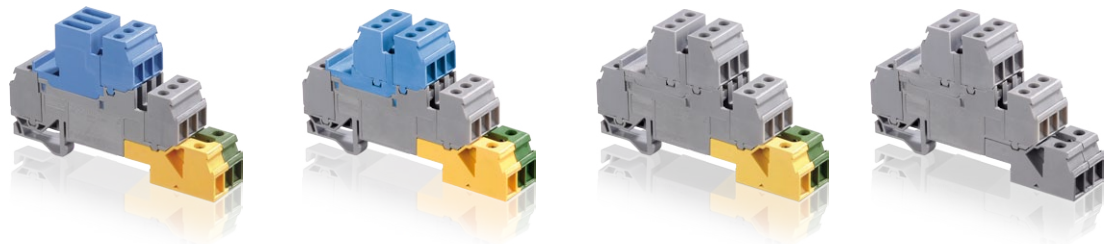
# Solution series, terminal blocks

## Installation terminal blocks

Screw clamp technology, multi-level terminal blocks compatible with busbar



| Section           |        | NTLP                    | NLP                    | LLP                    | LL                    |
|-------------------|--------|-------------------------|------------------------|------------------------|-----------------------|
| IEC               | UL/CSA |                         |                        |                        |                       |
| 4 mm <sup>2</sup> | 12 AWG | D4/6.NTLP 6 mm 0.236 in | D4/6.NLP 6 mm 0.236 in | D4/6.LLP 6 mm 0.236 in | D4/6.LL 6 mm 0.236 in |



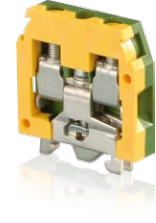
| Section           |        | NTLP          |            | NLP           |            | LLP           |            | LL            |
|-------------------|--------|---------------|------------|---------------|------------|---------------|------------|---------------|
| IEC               | UL/CSA |               |            |               |            |               |            |               |
| 4 mm <sup>2</sup> | 12 AWG | D4/6.LNTP1    | D4/6.LNTP3 | D4/6.LNTP2    | D4/6.LNTP8 | D4/6.LNTP4    | D4/6.LNTP7 | D4/6.LNTP6    |
|                   |        | 6 mm 0.236 in |            | 6 mm 0.236 in |            | 6 mm 0.236 in |            | 6 mm 0.236 in |

Screw clamp technology, multi-level terminal blocks



| Section           |        | NTLP                      | LLP                      |
|-------------------|--------|---------------------------|--------------------------|
| IEC               | UL/CSA |                           |                          |
| 4 mm <sup>2</sup> | 12 AWG | D4/6.A.NTLP 6 mm 0.236 in | D4/6.A.LLP 6 mm 0.236 in |

## Screw clamp technology, compatible with busbar



Neutral disconnect

Feed-through

Ground

Section



| IEC                | UL/CSA |            |                |           |                |
|--------------------|--------|------------|----------------|-----------|----------------|
| 2.5 mm             |        | MA2.5/5.NT | 5 mm 0.197 in  | MA2.5/5   | 5 mm 0.197 in  |
| 4 mm <sup>2</sup>  | 12 AWG | M4/6.NT    | 6 mm 0.236 in  | M4/6      | 6 mm 0.236 in  |
| 6 mm <sup>2</sup>  | 8 AWG  | M6/8.NT    | 8 mm 0.315 in  | M6/8      | 8 mm 0.315 in  |
| 10 mm <sup>2</sup> | 6 AWG  | M10/10.NT  | 10 mm 0.394 in | M10/10    | 10 mm 0.394 in |
| 16 mm <sup>2</sup> |        | M16/12.NT  | 12 mm 0.472 in | M16/12    | 12 mm 0.472 in |
| 35 mm <sup>2</sup> | 0 AWG  | M35/16.NT  | 17 mm 0.669 in | M35/16    | 16 mm 0.630 in |
|                    |        |            |                | MA2.5/5.P | 5 mm 0.197 in  |
|                    |        |            |                | M4/6.P    | 6 mm 0.236 in  |
|                    |        |            |                | M6/8.P    | 8 mm 0.315 in  |
|                    |        |            |                | M10/10.P  | 10 mm 0.394 in |
|                    |        |            |                | M16/12.P  | 12 mm 0.472 in |
|                    |        |            |                | M35/16.P  | 16 mm 0.630 in |

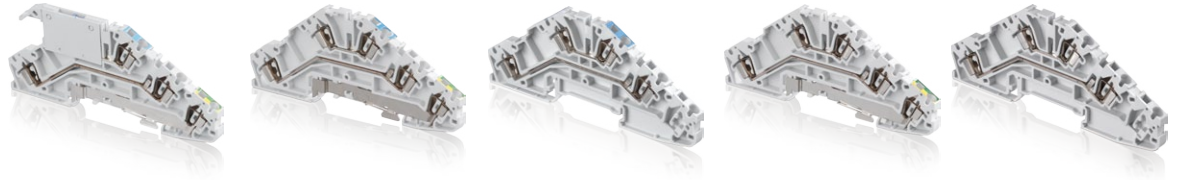
Main catalog  
SNA series, terminal blocks



# Solution series, terminal blocks

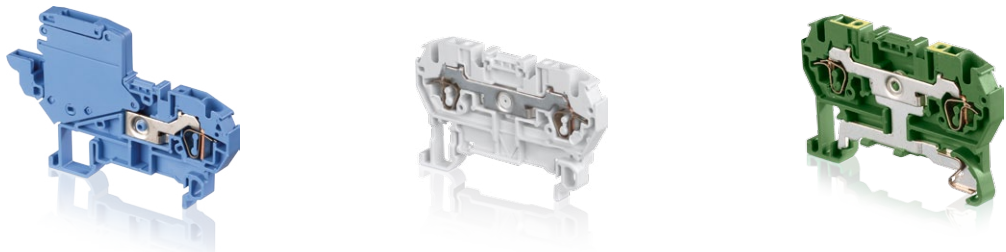
## Installation terminal blocks

Spring clamp technology, multi-level terminal blocks compatible with busbar



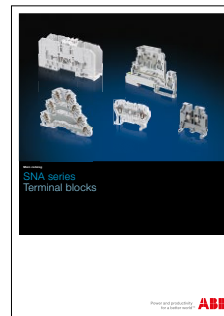
| Section             |        | N-TLP                         | NLP                          | NL                          | LLP                          | LL                          |
|---------------------|--------|-------------------------------|------------------------------|-----------------------------|------------------------------|-----------------------------|
| IEC                 | UL/CSA |                               |                              |                             |                              |                             |
| 2.5 mm <sup>2</sup> | 12 AWG | D2.5/5.NTLPL<br>5 mm 0.197 in | D2.5/5.NLPL<br>5 mm 0.197 in | D2.5/5.NLL<br>5 mm 0.197 in | D2.5/5.LLPL<br>5 mm 0.197 in | D2.5/5.LLL<br>5 mm 0.197 in |

Spring clamp technology, compatible with busbar



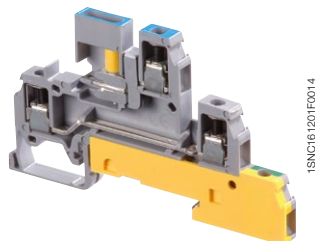
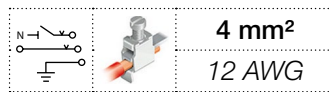
| Section            |        | Neutral disconnect        | Feed-through               | Ground                       |
|--------------------|--------|---------------------------|----------------------------|------------------------------|
| IEC                | UL/CSA |                           |                            |                              |
| 4 mm <sup>2</sup>  |        | D4/6.NTL 6 mm 0.236 in    | D4/6.2L 6 mm 0.236 in      | D4/6.P.2L 6 mm 0.236 in      |
| 6 mm <sup>2</sup>  |        | D6/8.NTL 8 mm 0.315 in    | D6/8.2L 8 mm 0.315 in      | D6/8.P.2L 8 mm 0.315 in      |
| 10 mm <sup>2</sup> |        | D10/10.NTL 10 mm 0.394 in | D10/10.1.2L 10 mm 0.394 in | D10/10.1.P.2L 10 mm 0.394 in |

Main catalog  
SNA series, terminal blocks

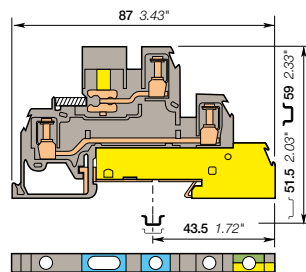


# D4/6.NTLP screw clamp terminal blocks

## Installation - 6 mm 0.236 in spacing



D4/6.NTLP



6 mm 0.236 in spacing

### Description

- According to DIN 43880 standards (dimension above the rail  $35 \times 7.5 \leq 44$  mm),
- Compatible with busbar.

### Ordering details

| Description   | Color                    | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|---|--------------------------|-----------|-----------------|---------|------------------|
| Installation Disconnect neutral + feed-through + ground | Grey, blue, Green-yellow | D4/6.NTLP | 1SNA110439R2200 | 20      | 20.00            |

### Main technical data

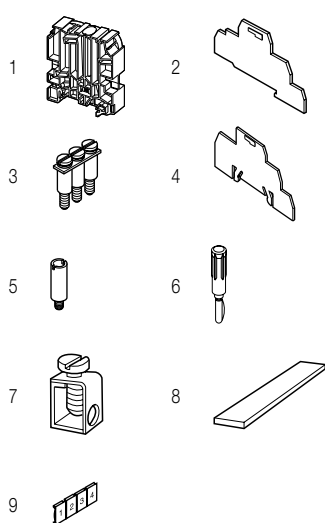
|  | IEC   | UL   | CSA       |  |  |
|--|---|--|-----------|--|--|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.2-4 mm <sup>2</sup><br>0.2-4 mm <sup>2</sup><br>A4 | 18-12 AWG |  |  |
| <b>Rated current / Rated cross section</b>     | 30 A / 4 mm <sup>2</sup>  | 20 A / 12 AWG  |           |  |  |
| <b>Rated short-time withstand current (1s)</b> | 480 A   |  |           |  |  |
| <b>Rated voltage</b>                           | 320 V   | 300 V  |           |  |  |
| <b>Impulse withstand voltage</b>               | 4000 V  |  |           |  |  |
| <b>Protection</b>                              | IP20  | NEMA 1   |           |  |  |

### Mounting instructions

| Rail                   |  | G32, TH 35-7.5, TH 35-15                 |  |
|------------------------|--|--|--|
| Wire stripping length  |  | 9.5 mm<br>0.37 in                        |  |
| Screw clamp Tool       |  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |  |
| Torque                 |  | 0.4 - 0.8 N.m<br>3.5 - 7 lb.in           |  |
| Disconnect device Tool |  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |  |
| Torque                 |  | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in         |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |    |        |  |  |  |  |  |  |
|----|------|----|--------|--|--|--|--|--|--|
|    |      |    |        |  |  |  |  |  |  |
| CE | RoHS | UL | Gost R |  |  |  |  |  |  |



### Accessories

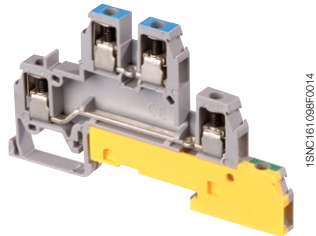
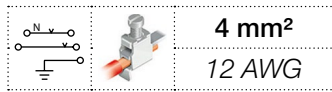
| Description                          | Color | Type  | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------------|-------|-------|-----------------|---------|------------------|
| 1 End stops 12 mm 0.472 in           | Grey  | BADH  | 1SNA116900R2700 | 50      | 24.00            |
| 2 End sections 1 mm 0.039 in         | Grey  | FED6  | 1SNA116964R1200 | 20      | 3.00             |
| 3 Jumper bars 2 poles 32 A           |       | BJM62 | 1SNA173217R2600 | 10      | 2.00             |
| 3 poles                              |       |       | 1SNA173218R0700 | 10      | 3.00             |
| 4 poles                              |       |       | 1SNA173219R0000 | 10      | 4.00             |
| 5 poles                              |       |       | 1SNA173221R2200 | 10      | 5.00             |
| 10 poles                             |       |       | 1SNA173226R2700 | 10      | 10.00            |
| 4 Circuit separators 1.5 mm 0.059 in | Grey  | SCFD  | 1SNA114117R0700 | 10      | 10.00            |
| 5 Test sockets DIA 2 mm 0.079 in     |       | AL2   | 1SNA167319R0600 | 50      |                  |
| 6 Test plugs DIA 2 mm 0.079 in       | Black | FC2   | 1SNA007865R2600 | 100     |                  |
| 7 Clamps 0.5-35 mm <sup>2</sup>      |       | SFB1  | 1SNA163860R0500 | 50      | 12.00            |
| 16-35 mm <sup>2</sup> 6-2 AWG        |       | SFB2  | 1SNA168956R0600 | 50      | 11.00            |
| 8 Busbars Busbars                    |       | BO3   | 1SNA164406R2400 | 1       |                  |
| 9 Terminal block markers Blank card  | White | RC65  | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

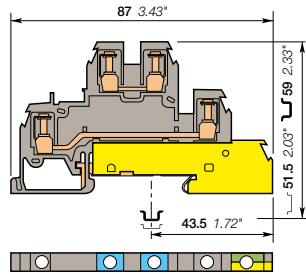
All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

# D4/6.NLP screw clamp terminal blocks

## Installation - 6 mm 0.236 in spacing



D4/6.NLP



6 mm 0.236 in spacing

### Description

- According to DIN 43880 standards (dimension above the rail  $35 \times 7.5 \leq 44$  mm),
- Compatible with busbar.

### Ordering details

| Description                                  | Color                    | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------------------|----------|-----------------|---------|------------------|
| Installation Neutral + feed-through + ground | Grey, blue, Green-yellow | D4/6.NLP | 1SNA110440R0700 | 20      | 20.00            |

### Main technical data

|   |                                 | IEC                      | UL            | CSA | Mounting instructions |  |
|---|---------------------------------|--------------------------|---------------|-----|-----------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>    | 18-12 AWG     |     | Rail                  | G32, TH 35-7.5, TH 35-15                 |
|   | Flexible with insulated ferrule | 0.2-4 mm <sup>2</sup>    |               |     | Wire stripping length | 9.5 mm 0.37 in                           |
|   | Gauge                           | A4                       |               |     | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Rated current / Rated cross section     |                                 | 30 A / 4 mm <sup>2</sup> | 20 A / 12 AWG |     | Torque                | 0.4 - 0.8 N.m<br>3.5 - 7 lb.in           |
| Rated short-time withstand current (1s) |                                 | 480 A                    |               |     |                       |  |
| Rated voltage                           |                                 | 400 V                    | 300 V         |     |                       |  |
| Impulse withstand voltage               |                                 | 6000 V                   |               |     |                       |  |
| Protection                              |                                 | IP20                     | NEMA 1        |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |    |        |  |  |  |  |  |  |
|----|------|----|--------|--|--|--|--|--|--|
| CE | RoHS | UL | Gost R |  |  |  |  |  |  |
| CE | RoHS | UL | Gost R |  |  |  |  |  |  |

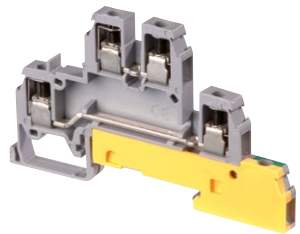
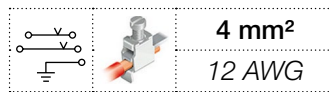
### Accessories

| Description                         | Color | Type  | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------------------|-------|-------|-----------------|---------|------------------|
| 1 End stops 12 mm 0.472 in          | Grey  | BADH  | 1SNA116900R2700 | 50      | 24.00            |
| 2 End sections 1 mm 0.039 in        | Grey  | FED6  | 1SNA116964R1200 | 20      | 3.00             |
| 3 Jumper bars 2 poles 32 A          |       | BJM62 | 1SNA173217R2600 | 10      | 2.00             |
|                                     |       |       | 1SNA173218R0700 | 10      | 3.00             |
|                                     |       |       | 1SNA173219R0000 | 10      | 4.00             |
|                                     |       |       | 1SNA173221R2200 | 10      | 5.00             |
|                                     |       |       | 1SNA173226R2700 | 10      | 10.00            |
| 4 Circuit separators 0 mm 0 in      | White | SCD   | 1SNA103189R2600 | 10      | 1.00             |
|                                     | Grey  | SCFD  | 1SNA114117R0700 | 10      | 10.00            |
| 5 Test sockets DIA 2 mm 0.079 in    |       | AL2   | 1SNA167319R0600 | 50      |                  |
| 6 Test plugs DIA 2 mm 0.079 in      | Black | FC2   | 1SNA007865R2600 | 100     |                  |
| 7 Terminal block markers Blank card | White | RC65  | 1SNA232000R0000 | 1       | 3.60             |

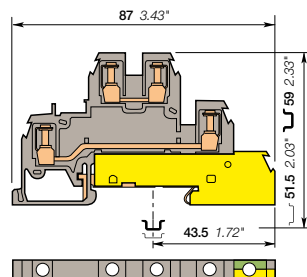
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

# D4/6.LLP screw clamp terminal blocks

## Installation - 6 mm 0.236 in spacing



D4/6.LLP



6 mm 0.236 in spacing

### Description

- According to DIN 43880 standards (dimension above the rail  $35 \times 7.5 \leq 44$  mm),
- Compatible with busbar.

### Ordering details

| Description                          | Color              | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------------|--------------------|----------|-----------------|---------|------------------|
| Installation 2 feed-through + ground | Grey, Green-yellow | D4/6.LLP | 1SNA110441R2400 | 20      | 20.00            |

### Main technical data

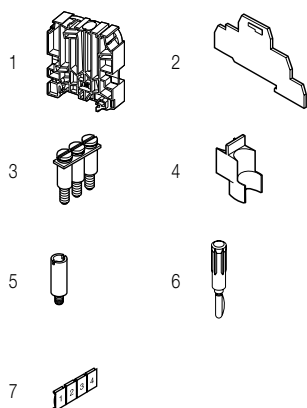
|  |                                 | IEC                      | UL            | CSA |
|--|---------------------------------|--------------------------|---------------|-----|
| 1 conductor per clamp                          | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>    | 18-12 AWG     |     |
|  | Flexible with insulated ferrule | 0.2-4 mm <sup>2</sup>    |               |     |
|  | Gauge                           | A4                       |               |     |
| <b>Rated current / Rated cross section</b>     |                                 | 30 A / 4 mm <sup>2</sup> | 20 A / 12 AWG |     |
| <b>Rated short-time withstand current (1s)</b> |                                 | 480 A                    |               |     |
| <b>Rated voltage</b>                           |                                 | 400 V                    | 300 V         |     |
| <b>Impulse withstand voltage</b>               |                                 | 6000 V                   |               |     |
| <b>Protection</b>                              |                                 | IP20                     | NEMA 1        |     |

### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | G32, TH 35-7.5, TH 35-15                 |
| Wire stripping length |  | 9.5 mm<br>0.37 in                        |
| Tool                  |  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Torque                |  | 0.4 - 0.8 N.m<br>3.5 - 7 lb.in           |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |    |        |
|----|------|----|--------|
| CE | RoHS | UL | PC     |
| CE | RoHS | UL | Gost R |



### Accessories

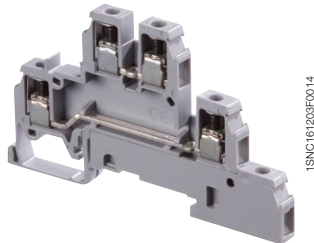
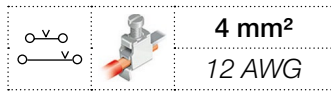
| Description                         | Color | Type  | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------------------|-------|-------|-----------------|---------|------------------|
| 1 End stops 12 mm 0.472 in          | Grey  | BADH  | 1SNA116900R2700 | 50      | 24.00            |
| 2 End sections 1 mm 0.039 in        | Grey  | FED6  | 1SNA116964R1200 | 20      | 3.00             |
| 3 Jumper bars 2 poles 32 A          |       | BJM62 | 1SNA173217R2600 | 10      | 2.00             |
| 3 poles                             |       |       | 1SNA173218R0700 | 10      | 3.00             |
| 4 poles                             |       |       | 1SNA173219R0000 | 10      | 4.00             |
| 5 poles                             |       |       | 1SNA173221R2200 | 10      | 5.00             |
| 10 poles                            |       |       | 1SNA173226R2700 | 10      | 10.00            |
| 4 Circuit separators 0 mm 0 in      | White | SCD   | 1SNA103189R2600 | 10      | 1.00             |
| 1.5 mm 0.059 in                     | Grey  | SCFD  | 1SNA114117R0700 | 10      | 10.00            |
| 5 Test sockets DIA 2 mm 0.079 in    |       | AL2   | 1SNA167319R0600 | 50      |                  |
| 6 Test plugs DIA 2 mm 0.079 in      | Black | FC2   | 1SNA007865R2600 | 100     |                  |
| 7 Terminal block markers Blank card | White | RC65  | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

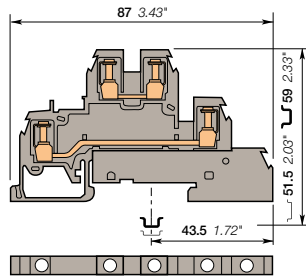
All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

# D4/6.LL screw clamp terminal blocks

## Installation - 6 mm 0.236 in spacing



D4/6.LL



6 mm 0.236 in spacing

### Description

- According to DIN 43880 standards (dimension above the rail  $35 \times 7.5 \leq 44$  mm),
- Compatible with busbar.

### Ordering details

| Description  | Color          | Type                                  | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|----------------|---------------------------------------|-----------------|---------|------------------|
| Installation | 2 feed-through | Grey <input type="checkbox"/> D4/6.LL | 1SNA110442R2500 | 20      | 20.00            |

### Main technical data

|  |                                 | IEC                      | UL            | CSA | Mounting instructions |                                    |
|--|---------------------------------|--------------------------|---------------|-----|-----------------------|------------------------------------|
| 1 conductor per clamp                          | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>    | 18-12 AWG     |     | Rail                  | G32, TH 35-7.5, TH 35-15           |
|  | Flexible with insulated ferrule | 0.2-4 mm <sup>2</sup>    |               |     | Wire stripping length | 9.5 mm 0.37 in                     |
|  | Gauge                           | A4                       |               |     | Tool                  | Flat screwdriver Ø 4 mm Ø 0.157 in |
| <b>Rated current / Rated cross section</b>     |                                 | 30 A / 4 mm <sup>2</sup> | 20 A / 12 AWG |     | Torque                | 0.4 - 0.8 N.m 3.5 - 7 lb.in        |
| <b>Rated short-time withstand current (1s)</b> |                                 | 480 A                    |               |     |                       |                                    |
| <b>Rated voltage</b>                           |                                 | 400 V                    | 300 V         |     |                       |                                    |
| <b>Impulse withstand voltage</b>               |                                 | 6000 V                   |               |     |                       |                                    |
| <b>Protection</b>                              |                                 | IP20                     | NEMA 1        |     |                       |                                    |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |    |     |        |
|----|------|----|-----|--------|
| CE | RoHS | UL | CSA | Gost R |
|----|------|----|-----|--------|

### Accessories

| Description              | Color                          | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|--------------------------------|----------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>  | BADH     | 1SNA116900R2700 | 50      | 24.00            |
| 2 End sections           | Grey <input type="checkbox"/>  | FED6     | 1SNA116964R1200 | 20      | 3.00             |
| 3 Jumper bars            |                                | 2 poles  | 1SNA173217R2600 | 10      | 2.00             |
|                          |                                | 3 poles  | 1SNA173218R0700 | 10      | 3.00             |
|                          |                                | 4 poles  | 1SNA173219R0000 | 10      | 4.00             |
|                          |                                | 5 poles  | 1SNA173221R2200 | 10      | 5.00             |
|                          |                                | 10 poles | 1SNA173226R2700 | 10      | 10.00            |
| 4 Circuit separators     | White <input type="checkbox"/> | SCD      | 1SNA103189R2600 | 10      | 1.00             |
|                          | Grey <input type="checkbox"/>  | SCFD     | 1SNA114117R0700 | 10      | 10.00            |
| 5 Test sockets           |                                | AL2      | 1SNA167319R0600 | 50      |                  |
| 6 Test plugs             | Black <input type="checkbox"/> | FC2      | 1SNA007865R2600 | 100     |                  |
| 7 Terminal block markers | White <input type="checkbox"/> | RC65     | 1SNA232000R0000 | 1       | 3.60             |

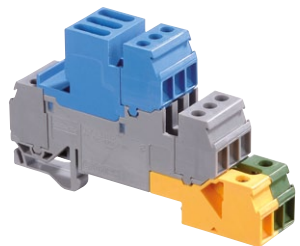
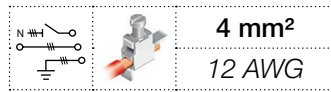
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.



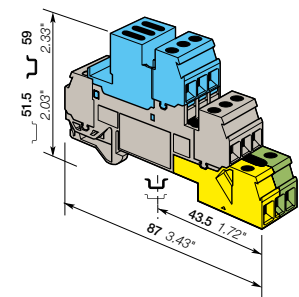
# D4/6.LNTP screw clamp terminal blocks

## Installation - 17.8 mm 0.701 in spacing



1SNC161195F0014

D4/6.LNTP



17.8 mm 0.701 in spacing

### Description

- Closed terminal block: no end section needed,
- According to DIN 43880 standards (dimension above the rail  $35 \times 7.5 \leq 44$  mm),
- Compatible with busbar.

### Ordering details

| Description  | Color                       | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--|-----------------------------|------------|-----------------|---------|------------------|
| Installation<br>3 disconnect neutral<br>+ 3 feed-through<br>+ 3 ground | Blue, grey,<br>green-yellow | D4/6.LNTP1 | 1SNA110264R0200 | 10      | 70.00            |

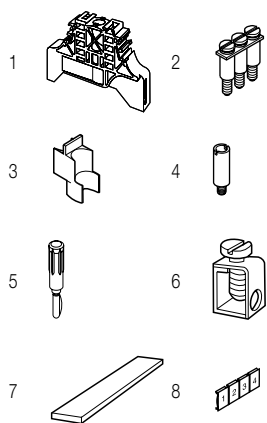
### Main technical data

|  | IEC   | UL            | CSA           | Mounting instructions  |  |
|--|---|---------------|---------------|------------------------|--|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge<br>A4 | 18-12 AWG     | 18-12 AWG     | Rail                   | TH 35-7.5,<br>TH 35-15                   |
|  |   |               |               | Wire stripping length  | 9.5 mm<br>0.37 in                        |
|  |   |               |               | Screw clamp Tool       | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
|  |   |               |               | Torque                 | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| <b>Rated current / Rated cross section</b>     | 30 A / 4 mm²  | 20 A / 12 AWG | 20 A / 12 AWG | Disconnect device Tool | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| <b>Rated short-time withstand current (1s)</b> | 480 A   |               |               | Torque                 | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in         |
| <b>Rated voltage</b>                           | 320 V   | 300 V         | 300 V         |                        |  |
| <b>Impulse withstand voltage</b>               | 4000 V  |               |               |                        |  |
| <b>Protection</b>                              | IP20  | NEMA 1        |               |                        |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |     |     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----|------|-----|-----|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| CE | RoHS | USR | CSA | Gost R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----|------|-----|-----|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

### Accessories



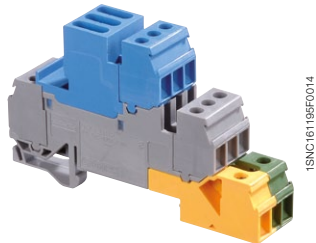
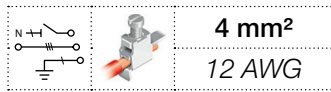
| Description              | Color | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|-------|----------|-----------------|---------|------------------|
| 1 End stops              | Grey  | BAM2     | 1SNA206351R1600 | 50      | 12.00            |
|                          |       | BADL     | 1SNA399903R0200 | 50      | 4.70             |
| 2 Jumper bars            |       | 2 poles  | 1SNA173217R2600 | 10      | 2.00             |
|                          |       | 3 poles  | 1SNA173218R0700 | 10      | 3.00             |
|                          |       | 4 poles  | 1SNA173219R0000 | 10      | 4.00             |
|                          |       | 5 poles  | 1SNA173221R2200 | 10      | 5.00             |
|                          |       | 10 poles | 1SNA173226R2700 | 10      | 10.00            |
| 3 Circuit separators     | White | SCD      | 1SNA103189R2600 | 10      | 1.00             |
|                          |       | SCFD     | 1SNA114117R0700 | 10      | 10.00            |
| 4 Test sockets           | Grey  | AL2      | 1SNA167319R0600 | 50      |                  |
| 5 Test plugs             | Black | FC2      | 1SNA007865R2600 | 100     |                  |
| 6 Clamps                 |       | SFB1     | 1SNA163860R0500 | 50      | 12.00            |
|                          |       | SFB2     | 1SNA168956R0600 | 50      | 11.00            |
| 7 Busbars                |       | BO3      | 1SNA164406R2400 | 1       |                  |
| 8 Terminal block markers | White | RC65     | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

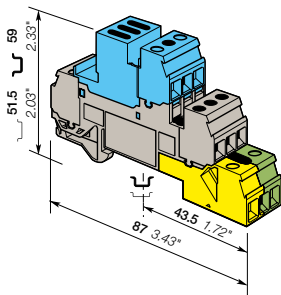
# D4/6.LNTP screw clamp terminal blocks

## Installation - 17.8 mm 0.701 in spacing



1SNC161195F0014

D4/6.LNTP



17.8 mm 0.701 in spacing

### Description

- Closed terminal block: no end section needed,
- According to DIN 43880 standards (dimension above the rail  $35 \times 7.5 \leq 44$  mm),
- Compatible with busbar.

### Ordering details

| Description  | Color                       | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--|-----------------------------|------------|-----------------|---------|------------------|
| Installation<br>1 disconnect neutral<br>+ 3 feed-through<br>+ 1 ground | Blue, grey,<br>green-yellow | D4/6.LNTP3 | 1SNA110269R1700 | 10      | 70.00            |

### Main technical data

|  | IEC                      | UL            | CSA           |
|--|--------------------------|---------------|---------------|
| <b>1 conductor per clamp</b>                   |                          |               |               |
| Rigid - Solid / Stranded                       | 0.2-4 mm <sup>2</sup>    | 18-12 AWG     | 18-12 AWG     |
| Flexible with insulated ferrule                | 0.2-4 mm <sup>2</sup>    |               |               |
| Gauge  | A4                       |               |               |
| <b>Rated current / Rated cross section</b>     | 30 A / 4 mm <sup>2</sup> | 20 A / 12 AWG | 20 A / 12 AWG |
| <b>Rated short-time withstand current (1s)</b> | 480 A                    |               |               |
| <b>Rated voltage</b>                           | 320 V                    | 300 V         | 300 V         |
| <b>Impulse withstand voltage</b>               | 4000 V                   |               |               |
| <b>Protection</b>                              | IP20                     | NEMA 1        |               |

### Mounting instructions

| Rail                   |  | TH 35-7.5,<br>TH 35-15                   |
|------------------------|--|--|
| Wire stripping length  |  | 9.5 mm<br>0.37 in                        |
| Screw clamp Tool       |  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Torque                 |  | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| Disconnect device Tool |  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Torque                 |  | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in         |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |     |     |        |
|----|------|-----|-----|--------|
| CE | RoHS | USF | CSA | Gost R |
|----|------|-----|-----|--------|

### Accessories

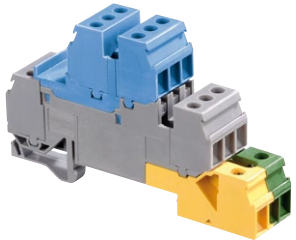
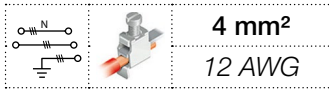
| Description              | Color | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|-------|----------|-----------------|---------|------------------|
| 1 End stops              | Grey  | BAM2     | 1SNA206351R1600 | 50      | 12.00            |
|                          |       | BADL     | 1SNA399903R0200 | 50      | 4.70             |
| 2 Jumper bars            |       | 2 poles  | 1SNA173217R2600 | 10      | 2.00             |
|                          |       | 3 poles  | 1SNA173218R0700 | 10      | 3.00             |
|                          |       | 4 poles  | 1SNA173219R0000 | 10      | 4.00             |
|                          |       | 5 poles  | 1SNA173221R2200 | 10      | 5.00             |
|                          |       | 10 poles | 1SNA173226R2700 | 10      | 10.00            |
| 3 Circuit separators     | White | SCD      | 1SNA103189R2600 | 10      | 1.00             |
|                          |       | SCFD     | 1SNA114117R0700 | 10      | 10.00            |
| 4 Test sockets           | Grey  | AL2      | 1SNA167319R0600 | 50      |                  |
| 5 Test plugs             | Black | FC2      | 1SNA007865R2600 | 100     |                  |
| 6 Clamps                 |       | SFB1     | 1SNA163860R0500 | 50      | 12.00            |
|                          |       | SFB2     | 1SNA168956R0600 | 50      | 11.00            |
| 7 Busbars                |       | BO3      | 1SNA164406R2400 | 1       |                  |
| 8 Terminal block markers | White | RC65     | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

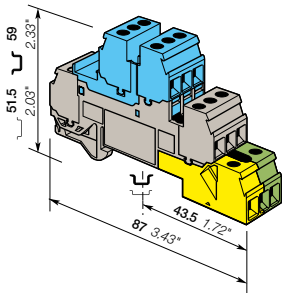
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D4/6.LNTP screw clamp terminal blocks

## Installation - 17.8 mm 0.701 in spacing



D4/6.LNTP



17.8 mm 0.701 in spacing





### Description

- Closed terminal block: no end section needed,
- According to DIN 43880 standards (dimension above the rail  $35 \times 7.5 \leq 44$  mm),
- Compatible with busbar.

### Ordering details

| Description  | Color                    | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------------------|------------|-----------------|---------|------------------|
| Installation 3 neutral + 3 feed-through + 3 ground | Blue, grey, Green-yellow | D4/6.LNTP2 | 1SNA110327R2100 | 10      | 70.00            |

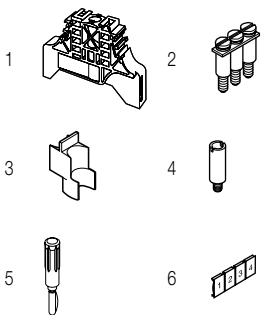
### Main technical data

|   |                                 | IEC                      | UL            | CSA           | Mounting instructions |  |
|---|---------------------------------|--------------------------|---------------|---------------|-----------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>    | 18-12 AWG     | 18-12 AWG     | Rail                  |  TH 35-7.5, TH 35-15                |
|   | Flexible with insulated ferrule | 0.2-4 mm <sup>2</sup>    |               |               | Wire stripping length |  9.5 mm 0.37 in                     |
|   | Gauge                           | A4                       |               |               | Tool                  |  Flat screwdriver Ø 4 mm Ø 0.157 in |
|   |                                 |                          |               |               | Torque                |  0.5 - 0.8 N.m 4.4 - 7.1 lb.in      |
| Rated current / Rated cross section     |                                 | 30 A / 4 mm <sup>2</sup> | 20 A / 12 AWG | 20 A / 12 AWG |                       |  |
| Rated short-time withstand current (1s) |                                 | 480 A                    |               |               |                       |  |
| Rated voltage                           |                                 | 400 V                    | 300 V         | 300 V         |                       |  |
| Impulse withstand voltage               |                                 | 6000 V                   |               |               |                       |  |
| Protection                              |                                 | IP20                     | NEMA 1        |               |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |    |     |    |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----|------|----|-----|----|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| CE | RoHS | UR | CSA | PC | Gost R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----|------|----|-----|----|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

### Accessories



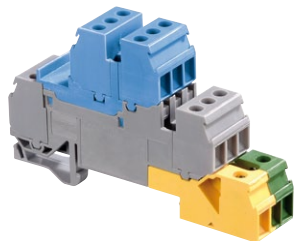
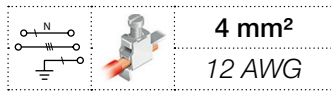
| Description              | Color | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|-------|-----------------|-----------------|---------|------------------|
| 1 End stops              | Grey  | BAM2            | 1SNA206351R1600 | 50      | 12.00            |
|                          |       | BADL            | 1SNA399903R0200 | 50      | 4.70             |
| 2 Jumper bars            | Grey  | 2 poles 32 A    | BJM62           | 10      | 2.00             |
|                          |       | 3 poles         |                 | 10      | 3.00             |
|                          |       | 4 poles         |                 | 10      | 4.00             |
|                          |       | 5 poles         |                 | 10      | 5.00             |
|                          |       | 10 poles        |                 | 10      | 10.00            |
| 3 Circuit separators     | White | 0 mm 0 in       | SCD             | 10      | 1.00             |
|                          |       | 1.5 mm 0.059 in | SCFD            | 10      | 10.00            |
| 4 Test sockets           | Grey  | AL2             | 1SNA167319R0600 | 50      |                  |
| 5 Test plugs             | Black | FC2             | 1SNA007865R2600 | 100     |                  |
| 6 Terminal block markers | White | RC65            | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

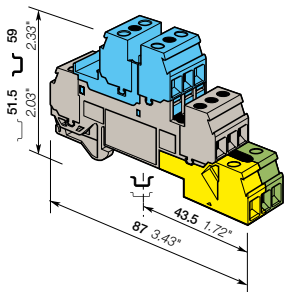
All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

# D4/6.LNTP screw clamp terminal blocks

## Installation - 17.8 mm 0.701 in spacing



D4/6.LNTP



17.8 mm 0.701 in spacing

### Description

- Closed terminal block: no end section needed.
- According to DIN 43880 standards (dimension above the rail  $35 \times 7.5 \leq 44$  mm),
- Compatible with busbar.

### Ordering details

| Description  | Color                    | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------------------|------------|-----------------|---------|------------------|
| Installation 1 neutral + 3 feed-through + 1 ground | Blue, Grey, Green-Yellow | D4/6.LNTP8 | 1SNA110333R2700 | 10      | 60.00            |

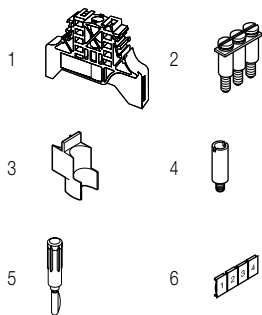
### Main technical data

|   |                                 | IEC                      | UL            | CSA           | Mounting instructions |                                    |
|---|---------------------------------|--------------------------|---------------|---------------|-----------------------|------------------------------------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>    | 18-12 AWG     | 18-12 AWG     | Rail                  | TH 35-7.5, TH 35-15                |
|   | Flexible with insulated ferrule | 0.2-4 mm <sup>2</sup>    |               |               | Wire stripping length | 9.5 mm 0.37 in                     |
|   | Gauge                           | A4                       |               |               | Tool                  | Flat screwdriver Ø 4 mm Ø 0.157 in |
| Rated current / Rated cross section     |                                 | 30 A / 4 mm <sup>2</sup> | 20 A / 12 AWG | 20 A / 12 AWG | Torque                | 0.4 - 0.8 N.m 3.5 - 7 lb.in        |
| Rated short-time withstand current (1s) |                                 | 480 A                    |               |               |                       |                                    |
| Rated voltage                           |                                 | 400 V                    | 300 V         | 300 V         |                       |                                    |
| Impulse withstand voltage               |                                 | 6000 V                   |               |               |                       |                                    |
| Protection                              |                                 | IP20                     | NEMA 1        |               |                       |                                    |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |    |     |        |
|----|------|----|-----|--------|
| CE | RoHS | UL | CSA | Gost R |
|----|------|----|-----|--------|

### Accessories



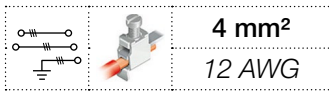
| Description              | Color | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|-------|-----------------|-----------------|---------|------------------|
| 1 End stops              | Grey  | BAM2            | 1SNA206351R1600 | 50      | 12.00            |
|                          |       | BADL            | 1SNA399903R0200 | 50      | 4.70             |
| 2 Jumper bars            | Grey  | 2 poles 32 A    | 1SNA173217R2600 | 10      | 2.00             |
|                          |       | 3 poles         | 1SNA173218R0700 | 10      | 3.00             |
|                          |       | 4 poles         | 1SNA173219R0000 | 10      | 4.00             |
|                          |       | 5 poles         | 1SNA173221R2200 | 10      | 5.00             |
|                          |       | 10 poles        | 1SNA173226R2700 | 10      | 10.00            |
| 3 Circuit separators     | White | 0 mm 0 in       | 1SNA103189R2600 | 10      | 1.00             |
|                          |       | 1.5 mm 0.059 in | 1SNA114117R0700 | 10      | 10.00            |
| 4 Test sockets           | Grey  | AL2             | 1SNA167319R0600 | 50      |                  |
| 5 Test plugs             | Black | FC2             | 1SNA007865R2600 | 100     |                  |
| 6 Terminal block markers | White | RC65            | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

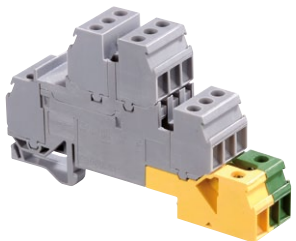
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D4/6.LNTP screw clamp terminal blocks

## Installation - 17.8 mm 0.701 in spacing

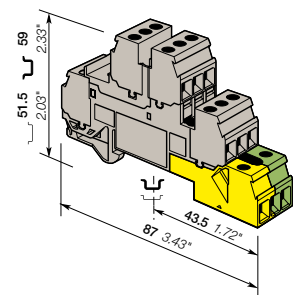


4 mm<sup>2</sup>  
12 AWG



1SNC161202F0014

D4/6.LNTP



17.8 mm 0.701 in spacing





### Description

- Closed terminal block: no end section needed,
- According to DIN 43880 standards (dimension above the rail  $35 \times 7.5 \leq 44$  mm),
- Compatible with busbar.

### Ordering details

| Description                            | Color              | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------------|------------|-----------------|---------|------------------|
| Installation 6 feed-through + 3 ground | Grey, Green-yellow | D4/6.LNTP4 | 1SNA110328R0200 | 10      | 70.00            |

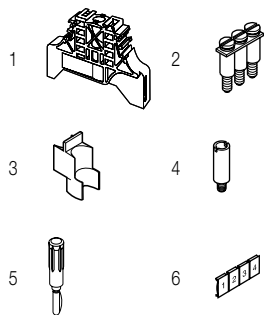
### Main technical data

|   |                                 | IEC                      | UL            | CSA           | Mounting instructions |  |
|---|---------------------------------|--------------------------|---------------|---------------|-----------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>    | 18-12 AWG     | 18-12 AWG     | Rail                  |  TH 35-7.5, TH 35-15                      |
|   | Flexible with insulated ferrule | 0.2-4 mm <sup>2</sup>    |               |               | Wire stripping length |  9.5 mm 0.37 in                           |
|   | Gauge                           | A4                       |               |               | Tool                  |  Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Rated current / Rated cross section     |                                 | 30 A / 4 mm <sup>2</sup> | 20 A / 12 AWG | 20 A / 12 AWG | Torque                |  0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| Rated short-time withstand current (1s) |                                 | 480 A                    |               |               |                       |  |
| Rated voltage                           |                                 | 400 V                    | 300 V         | 300 V         |                       |  |
| Impulse withstand voltage               |                                 | 6000 V                   |               |               |                       |  |
| Protection                              |                                 | IP20                     | NEMA 1        |               |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |    |     |     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----|------|----|-----|-----|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| CE | RoHS | UR | CSA | PCB | Gost R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CE | RoHS | UR | CSA | PCB | Gost R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

### Accessories



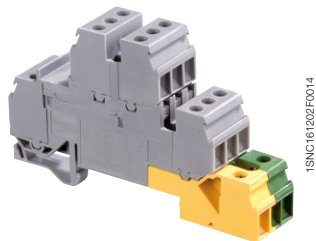
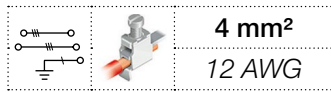
| Description              | Color | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|-------|----------|-----------------|---------|------------------|
| 1 End stops              | Grey  | BAM2     | 1SNA206351R1600 | 50      | 12.00            |
|                          |       | BADL     | 1SNA399903R0200 | 50      | 4.70             |
| 2 Jumper bars            | Grey  | 2 poles  | 1SNA173217R2600 | 10      | 2.00             |
|                          |       | 3 poles  | 1SNA173218R0700 | 10      | 3.00             |
|                          |       | 4 poles  | 1SNA173219R0000 | 10      | 4.00             |
|                          |       | 5 poles  | 1SNA173221R2200 | 10      | 5.00             |
|                          |       | 10 poles | 1SNA173226R2700 | 10      | 10.00            |
| 3 Circuit separators     | White | 0 mm     | 1SNA103189R2600 | 10      | 1.00             |
|                          |       | 1.5 mm   | 1SNA114117R0700 | 10      | 10.00            |
| 4 Test sockets           | Grey  | AL2      | 1SNA167319R0600 | 50      |                  |
| 5 Test plugs             | Black | FC2      | 1SNA007865R2600 | 100     |                  |
| 6 Terminal block markers | White | RC65     | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

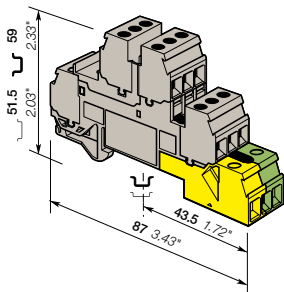
# D4/6.LNTP screw clamp terminal blocks

## Installation - 17.8 mm 0.701 in spacing



1SNC161202P0014

D4/6.LNTP



17.8 mm 0.701 in spacing

### Description

- Closed terminal block: no end section needed,
- According to DIN 43880 standards (dimension above the rail  $35 \times 7.5 \leq 44$  mm),
- Compatible with busbar.

### Ordering details

| Description  | Color   | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--------------|---|------------|-----------------|---------|------------------|
| Installation | 6 feed-through + 1 ground<br>Grey, Green-yellow | D4/6.LNTP7 | 1SNA110332R2600 | 10      | 60.00            |

### Main technical data

|   | IEC                             | UL                    | CSA           |
|---|---------------------------------|-----------------------|---------------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup> | 18-12 AWG     |
|   | Flexible with insulated ferrule | 0.2-4 mm <sup>2</sup> | 18-12 AWG     |
|   | Gauge                           | A4                    |               |
| Rated current / Rated cross section     | 30 A / 4 mm <sup>2</sup>        | 20 A / 12 AWG         | 20 A / 12 AWG |
| Rated short-time withstand current (1s) | 480 A                           |                       |               |
| Rated voltage                           | 400 V                           | 300 V                 | 300 V         |
| Impulse withstand voltage               | 6000 V                          |                       |               |
| Protection                              | IP20                            | NEMA 1                |               |

### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | TH 35-7.5, TH 35-15                      |
| Wire stripping length |  | 9.5 mm<br>0.37 in                        |
| Tool                  |  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Torque                |  | 0.4 - 0.8 N.m<br>3.5 - 7 lb.in           |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |    |     |        |
|----|------|----|-----|--------|
| CE | RoHS | UL | CSA | Gost R |
| CE | RoHS | UL | CSA | Gost R |

### Accessories

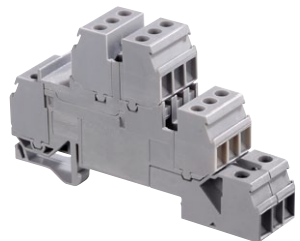
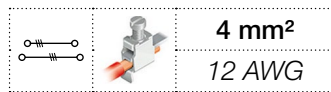
| Description              | Color | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|-------|----------|-----------------|---------|------------------|
| 1 End stops              | Grey  | BAM2     | 1SNA206351R1600 | 50      | 12.00            |
|                          |       | BADL     | 1SNA399903R0200 | 50      | 4.70             |
| 2 Jumper bars            |       | 2 poles  | 1SNA173217R2600 | 10      | 2.00             |
|                          |       | 3 poles  | 1SNA173218R0700 | 10      | 3.00             |
|                          |       | 4 poles  | 1SNA173219R0000 | 10      | 4.00             |
|                          |       | 5 poles  | 1SNA173221R2200 | 10      | 5.00             |
|                          |       | 10 poles | 1SNA173226R2700 | 10      | 10.00            |
| 3 Circuit separators     | White | SCD      | 1SNA103189R2600 | 10      | 1.00             |
|                          |       | SCFD     | 1SNA114117R0700 | 10      | 10.00            |
| 4 Test sockets           | Grey  | AL2      | 1SNA167319R0600 | 50      |                  |
| 5 Test plugs             | Black | FC2      | 1SNA007865R2600 | 100     |                  |
| 6 Terminal block markers | White | RC65     | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

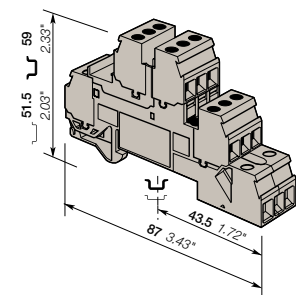
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D4/6.LNTP screw clamp terminal blocks

## Installation - 17.8 mm 0.701 in spacing



D4/6.LNTP



17.8 mm 0.701 in spacing

### Description

- Closed terminal block: no end section needed,
- According to DIN 43880 standards (dimension above the rail  $35 \times 7.5 \leq 44$  mm),
- Compatible with busbar.

### Ordering details

| Description                 | Color                         | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|-----------------------------|-------------------------------|------------|-----------------|---------|------------------|
| Installation 6 feed-through | Grey <input type="checkbox"/> | D4/6.LNTP6 | 1SNA110331R2500 | 10      | 63.10            |

### Main technical data

|  |                                 | IEC                      | UL            | CSA           |
|--|---------------------------------|--------------------------|---------------|---------------|
| 1 conductor per clamp                          | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>    | 18-12 AWG     | 18-12 AWG     |
|  | Flexible with insulated ferrule | 0.2-4 mm <sup>2</sup>    |               |               |
|  | Gauge                           | A4                       |               |               |
| <b>Rated current / Rated cross section</b>     |                                 | 30 A / 4 mm <sup>2</sup> | 20 A / 12 AWG | 20 A / 12 AWG |
| <b>Rated short-time withstand current (1s)</b> |                                 | 480 A                    |               |               |
| <b>Rated voltage</b>                           |                                 | 400 V                    | 300 V         | 300 V         |
| <b>Impulse withstand voltage</b>               |                                 | 6000 V                   |               |               |
| <b>Protection</b>                              |                                 | IP20                     | NEMA 1        |               |

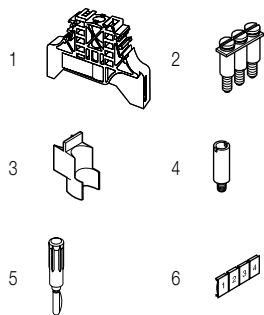
### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | TH 35-7.5, TH 35-15                      |
| Wire stripping length |  | 9.5 mm<br>0.37 in                        |
| Tool                  |  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Torque                |  | 0.4 - 0.8 N.m<br>3.5 - 7 lb.in           |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when apply) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |    |     |        |
|----|------|----|-----|--------|
|    |      |    |     |        |
| CE | RoHS | UL | CSA | Gost R |

### Accessories



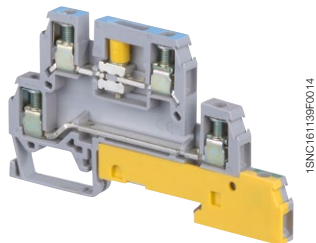
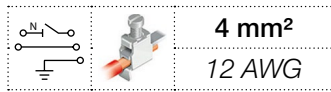
| Description              | Color                          | Type            | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|--------------------------------|-----------------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>  | BAM2            | 1SNA206351R1600 | 50      | 12.00            |
|                          |                                | BADL            | 1SNA399903R0200 | 50      | 4.70             |
| 2 Jumper bars            | Grey <input type="checkbox"/>  | 2 poles 32 A    | BJM62           | 10      | 2.00             |
|                          |                                | 3 poles         |                 | 10      | 3.00             |
|                          |                                | 4 poles         |                 | 10      | 4.00             |
|                          |                                | 5 poles         |                 | 10      | 5.00             |
|                          |                                | 10 poles        |                 | 10      | 10.00            |
| 3 Circuit separators     | White <input type="checkbox"/> | 0 mm 0 in       | SCD             | 10      | 1.00             |
|                          |                                | 1.5 mm 0.059 in | SCFD            | 10      | 10.00            |
| 4 Test sockets           | Grey <input type="checkbox"/>  | AL2             | 1SNA167319R0600 | 50      |                  |
| 5 Test plugs             | Black <input type="checkbox"/> | FC2             | 1SNA007865R2600 | 100     |                  |
| 6 Terminal block markers | White <input type="checkbox"/> | RC65            | 1SNA232000R0000 | 1       | 3.60             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

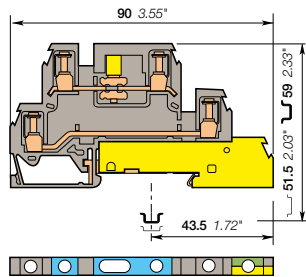
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D4/6.A.NTLP screw clamp terminal blocks

## Installation - 6 mm 0.236 in spacing



D4/6.A.NTLP



6 mm 0.236 in spacing

### Description

According to DIN 43880 standards (dimension above the rail  $35 \times 7.5 \leq 44$  mm).

### Ordering details

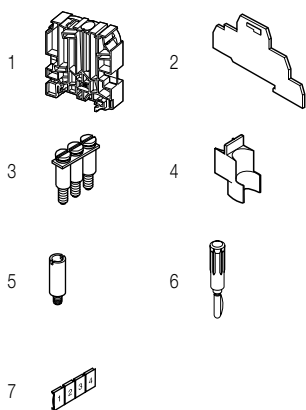
| Description   | Color                    | Type        | Order code      | Pkg<br>pce | Weight<br>(1 pce) g |
|---|--------------------------|-------------|-----------------|------------|---------------------|
| Installation Disconnect neutral + feed-through + ground | Grey, blue, Green-yellow | D4/6.A.NTLP | 1SNA110415R1200 | 10         |                     |

### Main technical data

|   | IEC                             | UL                       | CSA           | Mounting instructions  |  |
|---|---------------------------------|--------------------------|---------------|------------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>    | 18-12 AWG     | Rail                   | G32, TH 35-7.5, TH 35-15   |
|   | Flexible with insulated ferrule | 0.2-4 mm <sup>2</sup>    |               | Wire stripping length  | 9.5 mm 0.37 in   |
|   | Gauge                           | A4                       |               | Screw clamp Tool       | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in<br>0.4 - 0.8 Nm<br>3.5 - 7 lb.in    |
| Rated current / Rated cross section     |                                 | 30 A / 4 mm <sup>2</sup> | 20 A / 12 AWG | Torque                 | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in<br>0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in |
| Rated short-time withstand current (1s) |                                 | 480 A                    |               | Disconnect device Tool | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in                                     |
| Rated voltage                           |                                 | 320 V                    | 300 V         | Torque                 | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in<br>0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in |
| Impulse withstand voltage               |                                 | 4000 V                   |               |                        |  |
| Protection                              |                                 | IP20                     | NEMA 1        |                        |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |    |     |        |
|----|------|----|-----|--------|
| CE | RoHS | UL | CSA | Gost R |
|----|------|----|-----|--------|



### Accessories

| Description                         | Color | Type  | Order code      | Pkg<br>pce | Weight<br>(1 pce) g |
|-------------------------------------|-------|-------|-----------------|------------|---------------------|
| 1 End stops 12 mm 0.472 in          | Grey  | BADH  | 1SNA116900R2700 | 50         | 24.00               |
| 2 End sections 1 mm 0.039 in        | Grey  | FED6  | 1SNA116964R1200 | 20         | 3.00                |
| 3 Jumper bars 2 poles 32 A          |       | BJM62 | 1SNA173217R2600 | 10         | 2.00                |
|                                     |       |       | 1SNA173218R0700 | 10         | 3.00                |
|                                     |       |       | 1SNA173219R0000 | 10         | 4.00                |
|                                     |       |       | 1SNA173221R2200 | 10         | 5.00                |
|                                     |       |       | 1SNA173226R2700 | 10         | 10.00               |
| 4 Circuit separators 0 mm 0 in      | White | SCD   | 1SNA103189R2600 | 10         | 1.00                |
|                                     | Grey  | SCFD  | 1SNA114117R0700 | 10         | 10.00               |
| 5 Test sockets DIA 2 mm 0.079 in    |       | AL2   | 1SNA167319R0600 | 50         |                     |
| 6 Test plugs DIA 2 mm 0.079 in      | Black | FC2   | 1SNA007865R2600 | 100        |                     |
| 7 Terminal block markers Blank card | White | RC65  | 1SNA232000R0000 | 1          | 3.60                |

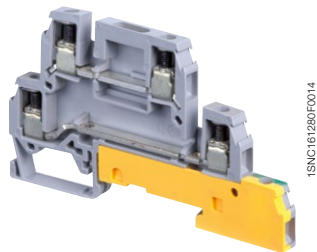
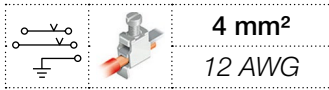
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

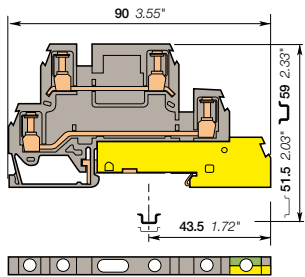


# D4/6.A.LL screw clamp terminal blocks

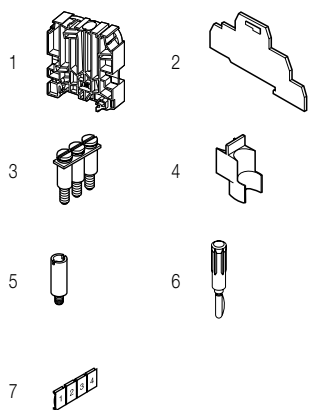
## Installation - 6 mm 0.236 in spacing



D4/6.A.LL



6 mm 0.236 in spacing



### Description

According to DIN 43880 standards (dimension above the rail 35 x 7.5 ≤ 44 mm).

### Ordering details

| Description  | Color                   | Type               | Order code | Pkg<br>pce      | Weight<br>(1 pce) g |
|--------------|-------------------------|--------------------|------------|-----------------|---------------------|
| Installation | 2 feed-through + ground | Grey, Green-yellow | D4/6.A.LLP | 1SNA110418R2500 | 20<br>20.00         |

### Main technical data

|   |                                 | IEC                      | UL            | CSA | Mounting instructions  |  |
|---|---------------------------------|--------------------------|---------------|-----|------------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>    | 18-12 AWG     |     | Rail                   | G32, TH 35-7.5, TH 35-15                 |
|   | Flexible with insulated ferrule | 0.2-4 mm <sup>2</sup>    |               |     | Wire stripping length  | 9.5 mm<br>0.37 in                        |
|   | Gauge                           | A4                       |               |     | Screw clamp Tool       | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Rated current / Rated cross section     |                                 | 30 A / 4 mm <sup>2</sup> | 20 A / 12 AWG |     | Torque                 | 0.4 - 0.8 Nm<br>3.5 - 7 lb.in            |
| Rated short-time withstand current (1s) |                                 | 480 A                    |               |     | Disconnect device Tool |  |
| Rated voltage                           |                                 | 400 V                    | 300 V         |     | Torque                 |  |
| Impulse withstand voltage               |                                 | 6000 V                   |               |     |                        |  |
| Protection                              |                                 | IP20                     | NEMA 1        |     |                        |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |    |     |     |        |
|----|------|----|-----|-----|--------|
| CE | RoHS | UL | CSA | PCB | Gost R |
| CE | RoHS | UL | CSA | PCB | Gost R |

### Accessories

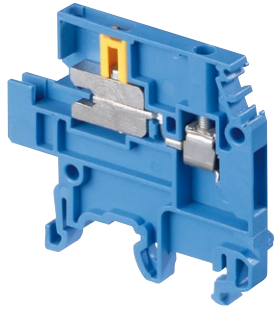
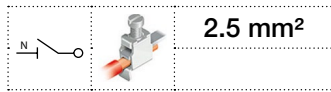
| Description              | Color | Type     | Order code      | Pkg<br>pce      | Weight<br>(1 pce) g |       |
|--------------------------|-------|----------|-----------------|-----------------|---------------------|-------|
| 1 End stops              | Grey  | BADH     | 1SNA116900R2700 | 50              | 24.00               |       |
| 2 End sections           | Grey  | FEDA6    | 1SNA116965R1300 | 20              | 3.60                |       |
| 3 Jumper bars            |       | 2 poles  | BJM62           | 1SNA173217R2600 | 10                  | 2.00  |
|                          |       | 3 poles  |                 | 1SNA173218R0700 | 10                  | 3.00  |
|                          |       | 4 poles  |                 | 1SNA173219R0000 | 10                  | 4.00  |
|                          |       | 5 poles  |                 | 1SNA173221R2200 | 10                  | 5.00  |
|                          |       | 10 poles |                 | 1SNA173226R2700 | 10                  | 10.00 |
| 4 Circuit separators     | White | SCD      | 1SNA103189R2600 | 10              | 1.00                |       |
|                          | Grey  | SCFD     | 1SNA114117R0700 | 10              | 10.00               |       |
| 5 Test sockets           |       | AL2      | 1SNA167319R0600 | 50              |                     |       |
| 6 Test plugs             | Black | FC2      | 1SNA007865R2600 | 100             |                     |       |
| 7 Terminal block markers | White | RC65     | 1SNA232000R0000 | 1               | 3.60                |       |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

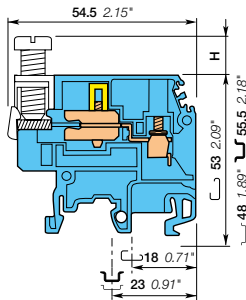
All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

# MA2.5/5.NT screw clamp terminal blocks

## Neutral disconnect - 5 mm 0.197 in spacing



MA2.5/5.NT



5 mm 0.197 in spacing

### Description

- Ease the disconnection of your neutral circuits,
- Compatible with screw clamp terminal blocks, wire size 2.5 mm<sup>2</sup> (5 mm 0.200 in spacing) to 16 mm<sup>2</sup> (12 mm 0.473 in spacing).

### Ordering details

| Description                             | Color                         | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|------------|-----------------|---------|------------------|
| Neutral disconnect For busbar 10 x 3 mm | Blue <input type="checkbox"/> | MA2.5/5.NT | 1SNA125487R0600 | 50      | 12.00            |

### Main technical data

|  | IEC  | UL  | CSA |  |
|--|--|---|-----|--|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible with insulated ferrule<br>Gauge | 0.2-4 mm <sup>2</sup><br>0.22-2.5 mm <sup>2</sup><br>A3 |     |  |
| <b>Rated current / Rated cross section</b>     | 24 A / 2.5 mm <sup>2</sup>   |   |     |  |
| <b>Rated short-time withstand current (1s)</b> | 300 A  |   |     |  |
| <b>Rated voltage</b>                           | 400 V  |   |     |  |
| <b>Impulse withstand voltage</b>               | 6000 V   |   |     |  |
| <b>Protection</b>                              | NEMA   |   |     |  |

### Mounting instructions

|                        |  |   |
|------------------------|--|---|
| Rail                   |  | G32, TH 35-7.5, TH 35-15                  |
| Wire stripping length  |  | 10 mm<br>0.39 in                          |
| Screw clamp Tool       |  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.14 in |
| Torque                 |  | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in          |
| Disconnect device Tool |  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.16 in   |
| Torque                 |  | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in          |

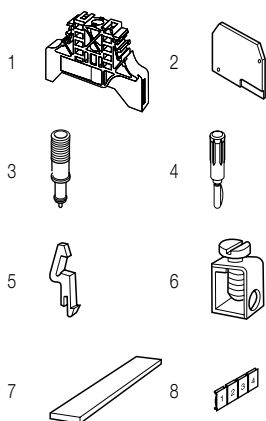
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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### Accessories

| Description                     | Color                          | Type  | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------|--------------------------------|-------|-----------------|---------|------------------|
| <b>1 End stops</b>              | Grey <input type="checkbox"/>  | BAM2  | 1SNA206351R1600 | 50      | 12.00            |
|                                 |                                | BADL  | 1SNA399903R0200 | 50      | 4.70             |
| <b>2 End sections</b>           | Grey <input type="checkbox"/>  | FEM6  | 1SNA118368R1600 | 20      | 2.40             |
| <b>3 Test adapters</b>          | Green <input type="checkbox"/> | DCV   | 1SNA173058R0200 | 10      | 2.20             |
| <b>4 Test plugs</b>             | Black <input type="checkbox"/> | FC2   | 1SNA007865R2600 | 100     |                  |
| <b>5 Locking devices</b>        | Blue <input type="checkbox"/>  | VRB3  | 1SNA128035R1600 | 10      |                  |
| <b>6 Clamps</b>                 |                                | SFB1  | 1SNA163860R0500 | 50      | 12.00            |
|                                 |                                | SFB2  | 1SNA168956R0600 | 50      | 11.00            |
| <b>7 Busbars</b>                |                                | BO3   | 1SNA164406R2400 | 1       |                  |
| <b>8 Terminal block markers</b> | White <input type="checkbox"/> | RC510 | 1SNA231000R0700 | 1       | 5.20             |

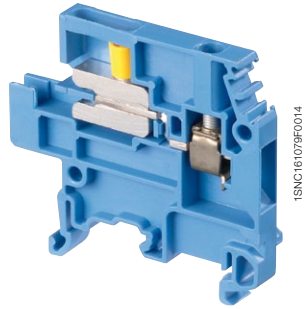
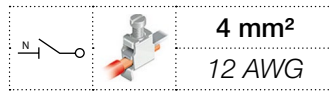
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



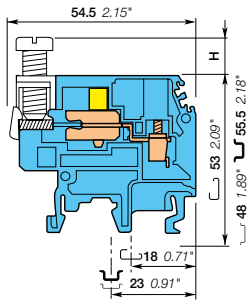
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only

# M4/6.NT screw clamp terminal blocks

## Neutral disconnect - 6 mm 0.236 in spacing



M4/6.NT



6 mm 0.236 in spacing

### Description

- Ease the disconnection of your neutral circuits,
- Compatible with screw clamp terminal blocks, wire size 2.5 mm<sup>2</sup> (5 mm 0.200 in spacing) to 16 mm<sup>2</sup> (12 mm 0.473 in spacing).

### Ordering details

| Description                             | Color | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------|---------|-----------------|---------|------------------|
| Neutral disconnect For busbar 10 x 3 mm | Blue  | M4/6.NT | 1SNA125117R0200 | 50      | 13.00            |

### Main technical data

|   |                                 | IEC                      | UL   | CSA           | Mounting instructions  |  |
|---|---------------------------------|--------------------------|------|---------------|------------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>    |      | 18-12 AWG     | Rail                   | G32, TH 35-7.5, TH 35-15                 |
|   | Flexible with insulated ferrule | 0.22-4 mm <sup>2</sup>   |      |               | Wire stripping length  | 12 mm 0.47 in                            |
|   | Gauge                           | A4                       |      |               | Screw clamp Tool       | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Rated current / Rated cross section     |                                 | 32 A / 4 mm <sup>2</sup> |      | 25 A / 12 AWG | Torque                 | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in         |
| Rated short-time withstand current (1s) |                                 | 480 A                    |      |               | Disconnect device Tool | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Rated voltage                           |                                 | 400 V                    |      | 300 V         | Torque                 | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in         |
| Impulse withstand voltage               |                                 | 6000 V                   |      |               |                        |  |
| Protection                              |                                 |                          | NEMA |               |                        |  |

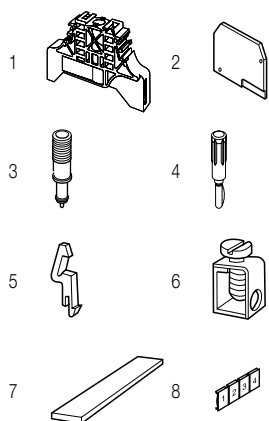
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| CE | RoHS | CSA | Gost R |
|----|------|-----|--------|
| CE | RoHS | CSA | Gost R |

### Accessories

| Description              | Color | Type                            | Order code      | Pkg pce         | Weight (1 pce) g |       |
|--------------------------|-------|---------------------------------|-----------------|-----------------|------------------|-------|
| 1 End stops              | Grey  | BAM2                            | 1SNA206351R1600 | 50              | 12.00            |       |
|                          |       | BADL                            | 1SNA399903R0200 | 50              | 4.70             |       |
| 2 End sections           | Grey  | FEM6                            | 1SNA118368R1600 | 20              | 2.40             |       |
| 3 Test adapters          | Green | DCV                             | 1SNA173058R0200 | 10              | 2.20             |       |
|                          | Black | FC2                             | 1SNA007865R2600 | 100             |                  |       |
| 4 Test plugs             |       | DIA 2 mm 0.079 in               |                 |                 |                  |       |
| 5 Locking devices        | Blue  | VRB3                            | 1SNA128035R1600 | 10              |                  |       |
| 6 Clamps                 |       | 0.5-35 mm <sup>2</sup> 18-2 AWG | SFB1            | 1SNA163860R0500 | 50               | 12.00 |
|                          |       | 16-35 mm <sup>2</sup> 6-2 AWG   | SFB2            | 1SNA168956R0600 | 50               | 11.00 |
| 7 Busbars                |       | Busbars                         | BO3             | 1SNA164406R2400 | 1                |       |
| 8 Terminal block markers | White | Blank card                      | RC610           | 1SNA233000R0100 | 1                | 7.50  |

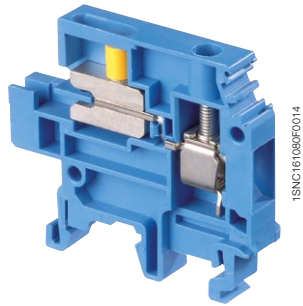
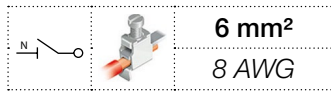
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



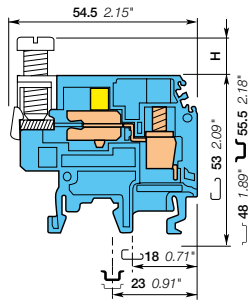
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# M6/8.NT screw clamp terminal blocks

## Neutral disconnect - 8 mm 0.315 in spacing



M6/8.NT



8 mm 0.315 in spacing

### Description

- Ease the disconnection of your neutral circuits,
- Compatible with screw clamp terminal blocks, wire size 2.5 mm<sup>2</sup> (5 mm 0.200 in spacing) to 16 mm<sup>2</sup> (12 mm 0.473 in spacing).

### Ordering details

| Description                             | Color                         | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|---------|-----------------|---------|------------------|
| Neutral disconnect For busbar 10 x 3 mm | Blue <input type="checkbox"/> | M6/8.NT | 1SNA125119R1400 | 50      | 17.00            |

### Main technical data

|  | IEC   | UL  | CSA          |
|--|---|---|--------------|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.5-10 mm <sup>2</sup><br>0.5-6 mm <sup>2</sup><br>A5 | 18-8 AWG     |
| <b>Rated current / Rated cross section</b>     | 41 A / 6 mm <sup>2</sup>  |   | 50 A / 8 AWG |
| <b>Rated short-time withstand current (1s)</b> | 720 A   |   |              |
| <b>Rated voltage</b>                           | 400 V   |   | 300 V        |
| <b>Impulse withstand voltage</b>               | 6000 V  |   |              |
| <b>Protection</b>                              |   | NEMA  |              |

### Mounting instructions

|                        |  |  |
|------------------------|--|--|
| Rail                   |  | G32, TH 35-7.5, TH 35-15                       |
| Wire stripping length  |  | 12 mm<br>0.47 in                               |
| Screw clamp Tool       |  | Flat screwdriver<br>Ø 4-5 mm<br>Ø 0.16-0.20 in |
| Torque                 |  | 0.8 - 1 N.m<br>7.1 - 8.9 lb.in                 |
| Disconnect device Tool |  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.16 in        |
| Torque                 |  | 0.4 - 0.6 N.m<br>3.5 - 5.3 lb.in               |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only, for more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

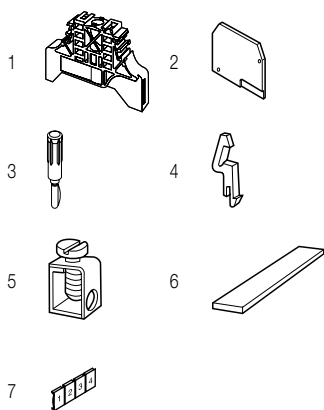
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### Accessories

| Description                     | Color                          | Type  | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------|--------------------------------|-------|-----------------|---------|------------------|
| <b>1 End stops</b>              | Grey <input type="checkbox"/>  | BAM2  | 1SNA206351R1600 | 50      | 12.00            |
|                                 |                                | BADL  | 1SNA399903R0200 | 50      | 4.70             |
| <b>2 End sections</b>           | Grey <input type="checkbox"/>  | FEM6  | 1SNA118368R1600 | 20      | 2.40             |
| <b>3 Test plugs</b>             | Black <input type="checkbox"/> | FC2   | 1SNA007865R2600 | 100     |                  |
| <b>4 Locking devices</b>        | Blue <input type="checkbox"/>  | VRB3  | 1SNA128035R1600 | 10      |                  |
| <b>5 Clamps</b>                 |                                | SFB1  | 1SNA163860R0500 | 50      | 12.00            |
|                                 |                                | SFB2  | 1SNA168956R0600 | 50      | 11.00            |
| <b>6 Busbars</b>                |                                | BO3   | 1SNA164406R2400 | 1       |                  |
| <b>7 Terminal block markers</b> | White <input type="checkbox"/> | RC810 | 1SNA234000R0200 | 1       | 8.20             |

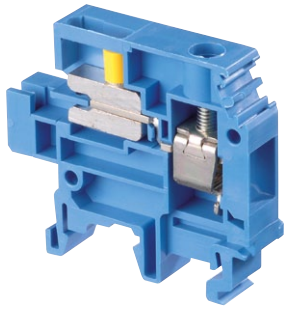
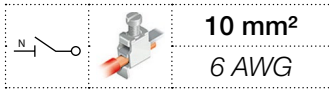
Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

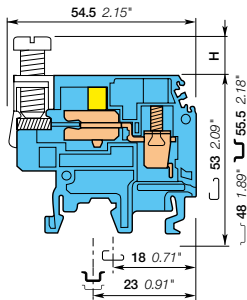


# M10/10.NT screw clamp terminal blocks

## Neutral disconnect - 10 mm 0.394 in spacing



M10/10.NT



10 mm 0.394 in spacing

### Description

- Ease the disconnection of your neutral circuits,
- Compatible with screw clamp terminal blocks, wire size 2.5 mm<sup>2</sup> (5 mm 0.200 in spacing) to 16 mm<sup>2</sup> (12 mm 0.473 in spacing).

### Ordering details

| Description                             | Color                         | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|-----------|-----------------|---------|------------------|
| Neutral disconnect For busbar 10 x 3 mm | Blue <input type="checkbox"/> | M10/10.NT | 1SNA125121R0600 | 50      | 19.00            |

### Main technical data

|   |                                 | IEC                       | UL   | CSA          | Mounting instructions  |  |
|---|---------------------------------|---------------------------|------|--------------|------------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.5-16 mm <sup>2</sup>    |      | 18-6 AWG     | Rail                   | G32, TH 35-7.5, TH 35-15   |
|   | Flexible with insulated ferrule | 0.5-10 mm <sup>2</sup>    |      |              | Wire stripping length  | 12 mm 0.47 in  |
|   | Gauge                           | B6                        |      |              | Screw clamp Tool       | Flat screwdriver Ø 5.5-6 mm Ø 0.22-0.24 in 1.2 - 1.4 N.m 10.6 - 12.3 lb.in |
| Rated current / Rated cross section     |                                 | 57 A / 10 mm <sup>2</sup> |      | 75 A / 6 AWG | Torque                 | Flat screwdriver Ø 4 mm Ø 0.16 in 0.4 - 0.6 N.m 3.5 - 5.3 lb.in            |
| Rated short-time withstand current (1s) |                                 | 1200 A                    |      |              | Disconnect device Tool | Flat screwdriver Ø 4 mm Ø 0.16 in  |
| Rated voltage                           |                                 | 400 V                     |      | 300 V        | Torque                 | 0.4 - 0.6 N.m 3.5 - 5.3 lb.in  |
| Impulse withstand voltage               |                                 | 6000 V                    |      |              |                        |  |
| Protection                              |                                 |                           | NEMA |              |                        |  |

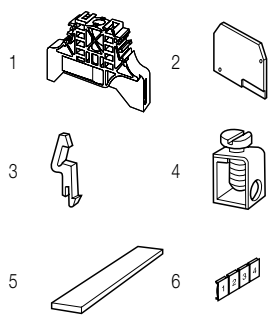
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|    |      |     |        |  |  |  |  |  |  |
|----|------|-----|--------|--|--|--|--|--|--|
|    |      |     |        |  |  |  |  |  |  |
| CE | RoHS | CSA | Gost R |  |  |  |  |  |  |

### Accessories

| Description              | Color                          | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|--------------------------------|--------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>  | BAM2   | 1SNA206351R1600 | 50      | 12.00            |
|                          |                                | BADL   | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections           | Grey <input type="checkbox"/>  | FEM6   | 1SNA118368R1600 | 20      | 2.40             |
| 3 Locking devices        | Blue <input type="checkbox"/>  | VRB3   | 1SNA128035R1600 | 10      |                  |
| 4 Clamps                 |                                | SFB1   | 1SNA163860R0500 | 50      | 12.00            |
|                          |                                | SFB2   | 1SNA168956R0600 | 50      | 11.00            |
| 5 Busbars                |                                | BO3    | 1SNA164406R2400 | 1       |                  |
| 6 Terminal block markers | White <input type="checkbox"/> | RC1010 | 1SNA238000R1600 | 1       | 1.30             |

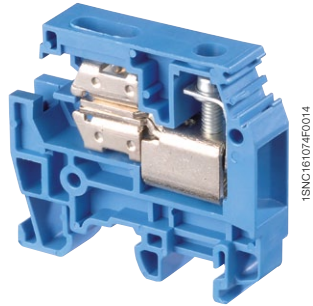
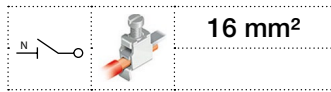
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



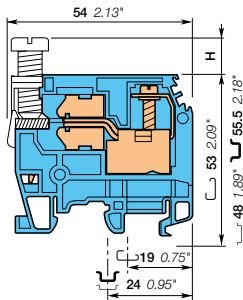
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only

# M16/12.NT screw clamp terminal blocks

## Neutral disconnect - 12 mm 0.472 in spacing

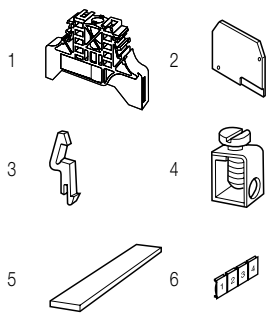


M16/12.NT



12 mm 0.472 in spacing

10



### Description

- Ease the disconnection of your neutral circuits,
- Compatible with screw clamp terminal blocks, wire size 2.5 mm<sup>2</sup> (5 mm 0.200 in spacing) to 16 mm<sup>2</sup> (12 mm 0.473 in spacing).

### Ordering details

| Description                             | Color                                    | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|---|--|------------|-----------------|---------|------------------|
| Neutral disconnect For busbar 10 x 3 mm | Blue <input checked="" type="checkbox"/> | M16/12.NT1 | 1SNA125593R0000 | 20      | 26.00            |

### Main technical data

|  |                                 | IEC                       | UL | CSA  | Mounting instructions  |   |
|--|---------------------------------|---------------------------|----|------|------------------------|---|
| 1 conductor per clamp                          | Rigid - Solid / Stranded        | 2.5-25 mm <sup>2</sup>    |    |      | Rail                   | G32, TH 35-7.5, TH 35-15  |
|  | Flexible with insulated ferrule | 2.5-16 mm <sup>2</sup>    |    |      | Wire stripping length  | 14 mm 0.51 in   |
|  | Gauge                           | B7                        |    |      | Screw clamp Tool       | Flat screwdriver<br>Ø 5.5 mm<br>Ø 0.22 in<br>1.2 - 1.4 N.m<br>10.6 - 12.3 lb.in |
| <b>Rated current / Rated cross section</b>     |                                 | 76 A / 16 mm <sup>2</sup> |    |      | Torque                 | Flat screwdriver<br>Ø 4 mm<br>Ø 0.16 in<br>0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in     |
| <b>Rated short-time withstand current (1s)</b> |                                 | 1920 A                    |    |      | Disconnect device Tool | Flat screwdriver<br>Ø 4 mm<br>Ø 0.16 in   |
| <b>Rated voltage</b>                           |                                 | 400 V                     |    |      | Torque                 | 0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in  |
| <b>Impulse withstand voltage</b>               |                                 | 6000 V                    |    |      |                        |   |
| <b>Protection</b>                              |                                 |                           |    | NEMA |                        |   |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |        |
|----|------|--------|
| CE | RoHS | Gost R |
|----|------|--------|

### Accessories

| Description              | Color                                    | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|--|--------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>            | BAM2   | 1SNA206351R1600 | 50      | 12.00            |
|                          |  | BADL   | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections           | Grey <input type="checkbox"/>            | FEM6   | 1SNA118368R1600 | 20      | 2.40             |
| 3 Locking devices        | Blue <input checked="" type="checkbox"/> | VRB3   | 1SNA128035R1600 | 10      |                  |
|                          |  | VRB6   | 1SNA128361R0100 | 20      |                  |
| 4 Clamps                 |  | SFB1   | 1SNA163860R0500 | 50      | 12.00            |
|                          |  | SFB2   | 1SNA168956R0600 | 50      | 11.00            |
| 5 Busbars                |  | BO3    | 1SNA164406R2400 | 1       |                  |
| 6 Terminal block markers | White <input type="checkbox"/>           | RC1010 | 1SNA238000R1600 | 1       | 1.30             |

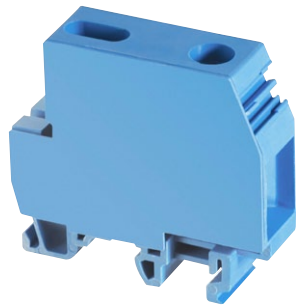
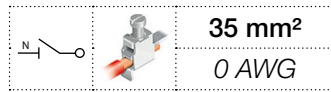
Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

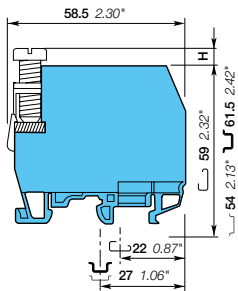
All the technical data for UL/CSA standard and dimensions in inches are in italic.  
Technical data valid for copper conductors only

# M35/16.NT screw clamp terminal blocks

## Neutral disconnect - 17 mm 0.669 in spacing



M35/16.NT



17 mm 0.669 in spacing

### Description

- Ease the disconnection of your neutral circuits,
- Close terminal block, no end section needed,
- Compatible with screw clamp terminal blocks, wire size 2.5 mm<sup>2</sup> (5 mm 0.200 in spacing) to 16 mm<sup>2</sup> (12 mm 0.473 in spacing).

### Ordering details

| Description                             | Color                                    | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|---|--|-----------|-----------------|---------|------------------|
| Neutral disconnect For busbar 10 x 3 mm | Blue <input checked="" type="checkbox"/> | M35/16.NT | 1SNA125358R0300 | 20      | 60.00            |

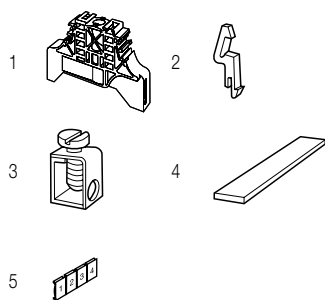
### Main technical data

|   |                                 | IEC                        | UL | CSA  | Mounting instructions  |   |
|---|---------------------------------|----------------------------|----|------|------------------------|---|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 10-50 mm <sup>2</sup>      |    |      | Rail                   | G32, TH 35-7.5, TH 35-15  |
|   | Flexible with insulated ferrule | 10-35 mm <sup>2</sup>      |    |      | Wire stripping length  | 17 mm 0.67 in   |
|   | Gauge                           | B9                         |    |      | Screw clamp Tool       | Flat screwdriver<br>Ø 6.5-7 mm<br>Ø 0.256 - 0.276 in<br>2.8 - 3 Nm<br>24.6 - 26.1 lb.in |
| Rated current / Rated cross section     |                                 | 125 A / 35 mm <sup>2</sup> |    |      | Torque                 | Flat screwdriver<br>Ø 5.5 mm<br>Ø 0.217 in<br>0.5 - 0.8 N.m<br>4.4 - 7.1 lb.in          |
| Rated short-time withstand current (1s) |                                 | 4200 A                     |    |      | Disconnect device Tool |   |
| Rated voltage                           |                                 | 400 V                      |    |      | Torque                 |   |
| Impulse withstand voltage               |                                 | 6000 V                     |    |      |                        |   |
| Protection                              |                                 |                            |    | NEMA |                        |   |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|
| <input checked="" type="checkbox"/> CE | <input checked="" type="checkbox"/> RoHS | <input checked="" type="checkbox"/> Gost R |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|

### Accessories



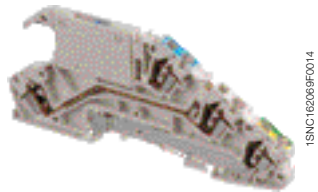
| Description              | Color                                    | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|--|--------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>            | BAM2   | 1SNA206351R1600 | 50      | 12.00            |
|                          |  | BADL   | 1SNA399903R0200 | 50      | 4.70             |
| 2 Locking devices        | Blue <input checked="" type="checkbox"/> | VRB3   | 1SNA128035R1600 | 10      |                  |
| 3 Clamps                 |  | SFB1   | 1SNA163860R0500 | 50      | 12.00            |
|                          |  | SFB2   | 1SNA168956R0600 | 50      | 11.00            |
| 4 Busbars                |  | BO3    | 1SNA164406R2400 | 1       |                  |
| 5 Terminal block markers | White <input type="checkbox"/>           | RC1010 | 1SNA238000R1600 | 1       | 1.30             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

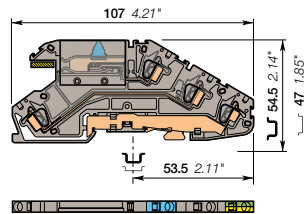
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D2.5/5.NTLP.L spring terminal blocks

## Installation - 5 mm 0.197 in spacing



D2.5/5.NTLP.L



5 mm 0.197 in spacing

### Description

- Specially developed for TN-C-S Network,
- Easy disconnection of neutral for isolation,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation,
- Save space with compact angled terminal blocks.

### Ordering details

| Description  | Color  | Type                     | Order code    | Pkg pce         | Weight (1 pce) g |
|--------------|--|--------------------------|---------------|-----------------|------------------|
| Installation | Disconnect neutral with busbar connection + feed-through + ground circuits | Grey, blue, green-yellow | D2.5/5.NTLP.L | 1SNA290322R0100 | 40<br>15.00      |

### Main technical data

|   | IEC   | UL                       | CSA       |
|---|---|--------------------------|-----------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded                          | 0.14-4 mm <sup>2</sup>   | 26-12 AWG |
|   | Flexible  | 0.14-2.5 mm <sup>2</sup> |           |
|   | with non insulated ferrule with insulated ferrule | 0.5-2.5 mm <sup>2</sup>  |           |
| Gauge                                   | A2  |                          |           |
| Rated current / Rated cross section     | 20 A / 2.5 mm <sup>2</sup>                        | 20 A / 12 AWG            |           |
| Rated short-time withstand current (1s) | 300 A   |                          |           |
| Rated voltage                           | 250 V   | 300 V                    |           |
| Impulse withstand voltage               | 4000 V  |                          |           |
| Protection                              | IP20  | NEMA 1                   |           |

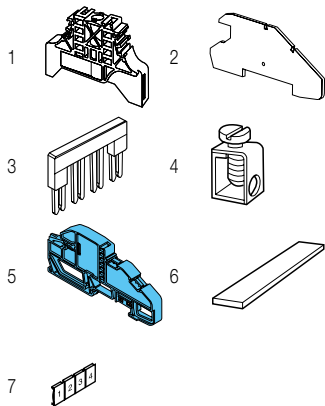
### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | TH 35-7.5, TH 35-15                        |
| Wire stripping length |  | 9.5 mm<br>0.37 in                          |
| Tool                  |  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



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### Accessories

| Description                | Color    | Type      | Order code      | Pkg pce         | Weight (1 pce) g |      |
|----------------------------|----------|-----------|-----------------|-----------------|------------------|------|
| 1 End stops                | Grey □   | BADL      | 1SNA399903R0200 | 50              | 4.70             |      |
|                            |          | BAM2      | 1SNA206351R1600 | 50              | 12.00            |      |
| 2 End sections             | Grey □   | FED5.L.A  | 1SNA291559R0400 | 20              | 5.50             |      |
| 3 Jumper bars              | Orange ■ | 2 poles   | BJDL5-2         | 1SNA291102R2300 | 50               | 1.00 |
|                            |          | 3 poles   | BJDL5-3         | 1SNA291103R2400 | 50               | 0.70 |
|                            |          | 4 poles   | BJDL5-4         | 1SNA291104R2500 | 50               | 0.80 |
|                            |          | 5 poles   | BJDL5-5         | 1SNA291105R2600 | 20               | 0.90 |
|                            |          | 10 poles  | BJDL5-10        | 1SNA291110R2600 | 20               | 1.20 |
|                            |          | 4 Clamps  |                 | SFB1            | 1SNA163860R0500  | 50   |
|                            |          | SFB2      | 1SNA168956R0600 | 50              | 11.00            |      |
| 5 Distribution bar holders | Blue ■   | SPBO.NT.L | 1SNA399886R2100 | 20              | 12.00            |      |
| 6 Busbars                  |          | BO3       | 1SNA164406R2400 | 1               |                  |      |
| 7 Terminal block markers   | White □  | RC55      | 1SNA230000R1200 | 1               | 2.90             |      |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

### Installation spring terminal blocks

| Description  | Color                   | Type   | Order code  | Pkg pce         | Weight (1 pce) g |
|--------------|-------------------------|--------|-------------|-----------------|------------------|
| Installation | 2 feed-through circuits | Grey □ | D2.5/5.LL.L | 1SNA290328R1700 | 40<br>13.00      |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.



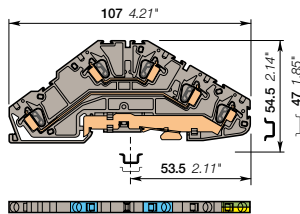
# D2.5/5.NLP.L spring terminal blocks

## Installation - 5 mm 0.197 in spacing



1SNC162039S0201

D2.5/5.NLP.L



5 mm 0.197 in spacing

### Description

- Specially developed for TN-C-S Network,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation,
- Save space with compact angled terminal blocks.

### Ordering details

| Description   | Color                    | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|---|--------------------------|--------------|-----------------|---------|------------------|
| Installation Neutral + feed-through + ground circuits | Grey, blue, Green-yellow | D2.5/5.NLP.L | 1SNA290324R0300 | 40      | 17.00            |

### Main technical data

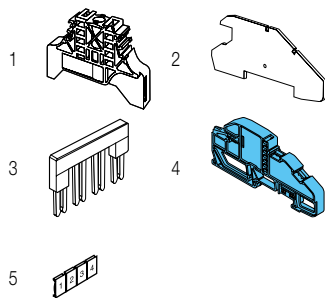
|  | IEC  | UL  | CSA       |  |
|--|--|---|-----------|--|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded Flexible<br>with non insulated ferrule<br>with insulated ferrule<br>Gauge | 0.14-4 mm <sup>2</sup><br>0.14-2.5 mm <sup>2</sup><br>0.5-2.5 mm <sup>2</sup><br>A2 | 26-12 AWG |  |
| <b>Rated current / Rated cross section</b>     | 24 A / 2.5 mm <sup>2</sup>   | 20 A / 12 AWG   |           |  |
| <b>Rated short-time withstand current (1s)</b> | 300 A  |   |           |  |
| <b>Rated voltage</b>                           | 250 V  | 300 V   |           |  |
| <b>Impulse withstand voltage</b>               | 4000 V   |   |           |  |
| <b>Protection</b>                              | IP20   | NEMA 1  |           |  |

### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | TH 35-7.5,<br>TH 35-15                     |
| Wire stripping length |  | 9.5 mm<br>0.37 in                          |
| Tool                  |  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

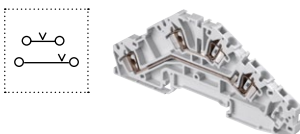
|      |      |    |    |     |     |      |      |    |    |     |     |
|------|------|----|----|-----|-----|------|------|----|----|-----|-----|
| RoHS | RoHS | UL | UL | CSA | CSA | RoHS | RoHS | UL | UL | CSA | CSA |
|------|------|----|----|-----|-----|------|------|----|----|-----|-----|



### Accessories

| Description                                | Color  | Type   | Order code  | Pkg pce | Weight (1 pce) g                     |
|--|--------|--|---|---------|--------------------------------------|
| <b>1 End stops</b>                         | Grey   | BADL<br>BAM2   | 1SNA399903R0200<br>1SNA206351R1600  | 50      | 4.70<br>12.00                        |
| <b>2 End sections</b>                      | Grey   | FED5.L.B   | 1SNA291560R0100   | 20      | 5.50                                 |
| <b>3 Jumper bars</b>                       | Orange | BJDL5-2<br>BJDL5-3<br>BJDL5-4<br>BJDL5-5<br>BJDL5-10 | 1SNA291102R2300<br>1SNA291103R2400<br>1SNA291104R2500<br>1SNA291105R2600<br>1SNA291110R2600 | 50      | 1.00<br>0.70<br>0.80<br>0.90<br>1.20 |
| <b>4 Distribution bar holders</b>          | Blue   | SPBO.NTL   | 1SNA399886R2100   | 20      | 12.00                                |
| <b>5 Terminal block markers</b> Blank card | White  | RC55   | 1SNA230000R1200   | 1       | 2.90                                 |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



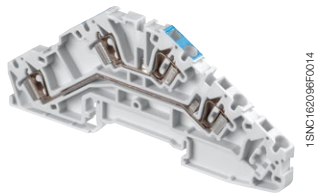
### Installation spring terminal blocks

| Description                          | Color | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------------|-------|--------------|-----------------|---------|------------------|
| Installation 2 feed-through circuits | Grey  | D2.5/5.LLL.L | 1SNA290328R1700 | 40      | 13.00            |

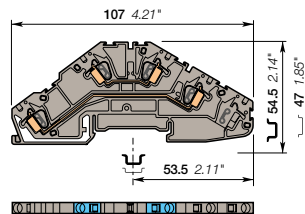
All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

# D2.5/5.NL.L spring terminal blocks

## Installation - 5 mm 0.197 in spacing



D2.5/5.NL.L



5 mm 0.197 in spacing

### Description

- Specially developed for TN-C-S Network,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation,
- Save space with compact angled terminal blocks.

### Ordering details

| Description                                  | Color      | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|--|------------|-------------|-----------------|---------|------------------|
| Installation Neutral + feed-through circuits | Grey, blue | D2.5/5.NL.L | 1SNA290330R1500 | 40      | 13.00            |

### Main technical data

|  |                            | IEC                        | UL            | CSA |
|--|----------------------------|----------------------------|---------------|-----|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded   | 0.14-4 mm <sup>2</sup>     | 26-12 AWG     |     |
|  | Flexible                   | 0.14-2.5 mm <sup>2</sup>   |               |     |
|  | with non insulated ferrule |                            |               |     |
|  | with insulated ferrule     | 0.5-2.5 mm <sup>2</sup>    |               |     |
| <b>Gauge</b>                                   |                            | A2                         |               |     |
| <b>Rated current / Rated cross section</b>     |                            | 24 A / 2.5 mm <sup>2</sup> | 20 A / 12 AWG |     |
| <b>Rated short-time withstand current (1s)</b> |                            | 300 A                      |               |     |
| <b>Rated voltage</b>                           |                            | 400 V                      | 300 V         |     |
| <b>Impulse withstand voltage</b>               |                            | 6000 V                     |               |     |
| <b>Protection</b>                              |                            | IP20                       | NEMA 1        |     |

### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | TH 35-7.5, TH 35-15                        |
| Wire stripping length |  | 9.5 mm 0.37 in                             |
| Tool                  |  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |

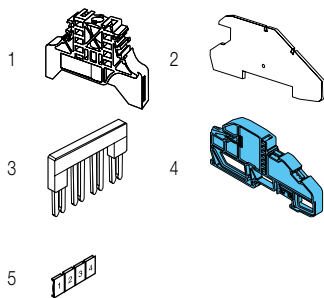
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Accessories

| Description                       | Color  | Type      | Order code      | Pkg pce         | Weight (1 pce) g |      |
|-----------------------------------|--------|-----------|-----------------|-----------------|------------------|------|
| 1 <b>End stops</b>                | Grey   | BADL      | 1SNA399903R0200 | 50              | 4.70             |      |
|                                   |        | BAM2      | 1SNA206351R1600 | 50              | 12.00            |      |
| 2 <b>End sections</b>             | Grey   | FED5.L.B  | 1SNA291560R0100 | 20              | 5.50             |      |
| 3 <b>Jumper bars</b>              | Orange | 2 poles   | BJDL5-2         | 1SNA291102R2300 | 50               | 1.00 |
|                                   |        | 3 poles   | BJDL5-3         | 1SNA291103R2400 | 50               | 0.70 |
|                                   |        | 4 poles   | BJDL5-4         | 1SNA291104R2500 | 50               | 0.80 |
|                                   |        | 5 poles   | BJDL5-5         | 1SNA291105R2600 | 20               | 0.90 |
|                                   |        | 10 poles  | BJDL5-10        | 1SNA291110R2600 | 20               | 1.20 |
| 4 <b>Distribution bar holders</b> | Blue   | SPBO.NT.L | 1SNA399886R2100 | 20              | 12.00            |      |
| 5 <b>Terminal block markers</b>   | White  | RC55      | 1SNA230000R1200 | 1               | 2.90             |      |

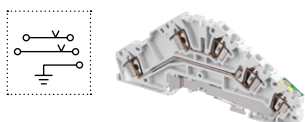
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



### Installation spring terminal blocks

| Description                                   | Color              | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|---|--------------------|-------------|-----------------|---------|------------------|
| Installation 2 feed-through + ground circuits | Grey, green-yellow | D2.5/5.LLPL | 1SNA290326R0500 | 40      | 17.00            |

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

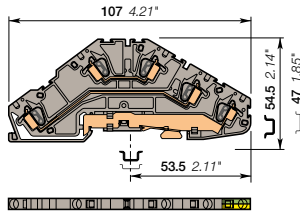


# D2.5/5.LLP.L spring terminal blocks

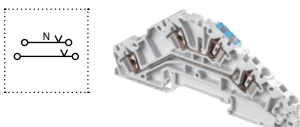
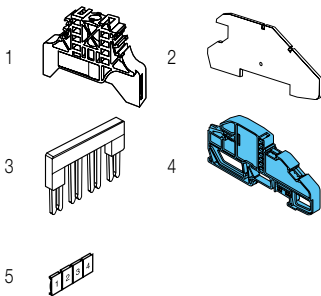
## Installation - 5 mm 0.197 in spacing



D2.5/5.LLP.L



5 mm 0.197 in spacing



### Description

- Specially developed for TN-C-S Network,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation,
- Save space with compact angled terminal blocks.

### Ordering details

| Description                                   | Color              | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|---|--------------------|--------------|-----------------|---------|------------------|
| Installation 2 feed-through + ground circuits | Grey, Green-yellow | D2.5/5.LLP.L | 1SNA290326R0500 | 40      | 17.00            |

### Main technical data

|   |                                     | IEC                        | UL            | CSA | Mounting instructions |                                      |
|---|-------------------------------------|----------------------------|---------------|-----|-----------------------|--------------------------------------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded            | 0.14-4 mm <sup>2</sup>     | 26-12 AWG     |     | Rail                  | TH 35-7.5, TH 35-15                  |
|   | Flexible with non insulated ferrule | 0.14-2.5 mm <sup>2</sup>   |               |     | Wire stripping length | 9.5 mm 0.37 in                       |
|   | with insulated ferrule Gauge        | 0.5-2.5 mm <sup>2</sup> A2 |               |     | Tool                  | Flat screwdriver Ø 3.5 mm Ø 0.138 in |
| Rated current / Rated cross section     |                                     | 24 A / 2.5 mm <sup>2</sup> | 20 A / 12 AWG |     |                       |                                      |
| Rated short-time withstand current (1s) |                                     | 300 A                      |               |     |                       |                                      |
| Rated voltage                           |                                     | 250 V                      | 300 V         |     |                       |                                      |
| Impulse withstand voltage               |                                     | 4000 V                     |               |     |                       |                                      |
| Protection                              |                                     | IP20                       | NEMA 1        |     |                       |                                      |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |    |     |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------|----|-----|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| RoHS | UL | CCC | Gost R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------|----|-----|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

### Accessories

| Description                | Color  | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|----------------------------|--------|----------|-----------------|---------|------------------|
| 1 End stops                | Grey   | BADL     | 1SNA399903R0200 | 50      | 4.70             |
|                            |        | BAM2     | 1SNA206351R1600 | 50      | 12.00            |
| 2 End sections             | Grey   | FED5.L.B | 1SNA291560R0100 | 20      | 5.50             |
| 3 Jumper bars              | Orange | BJDL5-2  | 1SNA291102R2300 | 50      | 1.00             |
|                            |        | BJDL5-3  | 1SNA291103R2400 | 50      | 0.70             |
|                            |        | BJDL5-4  | 1SNA291104R2500 | 50      | 0.80             |
|                            |        | BJDL5-5  | 1SNA291105R2600 | 20      | 0.90             |
|                            |        | BJDL5-10 | 1SNA291110R2600 | 20      | 1.20             |
|                            |        |          |                 |         |                  |
| 4 Distribution bar holders | Blue   | SPBO.NTL | 1SNA399886R2100 | 20      | 12.00            |
| 5 Terminal block markers   | White  | RC55     | 1SNA230000R1200 | 1       | 2.90             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

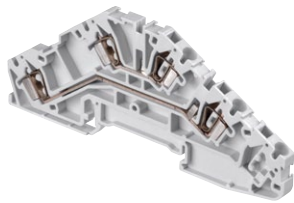
### Installation spring terminal blocks

| Description                                  | Color      | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|--|------------|------------|-----------------|---------|------------------|
| Installation Neutral + feed-through circuits | Grey, blue | D2.5/5.NLL | 1SNA290330R1500 | 40      | 13.00            |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

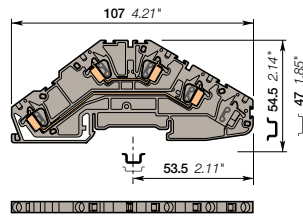
# D2.5/5.LL.L spring terminal blocks

## Installation - 5 mm 0.197 in spacing



1SNC162042S02014

D2.5/5.LL.L



5 mm 0.197 in spacing

### Description

- Specially developed for TN-C-S Network,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation,
- Save space with compact angled terminal blocks.

### Ordering details

| Description                          | Color                         | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------------------|-------------------------------|-------------|-----------------|---------|------------------|
| Installation 2 feed-through circuits | Grey <input type="checkbox"/> | D2.5/5.LL.L | 1SNA290328R1700 | 40      | 13.00            |

### Main technical data

|   | IEC                        | UL                       | CSA       |
|---|----------------------------|--------------------------|-----------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded   | 0.14-4 mm <sup>2</sup>   | 26-12 AWG |
|   | Flexible                   | 0.14-2.5 mm <sup>2</sup> |           |
|   | with non insulated ferrule | 0.5-2.5 mm <sup>2</sup>  |           |
|   | with insulated ferrule     | A2                       |           |
| Gauge                                   |                            |                          |           |
| Rated current / Rated cross section     | 24 A / 2.5 mm <sup>2</sup> | 20 A / 12 AWG            |           |
| Rated short-time withstand current (1s) | 300 A                      |                          |           |
| Rated voltage                           | 400 V                      | 300 V                    |           |
| Impulse withstand voltage               | 6000 V                     |                          |           |
| Protection                              | IP20                       | NEMA 1                   |           |

### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | TH 35-7.5, TH 35-15                        |
| Wire stripping length |  | 9.5 mm 0.37 in                             |
| Tool                  |  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |

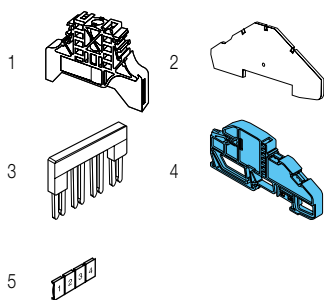
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>



### Accessories

| Description                | Color                           | Type         | Order code      | Pkg pce         | Weight (1 pce) g |      |
|----------------------------|---------------------------------|--------------|-----------------|-----------------|------------------|------|
| 1 End stops                | Grey <input type="checkbox"/>   | BADL         | 1SNA399903R0200 | 50              | 4.70             |      |
|                            |                                 | BAM2         | 1SNA206351R1600 | 50              | 12.00            |      |
| 2 End sections             | Grey <input type="checkbox"/>   | FED5.L.B     | 1SNA291560R0100 | 20              | 4.75             |      |
| 3 Jumper bars              | Orange <input type="checkbox"/> | 2 poles 24 A | 1SNA291102R2300 | 50              | 1.00             |      |
|                            |                                 | 3 poles      | BJDL5-3         | 1SNA291103R2400 | 50               | 0.70 |
|                            |                                 | 4 poles      | BJDL5-4         | 1SNA291104R2500 | 50               | 0.80 |
|                            |                                 | 5 poles      | BJDL5-5         | 1SNA291105R2600 | 20               | 0.90 |
|                            |                                 | 10 poles     | BJDL5-10        | 1SNA291110R2600 | 20               | 1.20 |
| 4 Distribution bar holders | Blue <input type="checkbox"/>   | SPBO.NT.L    | 1SNA399886R2100 | 20              | 12.00            |      |
| 5 Terminal block markers   | White <input type="checkbox"/>  | RC55         | 1SNA230000R1200 | 1               | 2.90             |      |

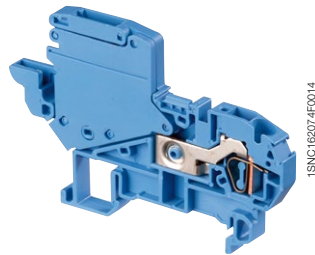
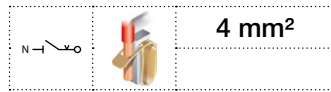
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



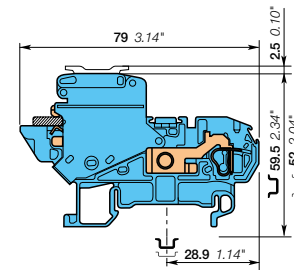
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# D4/6.NT.L spring terminal blocks

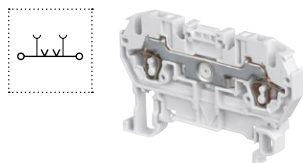
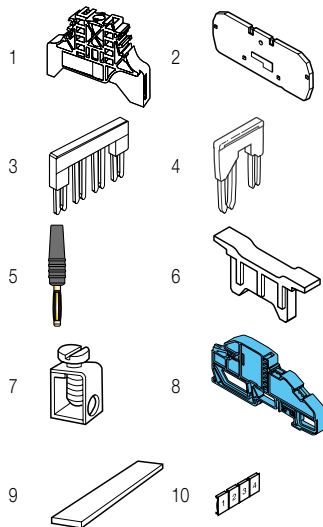
## Neutral disconnect - 6 mm 0.236 in spacing



D4/6.NT.L



6 mm 0.236 in spacing



### Description

- Specially developed for TN-C-S Network,
- Easy disconnection of neutral for isolation,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

### Ordering details

| Description   | Color | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------|-----------|-----------------|---------|------------------|
| Neutral disconnect With busbar connection<br>Busbar : 10 x 3 mm<br>0.394 x 0.118 in | Blue  | D4/6.NT.L | 1SNA399586R2400 | 50      | 18.00            |

### Main technical data

|  | IEC   | UL   | CSA | Mounting instructions                                   |
|--|---|--|-----|---|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible<br>with non insulated ferrule<br>with insulated ferrule<br>Gauge | 0.2-6 mm <sup>2</sup><br>0.22-4 mm <sup>2</sup><br>0.5-2.5 mm <sup>2</sup><br>A4 |     |   |
| <b>Rated current / Rated cross section</b>     | 32 A / 4.0 mm <sup>2</sup>  |  |     | <b>Rail</b><br>TH 35-7.5,<br>TH 35-15                   |
| <b>Rated short-time withstand current (1s)</b> | 480 A   |  |     | <b>Wire stripping length</b><br>11 mm<br>0.43 in        |
| <b>Rated voltage</b>                           | 400 V   |  |     | <b>Tool</b><br>Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| <b>Impulse withstand voltage</b>               | 6000 V  |  |     |   |
| <b>Protection</b>                              | IP20  | NEMA 1   |     |   |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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| RoHS | Gost R |  |  |  |  |
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### Accessories

| Description                       | Color  | Type   | Order code   | Pkg pce              | Weight (1 pce) g             |
|-----------------------------------|--------|--|--|----------------------|------------------------------|
| <b>1 End stops</b>                | Grey   | BADL<br>BAM2   | 1SNA399903R0200<br>1SNA206351R1600                                       | 50<br>50             | 4.70<br>12.00                |
| <b>2 End sections</b>             | Blue   | FED6.NL  | 1SNA399588R0600  | 20                   | 1.60                         |
| <b>3 Jumper bars</b>              | Orange | BJDL6-2<br>BJDL6-3<br>BJDL6-4<br>BJDL6-5               | 1SNA291128R2400<br>1SNA291129R2500<br>1SNA291194R1700<br>1SNA291195R1000 | 50<br>50<br>50<br>20 | 0.30<br>0.40<br>0.50<br>0.60 |
| <b>4 Cross spacing jumpers</b>    | Orange | BJDPL5.6-2<br>BJDPL6.8-2<br>BJDPL6.10-2<br>BJDPL6.12-2 | 1SNA291150R0600<br>1SNA291170R0200<br>1SNA291482R1000<br>1SNA399613R0600 | 20<br>20<br>20<br>20 | 0.20<br>0.20<br>1.00<br>3.10 |
| <b>5 Test plugs</b>               | Black  | FC2.MC   | 1SNA107239R0300  | 20                   | 1.00                         |
| <b>6 Locking devices</b>          | Orange | VRPA1  | 1SNA399587R2500  | 20                   | 3.00                         |
| <b>7 Clamps</b>                   |        | SFB1<br>SFB2   | 1SNA163860R0500<br>1SNA168956R0600                                       | 50<br>50             | 12.00<br>11.00               |
| <b>8 Distribution bar holders</b> | Blue   | SPBO.NT.L  | 1SNA399886R2100  | 20                   | 12.00                        |
| <b>9 Busbars</b>                  |        | BO3  | 1SNA164406R2400  | 1                    |                              |
| <b>10 Terminal block markers</b>  | White  | RC610  | 1SNA233000R0100  | 1                    | 7.50                         |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

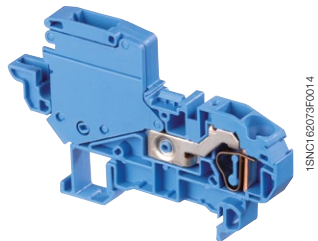
### Feed-through spring terminal blocks

| Description                | Color | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|----------------------------|-------|---------|-----------------|---------|------------------|
| Feed-through 2 connections | Grey  | D4/6.2L | 1SNA290061R0700 | 50      | 8.00             |

All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

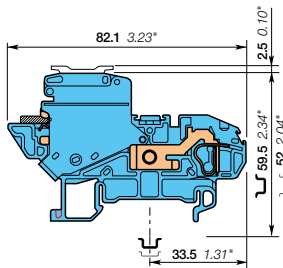
# D6/8.NT.L spring terminal blocks

## Neutral disconnect - 8 mm 0.315 in spacing



1SNC162079C0014

D6/8.NT.L



8 mm 0.315 in spacing

### Description

- Specially developed for TN-C-S Network,
- Easy disconnection of neutral for isolation,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

### Ordering details

| Description   | Color                                  | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|---|--|-----------|-----------------|---------|------------------|
| Neutral disconnect With busbar connection<br>Busbar : 10 x 3 mm<br>0.394 x 0.118 in | Blue <span style="color:blue">■</span> | D6/8.NT.L | 1SNA399589R0700 | 50      | 25.00            |

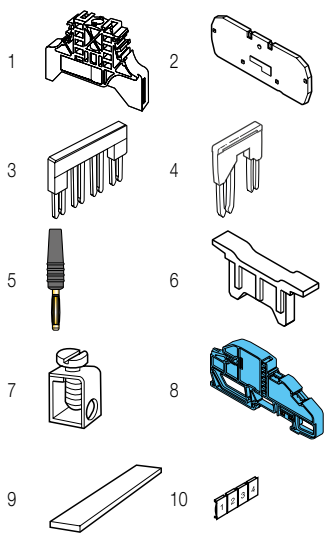
### Main technical data

|   | IEC                                 | UL                     | CSA | Mounting instructions |  |
|---|-------------------------------------|------------------------|-----|-----------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded            | 0.5-10 mm <sup>2</sup> |     | Rail                  | TH 35-7.5, TH 35-15                        |
|   | Flexible with non insulated ferrule | 0.5-6 mm <sup>2</sup>  |     | Wire stripping length | 13 mm 0.53 in                              |
|   | with insulated ferrule              | 0.5-4 mm <sup>2</sup>  |     | Tool                  | Flat screwdriver<br>Ø 5.5 mm<br>Ø 0.217 in |
|   | Gauge                               | A5                     |     |                       |  |
| Rated current / Rated cross section     | 41 A / 6.0 mm <sup>2</sup>          |                        |     |                       |  |
| Rated short-time withstand current (1s) | 720 A                               |                        |     |                       |  |
| Rated voltage                           | 400 V                               |                        |     |                       |  |
| Impulse withstand voltage               | 6000 V                              |                        |     |                       |  |
| Protection                              | IP20                                | NEMA 1                 |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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| RoHS <small>RoHS</small> |  |  |  |  |  |
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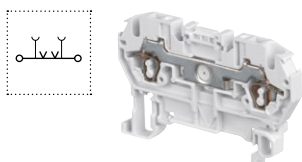
10



### Accessories

| Description                | Color                                      | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|----------------------------|--|-------------|-----------------|---------|------------------|
| 1 End stops                | Grey <span style="color:grey">■</span>     | BADL        | 1SNA399903R0200 | 50      | 4.70             |
|                            |  | BAM2        | 1SNA206351R1600 | 50      | 12.00            |
| 2 End sections             | Blue <span style="color:blue">■</span>     | FED8.NL     | 1SNA399590R0400 | 20      | 1.60             |
| 3 Jumper bars              | Orange <span style="color:orange">■</span> | BJDL8-2     | 1SNA291122R1600 | 50      | 0.20             |
|                            |  | BJDL8-3     | 1SNA291123R1700 | 50      | 0.40             |
|                            |  | BJDL8-4     | 1SNA291144R2400 | 50      | 0.50             |
|                            |  | BJDL8-5     | 1SNA291145R2500 | 20      | 3.90             |
| 4 Cross spacing jumpers    | Orange <span style="color:orange">■</span> | BJDPL6.8-2  | 1SNA291170R0200 | 20      | 0.20             |
|                            |  | BJDPL8.10-2 | 1SNA291484R1200 | 20      | 1.50             |
| 5 Test plugs               | Black <span style="color:black">■</span>   | FC2.MC      | 1SNA107239R0300 | 20      | 1.00             |
| 6 Locking devices          | Orange <span style="color:orange">■</span> | VRPA1       | 1SNA399587R2500 | 20      | 3.00             |
| 7 Clamps                   |  | SFB1        | 1SNA163860R0500 | 50      | 12.00            |
|                            |  | SFB2        | 1SNA168956R0600 | 50      | 11.00            |
| 8 Distribution bar holders | Blue <span style="color:blue">■</span>     | SPBO.NT.L   | 1SNA399886R2100 | 20      | 12.00            |
| 9 Busbars                  |  | BO3         | 1SNA164406R2400 | 1       |                  |
| 10 Terminal block markers  | White <span style="color:white">■</span>   | RC810       | 1SNA234000R0200 | 1       | 8.20             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



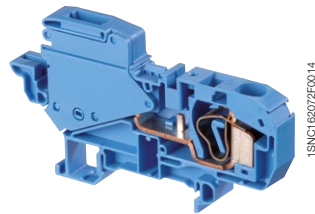
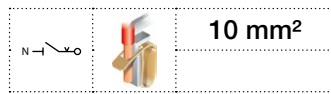
### Feed-through spring terminal blocks

| Description                | Color                                  | Type    | Order code      | Pkg pce | Weight (1 pce) g |
|----------------------------|--|---------|-----------------|---------|------------------|
| Feed-through 2 connections | Grey <span style="color:grey">■</span> | D6/8.2L | 1SNA290081R2400 | 50      | 12.00            |

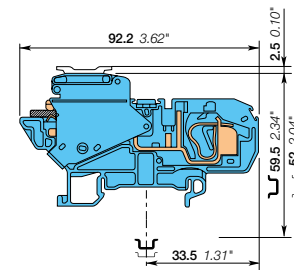
All the technical data for UL/CSA standard and dimensions in inches are in *italics*. Technical data valid for copper conductors only.

# D10/10.NT.L spring terminal blocks

## Neutral disconnect - 10 mm 0.394 in spacing



D10/10.NT.L



10 mm 0.394 in spacing

### Description

- Specially developed for TN-C-S Network,
- Easy disconnection of neutral for isolation,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

### Ordering details

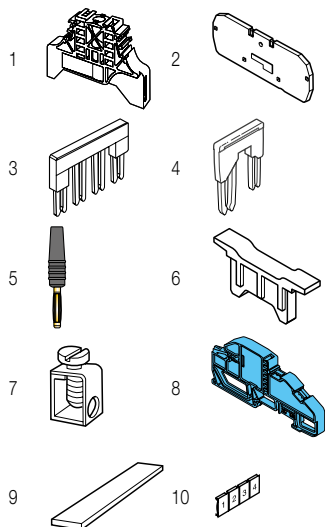
| Description   | Color | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------|-------------|-----------------|---------|------------------|
| Neutral disconnect With busbar connection<br>Busbar : 10 x 3 mm<br>0.394 x 0.118 in | Blue  | D10/10.NT.L | 1SNA399591R2100 | 25      | 37.00            |

### Main technical data

|  | IEC   | UL   | CSA | Mounting instructions                              |
|--|---|--|-----|--|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible<br>with non insulated ferrule<br>with insulated ferrule<br>Gauge | 0.5-16 mm <sup>2</sup><br>0.5-10 mm <sup>2</sup><br>0.5-10 mm <sup>2</sup><br>A6 |     |  |
| <b>Rated current / Rated cross section</b>     | 57 A / 10.0 mm <sup>2</sup>   |  |     | Rail<br>TH 35-7.5,<br>TH 35-15                     |
| <b>Rated short-time withstand current (1s)</b> | 1200 A  |  |     | Wire stripping length<br>12.5 mm<br>0.49 in        |
| <b>Rated voltage</b>                           | 400 V   |  |     | Tool<br>Flat screwdriver<br>Ø 5.5 mm<br>Ø 0.217 in |
| <b>Impulse withstand voltage</b>               | 6000 V  |  |     |  |
| <b>Protection</b>                              | IP20  | NEMA 1   |     |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |        |  |  |  |  |  |  |  |  |
|------|--------|--|--|--|--|--|--|--|--|
| RoHS | Gost R |  |  |  |  |  |  |  |  |
|------|--------|--|--|--|--|--|--|--|--|



### Accessories

| Description                       | Color  | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|-----------------------------------|--------|-------------|-----------------|---------|------------------|
| <b>1 End stops</b>                | Grey   | BADL        | 1SNA399903R0200 | 50      | 4.70             |
|                                   |        | BAM2        | 1SNA206351R1600 | 50      | 12.00            |
| <b>2 End sections</b>             | Blue   | FED10.NL    | 1SNA399592R2200 | 20      | 4.50             |
| <b>3 Jumper bars</b>              | Orange | BJDL1.10.2  | 1SNA291472R2500 | 50      | 2.45             |
|                                   |        | BJDL1.10.3  | 1SNA291474R2700 | 50      | 3.65             |
|                                   |        | BJDL1.10.4  | 1SNA291476R2100 | 50      | 4.86             |
|                                   |        | BJDL1.10.5  | 1SNA291478R0300 | 50      | 6.05             |
| <b>4 Cross spacing jumpers</b>    | Orange | BJDPL5.10-2 | 1SNA291480R2200 | 20      | 0.50             |
|                                   |        | BJDPL6.10-2 | 1SNA291482R1000 | 20      | 1.00             |
|                                   |        | BJDPL8.10-2 | 1SNA291484R1200 | 20      | 1.50             |
| <b>5 Test plugs</b>               | Black  | FC2.MC      | 1SNA107239R0300 | 20      | 1.00             |
| <b>6 Locking devices</b>          | Orange | VRPA1       | 1SNA399587R2500 | 20      | 3.00             |
| <b>7 Clamps</b>                   |        | SFB1        | 1SNA163860R0500 | 50      | 12.00            |
|                                   |        | SFB2        | 1SNA168956R0600 | 50      | 11.00            |
| <b>8 Distribution bar holders</b> | Blue   | SPBO.NTL    | 1SNA399886R2100 | 20      | 12.00            |
| <b>9 Busbars</b>                  |        | BO3         | 1SNA164406R2400 | 1       | 12.00            |
| <b>10 Terminal block markers</b>  | White  | RC1010      | 1SNA238000R1600 | 1       | 1.30             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.





# Solution series, terminal blocks

## Protection



Overview 232

### Screw clamp technology

#### Ground + neutral

|                    |             |     |
|--------------------|-------------|-----|
| 10 mm <sup>2</sup> | M10/10.PE.N | 233 |
| 16 mm <sup>2</sup> | M16/12.PE.N | 234 |
| 35 mm <sup>2</sup> | M35/16.PE.N | 235 |

### Spring clamp technology

#### Ground + neutral

|                    |               |     |
|--------------------|---------------|-----|
| 16 mm <sup>2</sup> | D16/12.PEN.2L | 236 |
| 35 mm <sup>2</sup> | D35/16.PEN.2L | 237 |

# Solution series, terminal blocks

## Protection

### Screw clamp technology



**PEN**



**Feed-through**

**Section**

IEC      UL/CSA



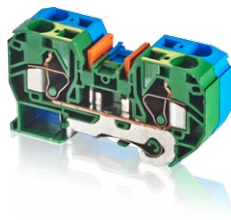
|                          |  |                                   |                              |
|--------------------------|--|-----------------------------------|------------------------------|
| <b>10 mm<sup>2</sup></b> |  | <b>M10/10.PE.N</b> 20 mm 0.787 in | <b>M10/10</b> 10 mm 0.394 in |
| <b>16 mm<sup>2</sup></b> |  | <b>M16/12.PE.N</b> 24 mm 0.945 in | <b>M16/12</b> 12 mm 0.472 in |
| <b>35 mm<sup>2</sup></b> |  | <b>M35/16.PE.N</b> 32 mm 1.260 in | <b>M35/16</b> 16 mm 0.630 in |

Main catalog  
SNA series, terminal blocks

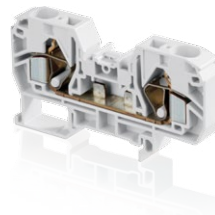


### Spring clamp technology

11



**PEN**



**Feed-through**

**Section**

IEC      UL/CSA



|                          |  |                                     |                                 |
|--------------------------|--|-------------------------------------|---------------------------------|
| <b>16 mm<sup>2</sup></b> |  | <b>D16/12.PEN.2L</b> 24 mm 0.945 in | <b>D16/12.2L</b> 12 mm 0.472 in |
| <b>35 mm<sup>2</sup></b> |  | <b>D35/16.PEN.2L</b> 32 mm 1.260 in | <b>D35/16.2L</b> 16 mm 0.630 in |

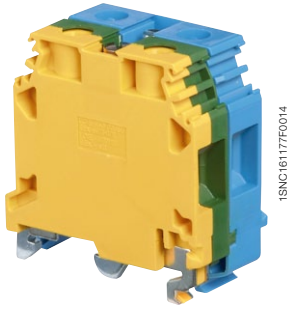
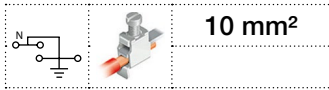
Main catalog  
SNA series, terminal blocks



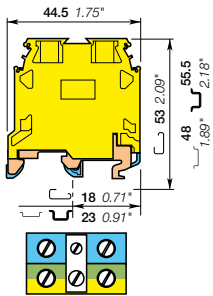
All the technical data for UL/CSA standard and dimensions in inches are in italic.

# M10/10.PE.N screw clamp terminal blocks

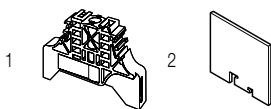
## Ground + neutral - 20 mm 0.787 in spacing



M10/10.PE.N



20 mm 0.787 in spacing



### Description

- Simplify your PE.N connection with M10/10.P block connected to M10/10.N block through a pre-mounted jumper,
- Adapted to TNS and TNC-S electrical network.

### Ordering details

| Description      | Color              | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|------------------|--------------------|-------------|-----------------|---------|------------------|
| Ground + neutral | Green-yellow, blue | M10/10.PE.N | 1SNA165683R2200 | 20      | 53.00            |

### Main technical data

|   |                                 | IEC                    | UL | CSA | Mounting instructions      |   |
|---|---------------------------------|------------------------|----|-----|----------------------------|---|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.5-16 mm <sup>2</sup> |    |     | Rail                       | G32, TH 35-7.5, TH 35-15                  |
|   | Flexible with insulated ferrule | 0.5-10 mm <sup>2</sup> |    |     | Wire stripping length      | 12 mm<br>0.47 in                          |
|   | Gauge                           | B6                     |    |     | Screw clamp Tool           | Flat screwdriver<br>Ø 5.5 mm<br>Ø 0.22 in |
| Rated cross section                     |                                 | 10 mm <sup>2</sup>     |    |     | Torque                     | 1.2 - 1.4 N.m<br>10.6 - 12.3 lb.in        |
| Rated short-time withstand current (1s) |                                 | 1200 A                 |    |     | Rail connection screw Tool | Flat screwdriver<br>Ø 4 mm<br>Ø 0.16 in   |
|   |                                 |                        |    |     | Torque                     | 0.8 N.m<br>7.1 lb.in                      |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |    |        |  |  |  |  |  |  |
|----|------|----|--------|--|--|--|--|--|--|
| CE | RoHS | PC | Gost R |  |  |  |  |  |  |
|----|------|----|--------|--|--|--|--|--|--|

### Accessories

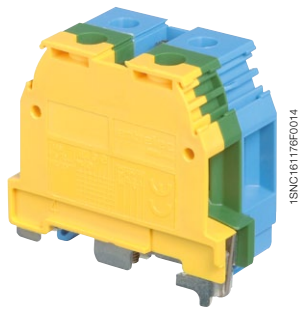
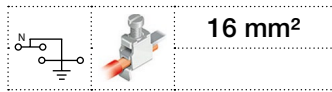
| Description          | Color | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|----------------------|-------|--------|-----------------|---------|------------------|
| 1 End stops          | Grey  | BAM2   | 1SNA206351R1600 | 50      | 12.00            |
|                      |       | BADL   | 1SNA399903R0200 | 50      | 4.70             |
| 2 Circuit separators | Grey  | SCFEX1 | 1SNA103619R0400 | 10      | 30.00            |
|                      |       | SCFEX3 | 1SNA103620R0100 | 10      | 30.00            |
|                      |       | SCFM6  | 1SNA114825R0500 | 20      | 4.00             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

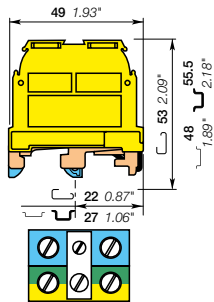
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# M16/12.PE.N screw clamp terminal blocks

## Ground + neutral - 24 mm 0.945 in spacing



M16/12.PE.N



24 mm 0.945 in spacing

### Description

- Simplify your PE.N connection with M16/12.P block connected to M16/12.N block through a pre-mounted jumper,
- Adapted to TNS and TNC-S electrical network.

### Ordering details

| Description                            | Color              | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------------|-------------|-----------------|---------|------------------|
| Ground + neutral Screw rail connection | Green-yellow, blue | M16/12.PE.N | 1SNA165680R0300 | 20      | 68.00            |

### Main technical data

|   |                                 | IEC                    | UL | CSA | Mounting instructions      |   |
|---|---------------------------------|------------------------|----|-----|----------------------------|---|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 2.5-25 mm <sup>2</sup> |    |     | Rail                       | G32, TH 35-7.5, TH 35-15                  |
|   | Flexible with insulated ferrule | 2.5-16 mm <sup>2</sup> |    |     | Wire stripping length      | 14 mm<br>0.55 in                          |
|   | Gauge                           | B7                     |    |     | Screw clamp Tool           | Flat screwdriver<br>Ø 5.5 mm<br>Ø 0.22 in |
|   |                                 |                        |    |     | Torque                     | 1.2 - 1.4 N.m<br>10.6 - 12.3 lb.in        |
| Rated cross section                     |                                 | 16 mm <sup>2</sup>     |    |     | Rail connection screw Tool | Flat screwdriver<br>Ø 5.5 mm<br>Ø 0.22 in |
| Rated short-time withstand current (1s) |                                 | 1920 A                 |    |     | Torque                     | 1 N.m<br>8.8 lb.in                        |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |        |  |  |  |  |  |  |  |
|----|------|--------|--|--|--|--|--|--|--|
| CE | RoHS | Gost R |  |  |  |  |  |  |  |
|----|------|--------|--|--|--|--|--|--|--|

### Accessories

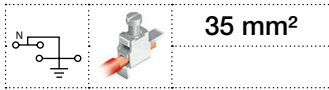
| Description          | Color | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|----------------------|-------|--------|-----------------|---------|------------------|
| 1 End stops          | Grey  | BAM2   | 1SNA206351R1600 | 50      | 12.00            |
|                      |       | BADL   | 1SNA399903R0200 | 50      | 4.70             |
| 2 Circuit separators | Grey  | SCFEX1 | 1SNA103619R0400 | 10      | 30.00            |
|                      |       | SCFEX3 | 1SNA103620R0100 | 10      | 30.00            |
|                      |       | SCFM6  | 1SNA114825R0500 | 20      | 4.00             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

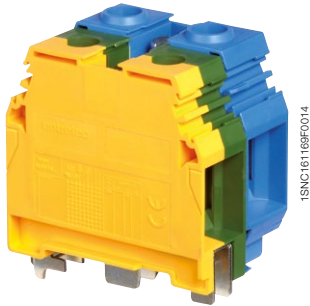
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# M35/16.PE.N screw clamp terminal blocks

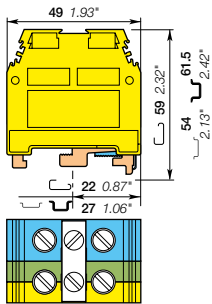
## Ground + neutral - 32 mm 1.260 in spacing



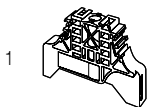
35 mm<sup>2</sup>



M35/16.PE.N



32 mm 1.260 in spacing



1

### Description

- Simplify your PE.N connection with M35/16.P block connected to M35/16.N block through a pre-mounted jumper,
- Adapted to TNS and TNC-S electrical network.

### Ordering details

| Description      | Color                                       | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|------------------|---|-------------|-----------------|---------|------------------|
| Ground + neutral | Screw rail connection<br>Green-yellow, blue | M35/16.PE.N | 1SNA165575R2500 | 10      | 119.00           |

### Main technical data

|   |                                 | IEC                  | UL | CSA | Mounting instructions      |   |
|---|---------------------------------|----------------------|----|-----|----------------------------|---|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 4-50 mm <sup>2</sup> |    |     | Rail                       | G32, TH 35-7.5, TH 35-15                  |
|   | Flexible with insulated ferrule | 4-35 mm <sup>2</sup> |    |     | Wire stripping length      | 17 mm<br>0.67 in                          |
|   | Gauge                           | B9                   |    |     | Screw clamp Tool           | Flat screwdriver<br>Ø 7 mm<br>Ø 0.32 in   |
|   |                                 |                      |    |     | Torque                     | 2.8 - 3 N.m<br>24.6 - 26.1 lb.in          |
| Rated cross section                     |                                 | 35 mm <sup>2</sup>   |    |     | Rail connection screw Tool | Flat screwdriver<br>Ø 5.5 mm<br>Ø 0.22 in |
| Rated short-time withstand current (1s) |                                 | 4200 A               |    |     | Torque                     | 1 N.m<br>8.8 lb.in                        |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |        |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|----|------|--------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| CE | RoHS | Gost R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| CE | RoHS | Gost R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

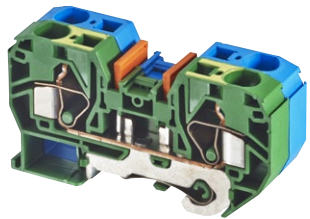
### Accessories

| Description | Color | Type     | Order code                         | Pkg pce | Weight (1 pce) g |
|-------------|-------|----------|------------------------------------|---------|------------------|
| 1 End stops | 10 mm | 0.394 in | Grey <input type="checkbox"/> BAM2 | 50      | 12.00            |
|             | 9 mm  | 0.354 in | BADL                               | 50      | 4.70             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

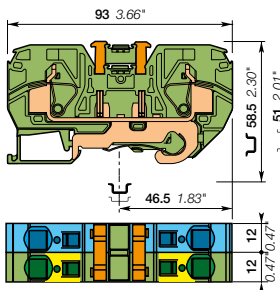
# D16/12.PEN.2L spring terminal blocks

## Ground + neutral - 24 mm 0.945 in spacing



1SNC162115F0014

D16/12.PEN.2L



24 mm 0.945 in spacing

### Description

Simplify your PEN connection with D16/12.P block connected to D16/12.N block with a removable jumper,

- Specially developed for TN-C-S Network,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

### Ordering details

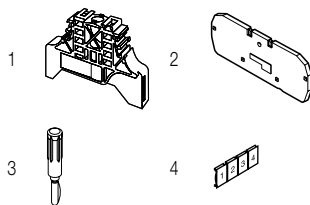
| Description      | Color   | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|------------------|---|---------------|-----------------|---------|------------------|
| Ground + Neutral | Screwless rail connection<br>Green-yellow, blue | D16/12.PEN.2L | 1SNA399631R0000 | 5       | 98.00            |

### Main technical data

|   |  | IEC                       | UL | CSA | Mounting instructions |  |
|---|--|---------------------------|----|-----|-----------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded                                   | 0.5-25 mm <sup>2</sup>    |    |     | Rail                  | TH 35-7.5, TH 35-15                        |
|   | Flexible with non insulated ferrule with insulated ferrule | 0.5-16 mm <sup>2</sup>    |    |     | Wire stripping length | 19 mm 0.75 in                              |
|   | Gauge  | A7                        |    |     | Tool                  | Flat screwdriver<br>Ø 6.5 mm<br>Ø 0.256 in |
| Rated current / Rated cross section     |  | 76 A / 16 mm <sup>2</sup> |    |     |                       |  |
| Rated short-time withstand current (1s) |  | 1920 A                    |    |     |                       |  |
| Rated voltage                           |  | 1000 V                    |    |     |                       |  |
| Impulse withstand voltage               |  | 8000 V                    |    |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |      |    |      |    |      |    |      |    |      |    |
|------|------|----|------|----|------|----|------|----|------|----|
| RoHS | RoHS | PC | RoHS | PC | RoHS | PC | RoHS | PC | RoHS | PC |
|------|------|----|------|----|------|----|------|----|------|----|



### Accessories

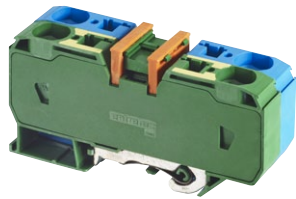
| Description              | Color | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|-------|----------|-----------------|---------|------------------|
| 1 End stops              | Grey  | BADL     | 1SNA399903R0200 | 50      | 4.70             |
|                          |       | BAM2     | 1SNA206351R1600 | 50      | 12.00            |
| 2 End sections           | Grey  | FED12.2L | 1SNA399571R0400 | 10      | 5.00             |
| 3 Test plugs             | Black | FC2      | 1SNA007865R2600 | 100     |                  |
| 4 Terminal block markers | White | RC1010   | 1SNA238000R1600 | 1       | 1.30             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

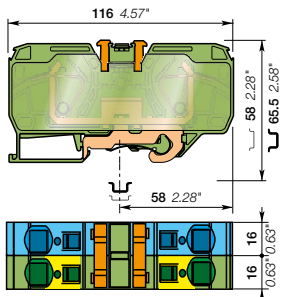
# D35/16.PEN.2L spring terminal blocks

## Ground + neutral - 32 mm 1.260 in spacing



1SNC162116F0014

D35/16.PEN.2L



32 mm 1.260 in spacing

### Description

Simplify your PEN connection with D35/16.P block connected to D35/16.N block with a removable jumper,

- Specially developed for TN-C-S Network,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

### Ordering details

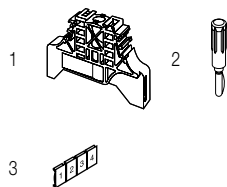
| Description                                | Color              | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------------|---------------|-----------------|---------|------------------|
| Ground + neutral Screwless rail connection | Green-yellow, blue | D35/16.PEN.2L | 1SNA399668R2500 | 5       | 236.00           |

### Main technical data

|   |                                     | IEC                        | UL | CSA | Mounting instructions |                                      |
|---|-------------------------------------|----------------------------|----|-----|-----------------------|--------------------------------------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded            | 2.5-50 mm <sup>2</sup>     |    |     | Rail                  | TH 35-7.5, TH 35-15                  |
|   | Flexible with non insulated ferrule | 2.5-35 mm <sup>2</sup>     |    |     | Wire stripping length | 26 mm 1.02 in                        |
|   | with insulated ferrule Gauge        | A9                         |    |     | Tool                  | Flat screwdriver Ø 6.5 mm Ø 0.256 in |
| Rated current / Rated cross section     |                                     | 125 A / 35 mm <sup>2</sup> |    |     |                       |                                      |
| Rated short-time withstand current (1s) |                                     | 4200 A                     |    |     |                       |                                      |
| Rated voltage                           |                                     | 1000 V                     |    |     |                       |                                      |
| Impulse withstand voltage               |                                     | 8000 V                     |    |     |                       |                                      |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|      |      |    |        |  |  |  |  |  |  |
|------|------|----|--------|--|--|--|--|--|--|
| RoHS | RoHS | PC | Gost R |  |  |  |  |  |  |
|------|------|----|--------|--|--|--|--|--|--|



### Accessories

| Description              | Color | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|-------|--------|-----------------|---------|------------------|
| 1 End stops              | Grey  | BADL   | 1SNA399903R0200 | 50      | 4.70             |
|                          |       | BAM2   | 1SNA206351R1600 | 50      | 12.00            |
| 2 Test plugs             | Black | FC2    | 1SNA007865R2600 | 100     |                  |
| 3 Terminal block markers | White | RC1010 | 1SNA238000R1600 | 1       | 1.30             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

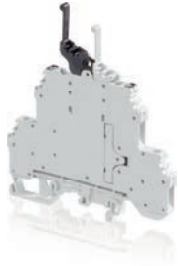
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.





# Solution series, terminal blocks

## Disconnect



Overview

240

### Screw clamp technology

#### Disconnect with pull lever

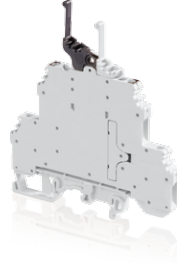
4 mm<sup>2</sup> / 10 AWG

|                      |                                |     |
|----------------------|--------------------------------|-----|
| <b>M4/6.D2.2S2</b>   | 2 disconnect circuits          | 241 |
| <b>M4/6.D2.2S2.T</b> | 2 disconnect circuits and test | 242 |
| <b>M4/6.D2.S1R</b>   | Change over type               | 243 |
| <b>M4/6.D2.S1R.T</b> | Change over type and test      | 244 |





# Solution series, terminal blocks

## Disconnect

### Screw clamp technology

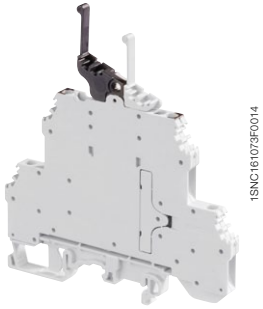


Disconnect with pull lever

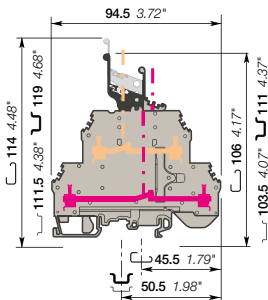
| Section                 |               |  |  |  |  |
|-------------------------|---------------|---|---|---|---|
| IEC                     | UL/CSA        |   |   |   |   |
| <b>4 mm<sup>2</sup></b> | <b>10 AWG</b> | <b>M4/6.D2.2S2</b>  | <b>M4/6.D2.2S2.T</b>  | <b>M4/6.D2.S1R</b>  | <b>M4/6.D2.S1R.T</b>  |
|                         |               | <i>6 mm 0.236 in</i>  | <i>6 mm 0.236 in</i>  | <i>6 mm 0.236 in</i>  | <i>6 mm 0.236 in</i>  |

# M4/6.D2.2S2 screw clamp terminal blocks

## Disconnect with pull lever - with 2 independent circuits - 6 mm 0.236 in spacing



M4/6.D2.2S2



6 mm 0.236 in spacing

### Description

- Save space with double deck terminal blocks: 2 independent disconnect circuits in just 6 mm 0.236 in spacing,
- Black pull lever controls upper deck contact and grey pull lever controls lower deck contact,
- Closed terminal block: no end section needed.

### Ordering details

| Description                            | Color       | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------|-------------|-----------------|---------|------------------|
| Disconnect With 2 independent circuits | Grey, black | M4/6.D2.2S2 | 1SNA199444R2500 | 25      | 30.00            |

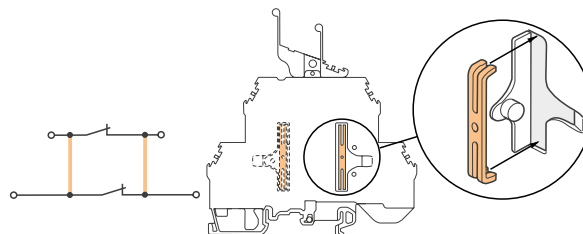
### Main technical data

|   |                                 | IEC                      | UL | CSA           | Mounting instructions |                                    |
|---|---------------------------------|--------------------------|----|---------------|-----------------------|------------------------------------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>    |    | 24-10 AWG     | Rail                  | G32, TH 35-7.5, TH 35-15           |
|   | Flexible with insulated ferrule | 0.2-4 mm <sup>2</sup>    |    |               | Wire stripping length | 9.5 mm 0.374 in                    |
|   | Gauge                           | A4                       |    |               | Tool                  | Flat screwdriver Ø 4 mm Ø 0.157 in |
| Rated current / Rated cross section     |                                 | 10 A / 4 mm <sup>2</sup> |    | 10 A / 10 AWG | Torque                | 0.5 - 0.8 Nm 4.4 - 7.1 lb.in       |
| Rated short-time withstand current (1s) |                                 | 120 A                    |    |               |                       |                                    |
| Rated voltage                           |                                 | 500 V                    |    | 300 V         |                       |                                    |
| Impulse withstand voltage               |                                 | 6000 V                   |    |               |                       |                                    |
| Protection                              |                                 | IP20                     |    | NEMA 1        |                       |                                    |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |      |        |    |        |
|----|------|------|--------|----|--------|
| CE | RoHS | RoHS | cCSAus | PC | Gost R |
|----|------|------|--------|----|--------|

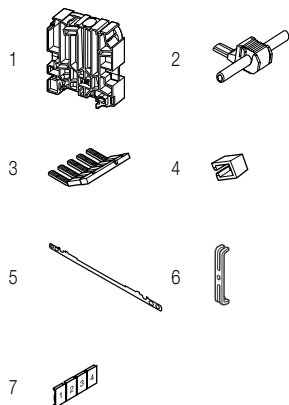
### Notes



Mounting of the vertical jumper bar between decks (ITVE2)

Interconnection between decks is possible on each side of the switch, using accessory ITVE2.

Trap door opens with a screwdriver.



### Accessories

| Description  | Color | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------|--------|-----------------|---------|------------------|
| 1 End stops 12 mm 0.472 in                           | Grey  | BADH   | 1SNA116900R2700 | 50      | 24.00            |
| 2 Jumper bars 1 poles 24 A                           | Grey  | AD2.5  | 1SNA114205R2000 | 50      | 1.60             |
| 3 Lateral jumper bars 2 poles 35 A                   | Grey  | PC6-2  | 1SNA113546R1400 | 10      | 2.00             |
|  |       | PC6-3  | 1SNA116536R0500 | 10      | 2.00             |
|  |       | PC6-4  | 1SNA116537R0600 | 10      | 3.00             |
|  |       | PC6-10 | 1SNA113548R2600 | 10      | 8.00             |
| 4 Insulating tips For lateral jumper bars type PC... |       | EIP    | 1SNA113550R2400 | 10      |                  |
| 5 Shield connectors                                  |       | CBD2S  | 1SNA178408R1400 | 50      |                  |
| 6 Inner deck jumper bars                             |       | ITVE2  | 1SNA179825R2600 | 20      | 1.30             |
| 7 Terminal block markers Blank card                  | White | RC610  | 1SNA233000R0100 | 1       | 7.50             |

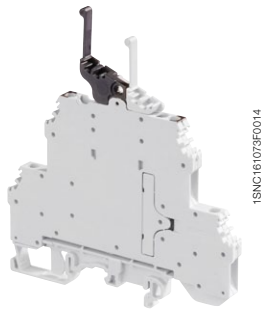
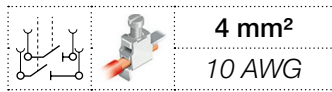
Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

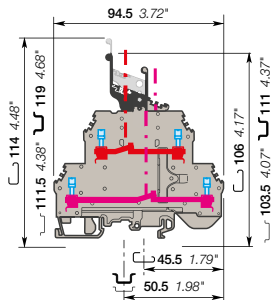
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# M4/6.D2.2S2 screw clamp terminal blocks

## Disconnect with pull lever with 2 independent circuits and 4 test sockets - 6 mm 0.236 in spacing



M4/6.D2.2S2



6 mm 0.236 in spacing

### Description

- Save space with double deck terminal blocks: 2 independent disconnect circuits in just 6 mm 0.236 in spacing,
- Black pull lever controls upper deck contact and grey pull lever controls lower deck contact,
- Ease your test operations with the 2 built-in test sockets,
- Closed terminal block: no end section needed.

### Ordering details

| Description  | Color       | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------|---------------|-----------------|---------|------------------|
| <b>Disconnect</b><br>With 2 independent circuits and 4 test sockets<br>DIA 2 mm 0.079 in | Grey, black | M4/6.D2.2S2.T | 1SNA199448R0100 | 25      | 30.00            |

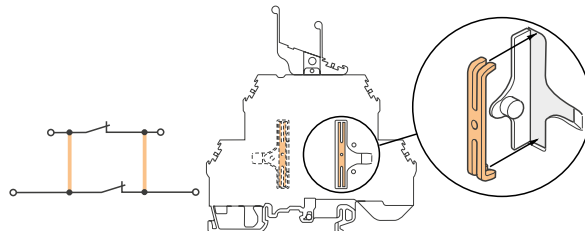
### Main technical data

|  |   | Mounting instructions                          |    |               |
|--|---|--|----|---------------|
|  |   | IEC  | UL | CSA           |
| <b>1 conductor per clamp</b>                   | Rigid Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.2-4 mm <sup>2</sup><br>0.2-4 mm <sup>2</sup> |    | 24-10 AWG     |
|  |   | A4   |    |               |
| <b>Rated current / Rated cross section</b>     |   | 10 A / 4 mm <sup>2</sup>                       |    | 10 A / 10 AWG |
| <b>Rated short-time withstand current (1s)</b> |   | 120 A  |    |               |
| <b>Rated voltage</b>                           |   | 500 V  |    | 300 V         |
| <b>Impulse withstand voltage</b>               |   | 6000 V   |    |               |
| <b>Protection</b>                              |   | IP20   |    | NEMA 1        |

The connecting capacity data for one Rigid Solid / Stranded Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |        |        |
|----|------|--------|--------|
| CE | RoHS | cCSAus | Gost-R |
|----|------|--------|--------|

### Notes



Mounting of the vertical jumper bar between decks (ITVE2)  
Interconnection between decks is possible on each side of the switch, using accessory ITVE2.  
Trap door opens with a screwdriver.

### Accessories

| Description   | Color | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------|--------|-----------------|---------|------------------|
| <b>1 End stops</b> 12 mm 0.472 in                           | Grey  | BADH   | 1SNA116900R2700 | 50      | 24.00            |
| <b>2 Jumper bars</b> 1 poles 24 A                           | Grey  | AD2.5  | 1SNA114205R2000 | 50      | 1.60             |
| <b>3 Lateral jumper bars</b> 2 poles 35 A                   | Grey  | PC6-2  | 1SNA113546R1400 | 10      | 2.00             |
|   |       | PC6-3  | 1SNA116536R0500 | 10      | 2.00             |
|   |       | PC6-4  | 1SNA116537R0600 | 10      | 3.00             |
|   |       | PC6-10 | 1SNA113548R2600 | 10      | 8.00             |
| <b>4 Insulating tips</b> For lateral jumper bars type PC... |       | EIP    | 1SNA113550R2400 | 10      |                  |
| <b>5 Test plugs</b> DIA 2 mm 0.079 in                       | Black | FC2    | 1SNA007865R2600 | 100     |                  |
| <b>6 Shield connectors</b>                                  |       | CBD2S  | 1SNA178408R1400 | 50      |                  |
| <b>7 Inner deck jumper bars</b>                             |       | ITVE2  | 1SNA179825R2600 | 20      | 1.30             |
| <b>8 Terminal block markers</b> Blank card                  | White | RC610  | 1SNA233000R0100 | 1       | 7.50             |

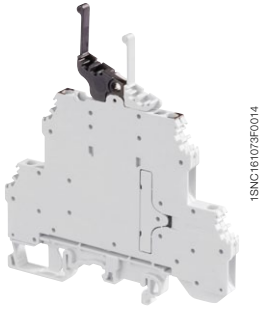
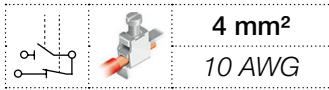
Complete list of accessories is indicated in the terminal block datasheet.  
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic.  
Technical data valid for copper conductors only.

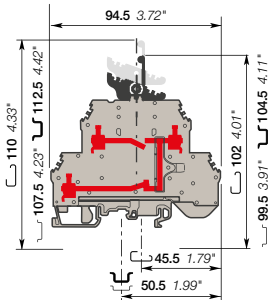
# M4/6.D2.S1R screw clamp terminal blocks

## Disconnect with pull lever - change over type

### 6 mm 0.236 in spacing



M4/6.D2.S1R



6 mm 0.236 in spacing

### Description

- Direct a signal either to the upper deck (contact control pull lever in high position), or to the lower deck (pull lever in low position) with just one operation,
- Closed terminal block: no end section needed.

### Ordering details

| Description                 | Color       | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|-----------------------------|-------------|-------------|-----------------|---------|------------------|
| Disconnect Change over type | Grey, black | M4/6.D2.S1R | 1SNA199452R2500 | 25      | 30.00            |

### Main technical data

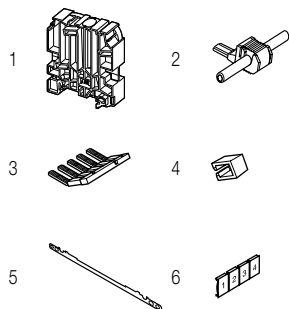
|   |                                 | IEC                      | UL     | CSA           |
|---|---------------------------------|--------------------------|--------|---------------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>    |        | 24-10 AWG     |
|   | Flexible with insulated ferrule | 0.2-4 mm <sup>2</sup>    |        |               |
|   | Gauge                           | A4                       |        |               |
| Rated current / Rated cross section     |                                 | 10 A / 4 mm <sup>2</sup> |        | 10 A / 10 AWG |
| Rated short-time withstand current (1s) |                                 | 120 A                    |        |               |
| Rated voltage                           |                                 | 500 V                    |        | 300 V         |
| Impulse withstand voltage               |                                 | 6000 V                   |        |               |
| Protection                              |                                 | IP20                     | NEMA 1 |               |

### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | G32, TH 35-7.5, TH 35-15                 |
| Wire stripping length |  | 9.5 mm<br>0.374 in                       |
| Tool                  |  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Torque                |  | 0.5 - 0.8 Nm<br>4.4 - 7.1 lb.in          |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |       |        |
|----|------|-------|--------|
| CE | RoHS | CSAus | Gost R |
|----|------|-------|--------|



### Accessories

| Description  | Color | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------|--------|-----------------|---------|------------------|
| 1 End stops 12 mm 0.472 in                           | Grey  | BADH   | 1SNA116900R2700 | 50      | 24.00            |
| 2 Jumper bars 1 poles 24 A                           | Grey  | AD2.5  | 1SNA114205R2000 | 50      | 1.60             |
| 3 Lateral jumper bars 2 poles 35 A                   | Grey  | PC6-2  | 1SNA113546R1400 | 10      | 2.00             |
|  |       | PC6-3  | 1SNA116536R0500 | 10      | 2.00             |
|  |       | PC6-4  | 1SNA116537R0600 | 10      | 3.00             |
|  |       | PC6-10 | 1SNA113548R2600 | 10      | 8.00             |
| 4 Insulating tips For lateral jumper bars type PC... |       | EIP    | 1SNA113550R2400 | 10      |                  |
| 5 Shield connectors                                  |       | CBD2S  | 1SNA178408R1400 | 50      |                  |
| 6 Terminal block markers Blank card                  | White | RC610  | 1SNA233000R0100 | 1       | 7.50             |

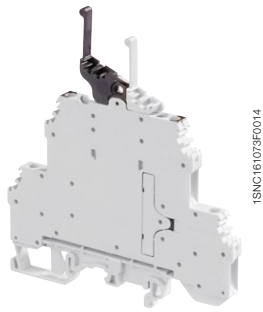
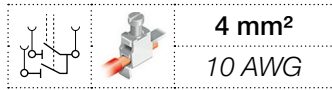
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

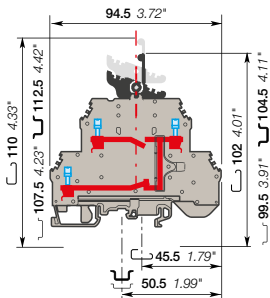
# M4/6.D2.S1R screw clamp terminal blocks

## Disconnect with pull lever - change over type with 3 test sockets

### 6 mm 0.236 in spacing



M4/6.D2.S1R



6 mm 0.236 in spacing

### Description

- Direct a signal either to the upper deck (contact control pull lever in high position), or to the lower deck (pull lever in low position) with just one operation,
- Ease your test operations with the built-in test sockets,
- Closed terminal block: no end section needed.

### Ordering details

| Description   | Color       | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------|---------------|-----------------|---------|------------------|
| Disconnect Change over type with 3 test sockets DIA 2 mm 0.079 in | Grey, black | M4/6.D2.S1R.T | 1SNA199456R2100 | 25      | 30.00            |

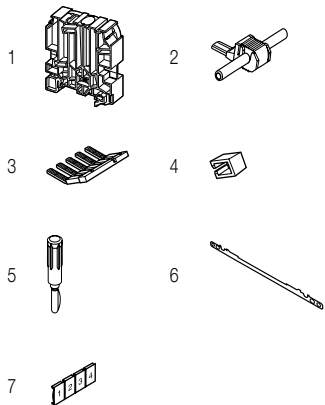
### Main technical data

|  | IEC   | UL   | CSA           | Mounting instructions  |
|--|---|--|---------------|--|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible<br>with insulated ferrule<br>Gauge | 0.2-4 mm <sup>2</sup><br>0.2-4 mm <sup>2</sup><br>A4 | 24-10 AWG     | Rail: G32, TH 35-7.5, TH 35-15<br>Wire stripping length: 9.5 mm 0.374 in<br>Tool: Flat screwdriver Ø 4 mm Ø 0.157 in |
| <b>Rated current / Rated cross section</b>     | 10 A / 4 mm <sup>2</sup>  |  | 10 A / 10 AWG |  |
| <b>Rated short-time withstand current (1s)</b> | 120 A   |  |               |  |
| <b>Rated voltage</b>                           | 500 V   |  | 300 V         |  |
| <b>Impulse withstand voltage</b>               | 6000 V  |  |               |  |
| <b>Protection</b>                              | IP20  |  | NEMA 1        | Torque: 0.5 - 0.6 Nm 4.4 - 5.3 lb.in   |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |        |        |  |  |  |  |
|----|------|--------|--------|--|--|--|--|
| CE | RoHS | cCSAus | Gost R |  |  |  |  |
|----|------|--------|--------|--|--|--|--|

12

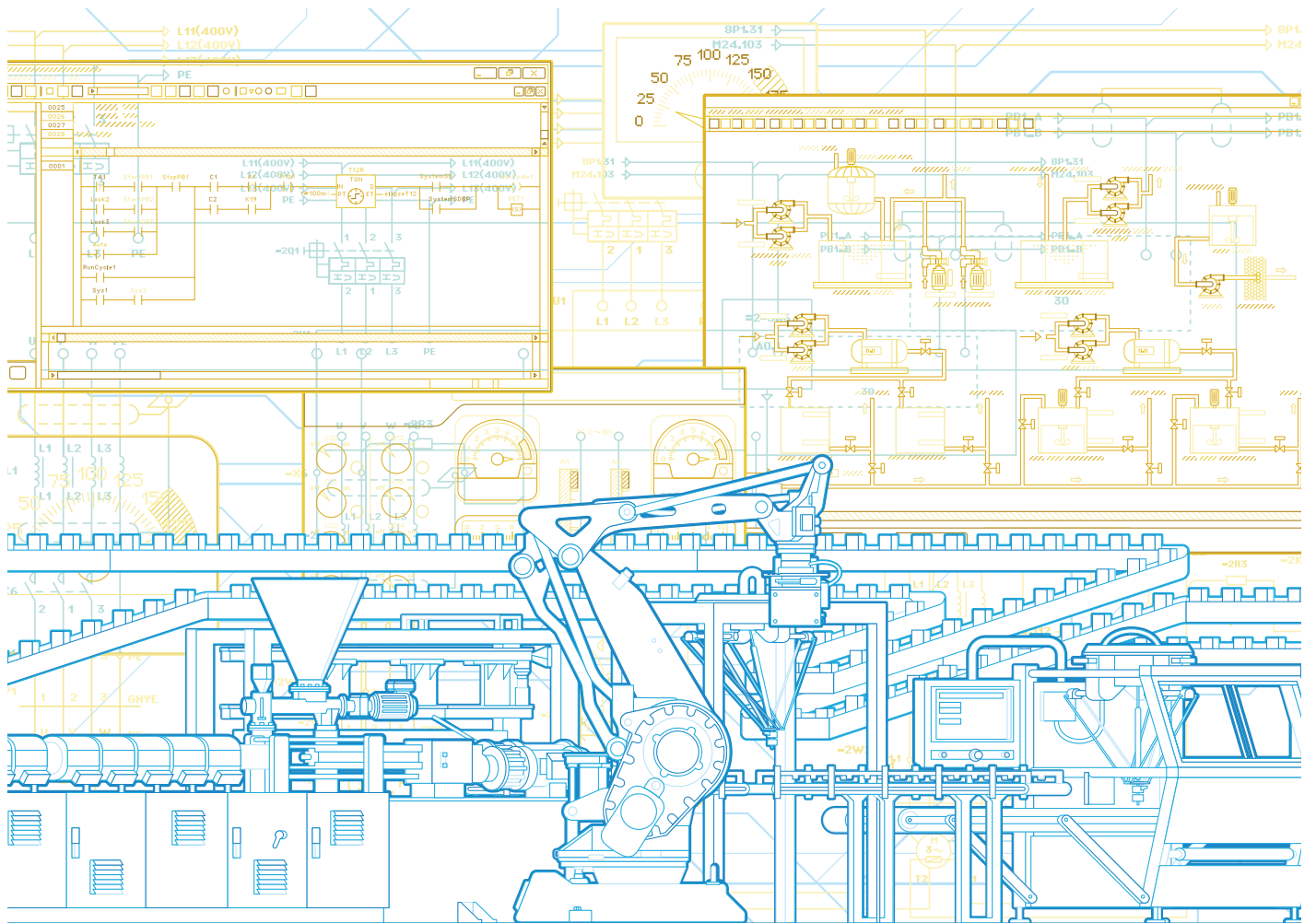


### Accessories

| Description  | Color | Type   | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------|--------|-----------------|---------|------------------|
| 1 End stops 12 mm 0.472 in                           | Grey  | BADH   | 1SNA116900R2700 | 50      | 24.00            |
| 2 Jumper bars 1 poles 24 A                           | Grey  | AD2.5  | 1SNA114205R2000 | 50      | 1.60             |
| 3 Lateral jumper bars 2 poles 35 A                   | Grey  | PC6-2  | 1SNA113546R1400 | 10      | 2.00             |
|  |       | PC6-3  | 1SNA116536R0500 | 10      | 2.00             |
|  |       | PC6-4  | 1SNA116537R0600 | 10      | 3.00             |
|  |       | PC6-10 | 1SNA113548R2600 | 10      | 8.00             |
| 4 Insulating tips For lateral jumper bars type PC... |       | EIP    | 1SNA113550R2400 | 10      |                  |
| 5 Test plugs DIA 2 mm 0.079 in                       | Black | FC2    | 1SNA007865R2600 | 100     |                  |
| 6 Shield connectors                                  |       | CBD2S  | 1SNA178408R1400 | 50      |                  |
| 7 Terminal block markers Blank card                  | White | RC610  | 1SNA233000R0100 | 1       | 7.50             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

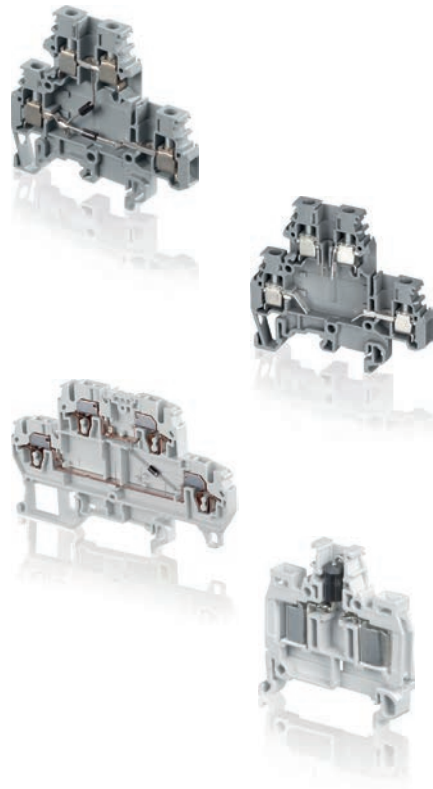






# Solution series, terminal blocks

## Component holder



Overview

248

### Screw clamp technology

#### Component holder

4 mm<sup>2</sup> / 12 AWG

|                    |               |     |
|--------------------|---------------|-----|
| <b>M4/6.DE1.D</b>  | With 2 diodes | 249 |
| <b>M4/6.DE1.D1</b> | With 2 diodes | 250 |
| <b>M4/6.DE2.D</b>  | With 2 diodes | 251 |
| <b>M4/6.DD</b>     | With 1 diode  | 252 |
| <b>M4/6.DD1</b>    | With 1 diode  | 253 |
| <b>M4/6.DE</b>     | Open circuit  | 254 |
| <b>M4/6.DE1</b>    | Open circuit  | 255 |
| <b>M4/6.DE2</b>    | Open circuit  | 256 |

### Spring clamp technology

#### Component holder

2.5 mm<sup>2</sup> / 12 AWG

|                     |              |     |
|---------------------|--------------|-----|
| <b>D2.5/5.DD.L</b>  | With diode   | 257 |
| <b>D2.5/5.DL.L</b>  | With red led | 258 |
| <b>D2.5/5.DE2.L</b> | Open circuit | 259 |

### ADO - ADO technology

#### Component holder

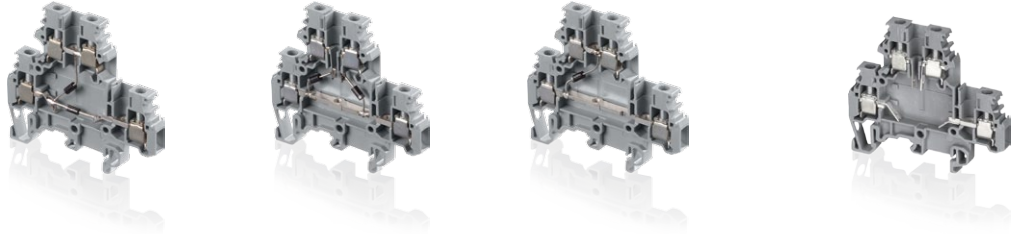
1.5 mm<sup>2</sup>

|                      |            |     |
|----------------------|------------|-----|
| <b>D1.5/6.ADO.D1</b> | With diode | 260 |
|----------------------|------------|-----|









# Solution series, terminal blocks

## Component holder

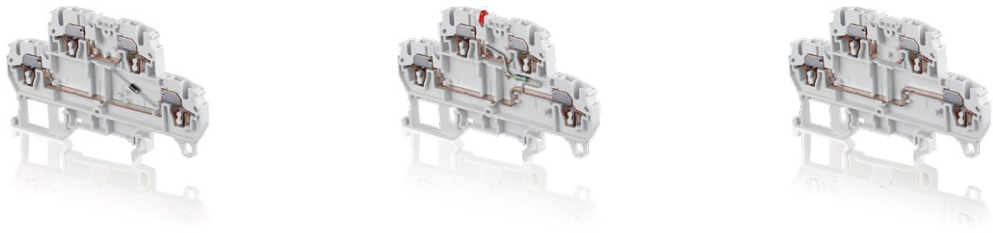
### Screw clamp technology



Component holder

| Section                 |               |  |  |  |  |  |  |  |  |
|-------------------------|---------------|---|---|---|---|---|---|---|---|
| IEC                     | UL/CSA        | <b>M4/6.DE1.D</b>   | <b>M4/6.DE1.D1</b>  | <b>M4/6.DE2.D</b>   | <b>M4/6.DD</b>  | <b>M4/6.DD1</b>   | <b>M4/6.DE</b>  | <b>M4/6.DE1</b>   | <b>M4/6.DE2</b>   |
| <b>4 mm<sup>2</sup></b> | <b>12 AWG</b> | 6 mm 0.236 in   | 6 mm 0.236 in   | 6 mm 0.236 in   | 6 mm 0.236 in   | 6 mm 0.236 in   | 6 mm 0.236 in   | 6 mm 0.236 in   | 6 mm 0.236 in   |

### Spring clamp technology



Component holder

| Section                   |               |  |  |  |
|---------------------------|---------------|---|---|---|
| IEC                       | UL/CSA        | <b>D2.5/5.DD.L</b>  | <b>D2.5/5.DL.L</b>  | <b>D2.5/5.DE2.L</b>   |
| <b>2.5 mm<sup>2</sup></b> | <b>12 AWG</b> | 5 mm 0.197 in   | 5 mm 0.197 in   | 5 mm 0.197 in   |

### 13 ADO-ADO technology



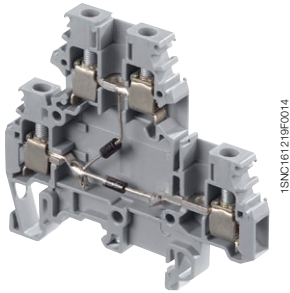
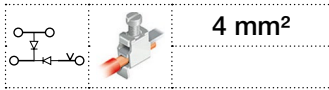
Component holder

| Section                   |        |  |
|---------------------------|--------|---|
| IEC                       | UL/CSA | <b>D1.5/6.ADO.D1</b>  |
| <b>1.5 mm<sup>2</sup></b> |        | 6 mm 0.236 in   |

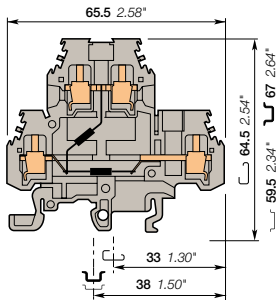
All the technical data for UL/CSA standard and dimensions in inches are in italic.

# M4/6.DE screw clamp terminal blocks

## Component holder - 6 mm 0.236 in spacing



M4/6.DE



6 mm 0.236 in spacing

### Description

Ease the test operation with two 1N4007 diodes.

### Ordering details

| Description   | Color                         | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|------------|-----------------|---------|------------------|
| <b>Component holder</b><br>With two 1N4007 diodes, common on cathode (1000V peak-250V Service-1A) | Grey <input type="checkbox"/> | M4/6.DE1.D | 1SNA115371R2600 | 50      | 16.00            |

### Main technical data

|  |                                 | IEC                      | UL | CSA    | Mounting instructions |                                    |
|--|---------------------------------|--------------------------|----|--------|-----------------------|------------------------------------|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded        | 0.5-4 mm <sup>2</sup>    |    |        | Rail                  | G32, TH 35-7.5, TH 35-15           |
|  | Flexible with insulated ferrule | 0.5-4 mm <sup>2</sup>    |    |        | Wire stripping length | 8.5 mm 0.33 in                     |
|  | Gauge                           | A4                       |    |        | Tool                  | Flat screwdriver Ø 4 mm Ø 0.157 in |
| <b>Rated current / Rated cross section</b>     |                                 | 20 A / 4 mm <sup>2</sup> |    |        | Torque                | 0.5 - 0.6 Nm 4.4 - 5.3 lb.in       |
| <b>Rated short-time withstand current (1s)</b> |                                 | 480 A                    |    |        |                       |                                    |
| <b>Rated voltage</b>                           |                                 | 500 V                    |    |        |                       |                                    |
| <b>Impulse withstand voltage</b>               |                                 |                          |    |        |                       |                                    |
| <b>Protection</b>                              |                                 | IP20                     |    | NEMA 1 |                       |                                    |

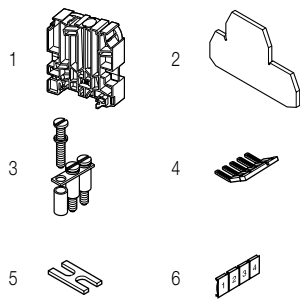
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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### Accessories

| Description  | Color                          | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------------------------|----------|-----------------|---------|------------------|
| 1 <b>End stops</b> 12 mm 0.472 in  | Grey <input type="checkbox"/>  | BADH     | 1SNA116900R2700 | 50      | 24.00            |
| 2 <b>End sections</b> 1 mm 0.039 in  | Grey <input type="checkbox"/>  | FEM6D    | 1SNA118499R2300 | 20      | 2.70             |
| 3 <b>Jumper bars</b>   | 2 poles                        | BJM6D-2  | 1SNA179668R2000 | 10      | 4.00             |
|  | 3 poles                        | BJM6D-3  | 1SNA179669R2100 | 10      | 6.00             |
|  | 4 poles                        | BJM6D-4  | 1SNA179670R2600 | 10      | 8.00             |
|  | 5 poles                        | BJM6D-5  | 1SNA179671R1300 | 10      | 10.00            |
|  | 10 poles                       | BJM6D-10 | 1SNA179672R1400 | 10      | 20.00            |
| 4 <b>Lateral jumper bars</b> 10 poles 35 A                                   |                                | PC61-10  | 1SNA163311R2200 | 10      | 5.00             |
| 5 <b>Cross spacing jumpers</b> 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in |                                | EL6      | 1SNA173627R2100 | 10      | 0.10             |
| 6 <b>Terminal block markers</b> Blank card                                   | White <input type="checkbox"/> | RC610    | 1SNA233000R0100 | 1       | 7.50             |

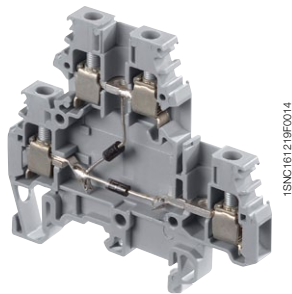
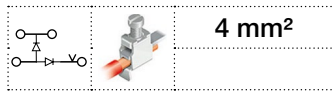
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



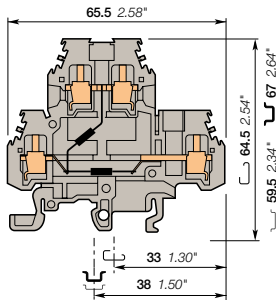
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# M4/6.DE screw clamp terminal blocks

## Component holder - 6 mm 0.236 in spacing



M4/6.DE



6 mm 0.236 in spacing

### Description

Ease the test operation with two 1N4007 diodes.

### Ordering details

| Description   | Color                         | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|-------------|-----------------|---------|------------------|
| <b>Component holder</b><br>With two 1N4007 diodes, common on anode (1000V peak-250V Service-1A) | Grey <input type="checkbox"/> | M4/6.DE1.D1 | 1SNA115591R0400 | 50      | 16.00            |

### Main technical data

|  |                                 | IEC                      | UL     | CSA | Mounting instructions |  |
|--|---------------------------------|--------------------------|--------|-----|-----------------------|--|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded        | 0.5-4 mm <sup>2</sup>    |        |     | Rail                  | G32, TH 35-7.5, TH 35-15                 |
|  | Flexible with insulated ferrule | 0.5-4 mm <sup>2</sup>    |        |     | Wire stripping length | 8.5 mm 0.33 in                           |
|  | Gauge                           | A4                       |        |     | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| <b>Rated current / Rated cross section</b>     |                                 | 20 A / 4 mm <sup>2</sup> |        |     | Torque                | 0.5 - 0.6 Nm<br>4.4 - 5.3 lb.in          |
| <b>Rated short-time withstand current (1s)</b> |                                 | 480 A                    |        |     |                       |  |
| <b>Rated voltage</b>                           |                                 | 500 V                    |        |     |                       |  |
| <b>Impulse withstand voltage</b>               |                                 |                          |        |     |                       |  |
| <b>Protection</b>                              |                                 | IP20                     | NEMA 1 |     |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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### Accessories

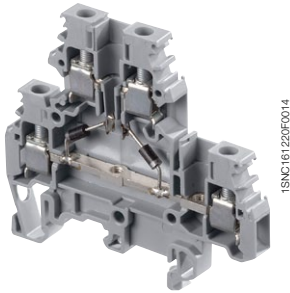
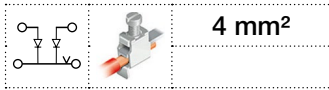
| Description  | Color                          | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------------------------|-----------|-----------------|---------|------------------|
| 1 <b>End stops</b> 12 mm 0.472 in  | Grey <input type="checkbox"/>  | BADH      | 1SNA116900R2700 | 50      | 24.00            |
| 2 <b>End sections</b> 1 mm 0.039 in  | Grey <input type="checkbox"/>  | FEM6D     | 1SNA118499R2300 | 20      | 2.70             |
| 3 <b>Jumper bars</b>   | 2 poles 32 A                   | BJMI6D-2  | 1SNA179668R2000 | 10      | 4.00             |
|  | 3 poles                        | BJMI6D-3  | 1SNA179669R2100 | 10      | 6.00             |
|  | 4 poles                        | BJMI6D-4  | 1SNA179670R2600 | 10      | 8.00             |
|  | 5 poles                        | BJMI6D-5  | 1SNA179671R1300 | 10      | 10.00            |
|  | 10 poles                       | BJMI6D-10 | 1SNA179672R1400 | 10      | 20.00            |
| 4 <b>Lateral jumper bars</b> 10 poles 35 A                                   |                                | PC61-10   | 1SNA163311R2200 | 10      | 5.00             |
| 5 <b>Cross spacing jumpers</b> 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in |                                | EL6       | 1SNA173627R2100 | 10      | 0.10             |
| 6 <b>Terminal block markers</b> Blank card                                   | White <input type="checkbox"/> | RC610     | 1SNA233000R0100 | 1       | 7.50             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

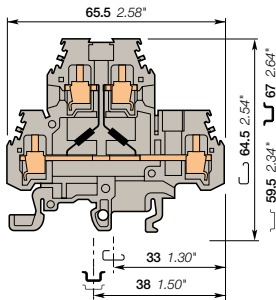
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# M4/6.DE screw clamp terminal blocks

## Component holder - 6 mm 0.236 in spacing



M4/6.DE



6 mm 0.236 in spacing

### Description

Ease the test operation with two 1N4007 diodes.

### Ordering details

| Description   | Color                         | Type       | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|------------|-----------------|---------|------------------|
| <b>Component holder</b><br>With two 1N4007 diodes, common on cathode (1000V peak-250V Service-1A) | Grey <input type="checkbox"/> | M4/6.DE2.D | 1SNA115327R1200 | 50      | 20.00            |

### Main technical data

|  |                                 | IEC                      | UL | CSA    | Mounting instructions |                                    |
|--|---------------------------------|--------------------------|----|--------|-----------------------|------------------------------------|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded        | 0.5-4 mm <sup>2</sup>    |    |        | Rail                  | G32, TH 35-7.5, TH 35-15           |
|  | Flexible with insulated ferrule | 0.5-4 mm <sup>2</sup>    |    |        | Wire stripping length | 8.5 mm 0.33 in                     |
|  | Gauge                           | A4                       |    |        | Tool                  | Flat screwdriver Ø 4 mm Ø 0.157 in |
| <b>Rated current / Rated cross section</b>     |                                 | 20 A / 4 mm <sup>2</sup> |    |        | Torque                | 0.5 - 0.6 Nm 4.4 - 5.3 lb.in       |
| <b>Rated short-time withstand current (1s)</b> |                                 | 480 A                    |    |        |                       |                                    |
| <b>Rated voltage</b>                           |                                 | 500 V                    |    |        |                       |                                    |
| <b>Impulse withstand voltage</b>               |                                 |                          |    |        |                       |                                    |
| <b>Protection</b>                              |                                 | IP20                     |    | NEMA 1 |                       |                                    |

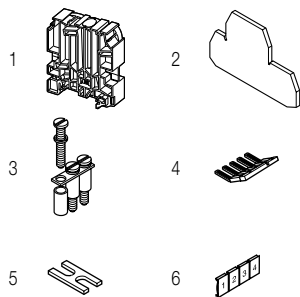
The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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### Accessories

| Description  | Color                          | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------------------------|----------|-----------------|---------|------------------|
| 1 <b>End stops</b> 12 mm 0.472 in  | Grey <input type="checkbox"/>  | BADH     | 1SNA116900R2700 | 50      | 24.00            |
| 2 <b>End sections</b> 1 mm 0.039 in  | Grey <input type="checkbox"/>  | FEM6D    | 1SNA118499R2300 | 20      | 2.70             |
| 3 <b>Jumper bars</b>   | 2 poles                        | BJM6D-2  | 1SNA179668R2000 | 10      | 4.00             |
|  | 3 poles                        | BJM6D-3  | 1SNA179669R2100 | 10      | 6.00             |
|  | 4 poles                        | BJM6D-4  | 1SNA179670R2600 | 10      | 8.00             |
|  | 5 poles                        | BJM6D-5  | 1SNA179671R1300 | 10      | 10.00            |
|  | 10 poles                       | BJM6D-10 | 1SNA179672R1400 | 10      | 20.00            |
| 4 <b>Lateral jumper bars</b> 10 poles 35 A                                   |                                | PC61-10  | 1SNA163311R2200 | 10      | 5.00             |
| 5 <b>Cross spacing jumpers</b> 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in |                                | EL6      | 1SNA173627R2100 | 10      | 0.10             |
| 6 <b>Terminal block markers</b> Blank card                                   | White <input type="checkbox"/> | RC610    | 1SNA233000R0100 | 1       | 7.50             |

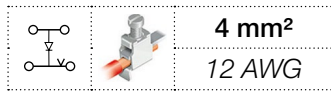
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# M4/6.DD screw clamp terminal blocks

## Component holder - 6 mm 0.236 in spacing



4 mm<sup>2</sup>  
12 AWG

### Description

Protect or test your circuit with one 1N4007 diodes.

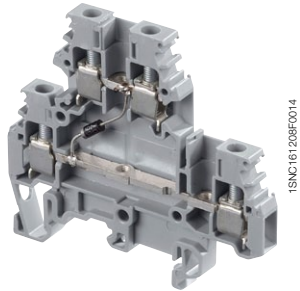
### Ordering details

| Description             | Color                         | Type    | Order code      | Pkg<br>pce | Weight<br>(1 pce) g |
|-------------------------|-------------------------------|---------|-----------------|------------|---------------------|
| <b>Component holder</b> | Grey <input type="checkbox"/> | M4/6.DD | 1SNA115168R2300 | 50         | 20.00               |

### Main technical data

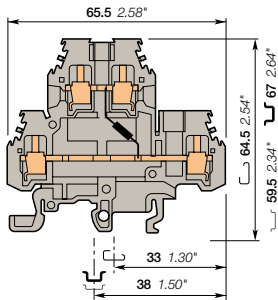
|  |                                 | IEC                      | UL            | CSA           | Mounting instructions |  |
|--|---------------------------------|--------------------------|---------------|---------------|-----------------------|--|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded        | 0.2-4 mm <sup>2</sup>    | 22-12 AWG     | 18-12 AWG     | Rail                  | G32, TH 35-7.5, TH 35-15                 |
|  | Flexible with insulated ferrule | 0.22-4 mm <sup>2</sup>   |               |               | Wire stripping length | 8.5 mm<br>0.33 in                        |
|  | Gauge                           |                          |               |               | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| <b>Rated current / Rated cross section</b>     |                                 | 20 A / 4 mm <sup>2</sup> | 25 A / 12 AWG | 25 A / 12 AWG | Torque                | 0.5 - 0.6 Nm<br>4.4 - 5.3 lb.in          |
| <b>Rated short-time withstand current (1s)</b> |                                 | 480 A                    |               |               |                       |  |
| <b>Rated voltage</b>                           |                                 | 500 V                    | 600 V         | 150 V         |                       |  |
| <b>Impulse withstand voltage</b>               |                                 |                          |               |               |                       |  |
| <b>Protection</b>                              |                                 | IP20                     | NEMA 1        |               |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

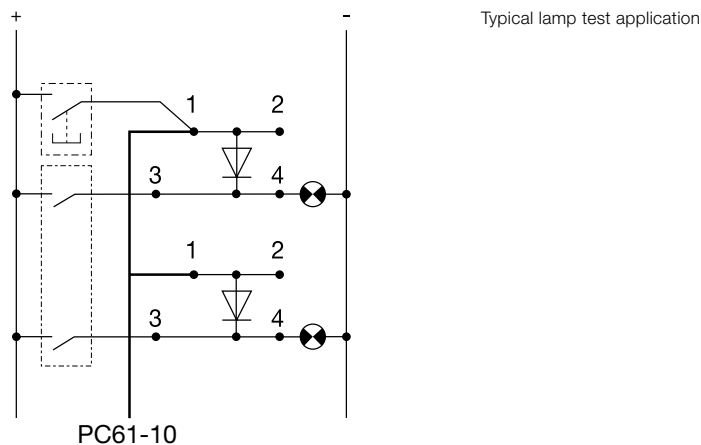


1SNC161208F0014

M4/6.DD



6 mm 0.236 in spacing



### Accessories

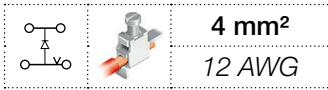
| Description                     | Color                          | Type  | Order code      | Pkg<br>pce | Weight<br>(1 pce) g |
|---------------------------------|--------------------------------|---|-----------------|------------|---------------------|
| <b>1 End stops</b>              | Grey <input type="checkbox"/>  | BADH  | 1SNA116900R2700 | 50         | 24.00               |
| <b>2 End sections</b>           | Grey <input type="checkbox"/>  | FEM6D   | 1SNA118499R2300 | 20         | 2.70                |
| <b>3 Jumper bars</b>            |                                | 2 poles                                       | BJMI6D-2        | 10         | 4.00                |
|                                 |                                | 3 poles                                       | BJMI6D-3        | 10         | 6.00                |
|                                 |                                | 4 poles                                       | BJMI6D-4        | 10         | 8.00                |
|                                 |                                | 5 poles                                       | BJMI6D-5        | 10         | 10.00               |
|                                 |                                | 10 poles                                      | BJMI6D-10       | 10         | 20.00               |
| <b>4 Lateral jumper bars</b>    |                                | 10 poles                                      | PC61-10         | 10         | 5.00                |
| <b>5 Cross spacing jumpers</b>  |                                | 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in | EL6             | 10         | 0.10                |
| <b>6 Terminal block markers</b> | White <input type="checkbox"/> | RC610   | 1SNA233000R0100 | 1          | 7.50                |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

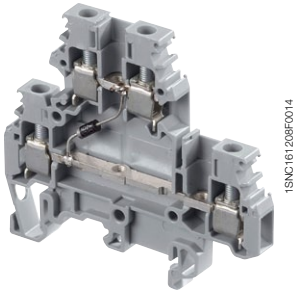
All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

# M4/6.DD screw clamp terminal blocks

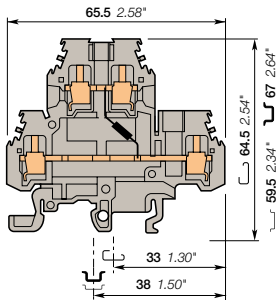
## Component holder - 6 mm 0.236 in spacing



4 mm<sup>2</sup>  
12 AWG



M4/6.DD



6 mm 0.236 in spacing

### Description

Protect or test your circuit with one 1N4007 diodes.

### Ordering details

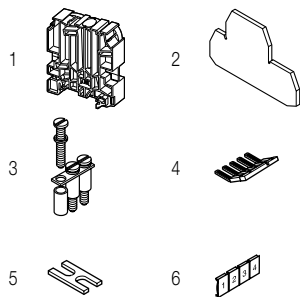
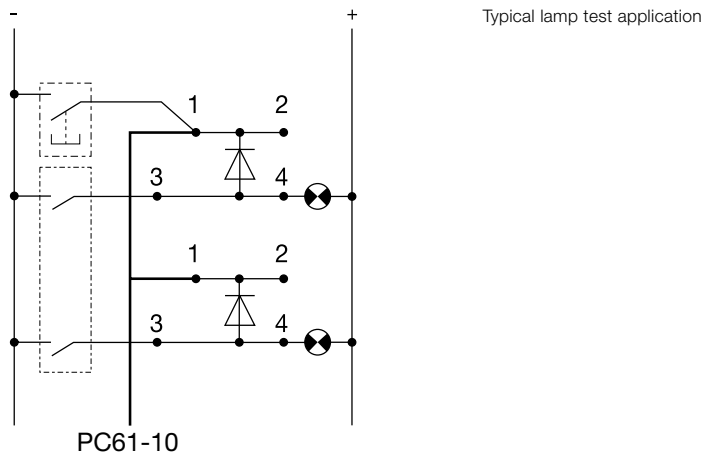
| Description      | Color   | Type     | Order code      | Pkg<br>pce | Weight<br>(1 pce) g |
|------------------|---|----------|-----------------|------------|---------------------|
| Component holder | Cathode of the blocking diode connected to the upper circuit<br>Grey <input type="checkbox"/> | M4/6.DD1 | 1SNA115184R0400 | 50         | 20.00               |

### Main technical data

|   |                                       | IEC                      | UL            | CSA           | Mounting instructions |  |
|---|---------------------------------------|--------------------------|---------------|---------------|-----------------------|--|
| 1 conductor per clamp                   | Rigid - Solid / Stranded              | 0.2-4 mm <sup>2</sup>    | 22-12 AWG     | 18-12 AWG     | Rail                  | G32, TH 35-7.5, TH 35-15                 |
|   | Flexible with insulated ferrule Gauge | 0.22-4 mm <sup>2</sup>   |               |               | Wire stripping length | 8.5 mm 0.33 in                           |
|   |                                       |                          |               |               | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Rated current / Rated cross section     |                                       | 20 A / 4 mm <sup>2</sup> | 25 A / 12 AWG | 25 A / 12 AWG | Torque                | 0.5 - 0.6 Nm<br>4.4 - 5.3 lb.in          |
| Rated short-time withstand current (1s) |                                       | 480 A                    |               |               |                       |  |
| Rated voltage                           |                                       | 500 V                    | 600 V         | 150 V         |                       |  |
| Impulse withstand voltage               |                                       |                          |               |               |                       |  |
| Protection                              |                                       | IP20                     | NEMA 1        |               |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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|----|------|------|-----|--------|--|--|--|--|--|
|    |      |      |     |        |  |  |  |  |  |
| CE | RoHS | ULSR | CSA | Gost R |  |  |  |  |  |



### Accessories

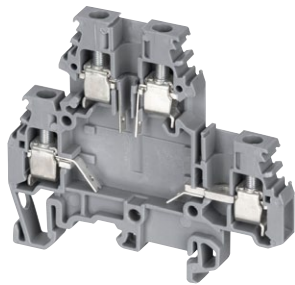
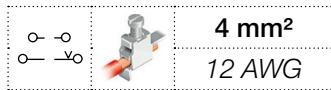
| Description              | Color                          | Type  | Order code      | Pkg<br>pce | Weight<br>(1 pce) g |
|--------------------------|--------------------------------|---|-----------------|------------|---------------------|
| 1 End stops              | Grey <input type="checkbox"/>  | BADH  | 1SNA116900R2700 | 50         | 24.00               |
| 2 End sections           | Grey <input type="checkbox"/>  | FEM6D   | 1SNA118499R2300 | 20         | 2.70                |
| 3 Jumper bars            |                                | 2 poles                                       | BJMI6D-2        | 10         | 4.00                |
|                          |                                | 3 poles                                       | BJMI6D-3        | 10         | 6.00                |
|                          |                                | 4 poles                                       | BJMI6D-4        | 10         | 8.00                |
|                          |                                | 5 poles                                       | BJMI6D-5        | 10         | 10.00               |
|                          |                                | 10 poles                                      | BJMI6D-10       | 10         | 20.00               |
| 4 Lateral jumper bars    |                                | 10 poles                                      | PC61-10         | 10         | 5.00                |
| 5 Cross spacing jumpers  |                                | 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in | EL6             | 10         | 0.10                |
| 6 Terminal block markers | White <input type="checkbox"/> | Blank card                                    | RC610           | 1          | 7.50                |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

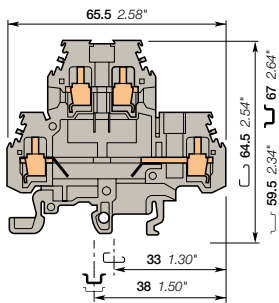
All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

# M4/6.DE screw clamp terminal blocks

## Component holder - 6 mm 0.236 in spacing



M4/6.DE



6 mm 0.236 in spacing

### Description

Customize yourself the double deck terminal blocks by soldering electronic components (thickness 5 mm 0.200 in max).

### Ordering details

| Description                                     | Color                         | Type    | Order code      | Pkg<br>pce | Weight<br>(1 pce) g |
|---|-------------------------------|---------|-----------------|------------|---------------------|
| Component holder Upper and lower circuit opened | Grey <input type="checkbox"/> | M4/6.DE | 1SNA115185R0500 | 50         | 20.00               |

### Main technical data

|   |                          | IEC                      | UL            | CSA           |
|---|--------------------------|--------------------------|---------------|---------------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded | 0.5-4 mm <sup>2</sup>    | 22-12 AWG     | 22-12 AWG     |
|   | Flexible                 | 0.5-4 mm <sup>2</sup>    |               |               |
|   | with insulated ferrule   |                          |               |               |
| Gauge                                   |                          | A4                       |               |               |
| Rated current / Rated cross section     |                          | 26 A / 4 mm <sup>2</sup> | 20 A / 12 AWG | 20 A / 12 AWG |
| Rated short-time withstand current (1s) |                          | 480 A                    |               |               |
| Rated voltage                           |                          | 500 V                    | 600 V         | 300 V         |
| Impulse withstand voltage               |                          |                          |               |               |
| Protection                              |                          | IP20                     | NEMA 1        |               |

### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | G32, TH 35-7.5, TH 35-15                 |
| Wire stripping length |  | 8.5 mm<br>0.33 in                        |
| Tool                  |  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| Torque                |  | 0.5 - 0.6 Nm<br>4.4 - 5.3 lb.in          |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

|    |      |      |     |        |
|----|------|------|-----|--------|
|    |      |      |     |        |
| CE | RoHS | ULSR | CSA | Goet R |

### Accessories

| Description   | Color                          | Type      | Order code      | Pkg<br>pce | Weight<br>(1 pce) g |
|---|--------------------------------|-----------|-----------------|------------|---------------------|
| 1 End stops 12 mm 0.472 in  | Grey <input type="checkbox"/>  | BADH      | 1SNA116900R2700 | 50         | 24.00               |
| 2 End sections 1 mm 0.039 in  | Grey <input type="checkbox"/>  | FEM6D     | 1SNA118499R2300 | 20         | 2.70                |
| 3 Jumper bars 2 poles 32 A  |                                | BJMI6D-2  | 1SNA179668R2000 | 10         | 4.00                |
|   |                                | BJMI6D-3  | 1SNA179669R2100 | 10         | 6.00                |
|   |                                | BJMI6D-4  | 1SNA179670R2600 | 10         | 8.00                |
|   |                                | BJMI6D-5  | 1SNA179671R1300 | 10         | 10.00               |
|   |                                | BJMI6D-10 | 1SNA179672R1400 | 10         | 20.00               |
| 4 Lateral jumper bars 10 poles 35 A                                   |                                | PC61-10   | 1SNA163311R2200 | 10         | 5.00                |
| 5 Cross spacing jumpers 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in |                                | EL6       | 1SNA173627R2100 | 10         | 0.10                |
| 6 Terminal block markers Blank card                                   | White <input type="checkbox"/> | RC610     | 1SNA233000R0100 | 1          | 7.50                |

Complete list of accessories is indicated in the terminal block datasheet.

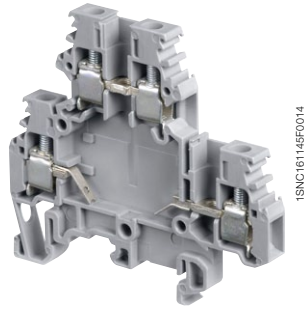
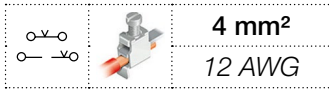
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic.  
Technical data valid for copper conductors only.

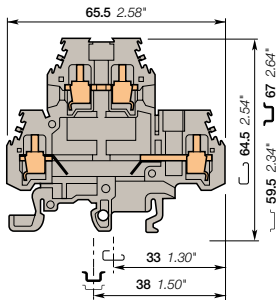


# M4/6.DE screw clamp terminal blocks

## Component holder - 6 mm 0.236 in spacing



M4/6.DE



6 mm 0.236 in spacing

### Description

Customize yourself the double deck terminal blocks by soldering electronic components (thickness 5 mm 0.200 in max).

### Ordering details

| Description                           | Color                         | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------------|-------------------------------|----------|-----------------|---------|------------------|
| Component holder Lower circuit opened | Grey <input type="checkbox"/> | M4/6.DE1 | 1SNA115177R1400 | 50      | 20.00            |

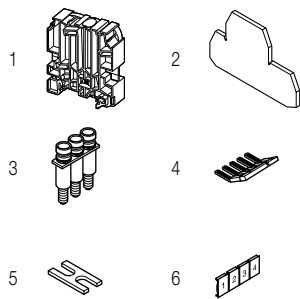
### Main technical data

|  |                                 | IEC                      | UL            | CSA           | Mounting instructions |  |
|--|---------------------------------|--------------------------|---------------|---------------|-----------------------|--|
| 1 conductor per clamp                          | Rigid - Solid / Stranded        | 0.5-4 mm <sup>2</sup>    | 22-12 AWG     | 22-12 AWG     | Rail                  | G32, TH 35-7.5, TH 35-15                 |
|  | Flexible with insulated ferrule | 0.5-4 mm <sup>2</sup>    |               |               | Wire stripping length | 8.5 mm 0.33 in                           |
|  | Gauge                           | A4                       |               |               | Tool                  | Flat screwdriver<br>Ø 4 mm<br>Ø 0.157 in |
| <b>Rated current / Rated cross section</b>     |                                 | 26 A / 4 mm <sup>2</sup> | 20 A / 12 AWG | 20 A / 12 AWG | Torque                | 0.5 - 0.6 Nm<br>4.4 - 5.3 lb.in          |
| <b>Rated short-time withstand current (1s)</b> |                                 | 480 A                    |               |               |                       |  |
| <b>Rated voltage</b>                           |                                 | 500 V                    | 600 V         | 300 V         |                       |  |
| <b>Impulse withstand voltage</b>               |                                 |                          |               |               |                       |  |
| <b>Protection</b>                              |                                 | IP20                     | NEMA 1        |               |                       |  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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### Accessories



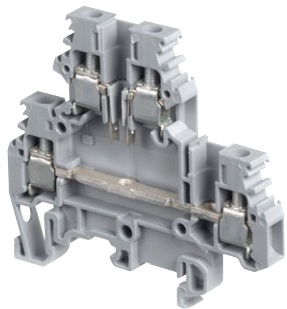
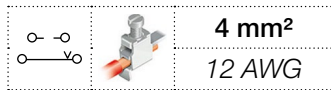
| Description   | Color                          | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|---|--------------------------------|-----------|-----------------|---------|------------------|
| 1 End stops 12 mm 0.472 in  | Grey <input type="checkbox"/>  | BADH      | 1SNA116900R2700 | 50      | 24.00            |
| 2 End sections 1 mm 0.039 in  | Grey <input type="checkbox"/>  | FEM6D     | 1SNA118499R2300 | 20      | 2.70             |
| 3 Jumper bars 6 mm 32 A   |                                | BJMI6D-2  | 1SNA179668R2000 | 10      | 4.00             |
|   |                                | BJMI6D-3  | 1SNA179669R2100 | 10      | 6.00             |
|   |                                | BJMI6D-4  | 1SNA179670R2600 | 10      | 8.00             |
|   |                                | BJMI6D-5  | 1SNA179671R1300 | 10      | 10.00            |
|   |                                | BJMI6D-10 | 1SNA179672R1400 | 10      | 20.00            |
| 4 Lateral jumper bars 10 poles 35 A                                   |                                | PC61-10   | 1SNA163311R2200 | 10      | 5.00             |
| 5 Cross spacing jumpers 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in |                                | EL6       | 1SNA173627R2100 | 10      | 0.10             |
| 6 Terminal block markers Blank card                                   | White <input type="checkbox"/> | RC610     | 1SNA233000R0100 | 1       | 7.50             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

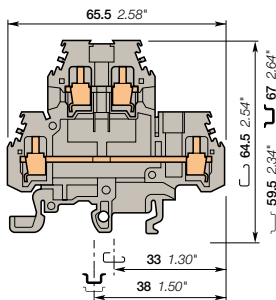
# M4/6.DE screw clamp terminal blocks

## Component holder - 6 mm 0.236 in spacing



1SNC161157F0014

M4/6.DE



6 mm 0.236 in spacing

### Description

Customize yourself the double deck terminal blocks by soldering electronic components (thickness 5 mm 0.200 in max).

### Ordering details

| Description                           | Color                         | Type     | Order code      | Pkg pce | Weight (1 pce) g |
|---------------------------------------|-------------------------------|----------|-----------------|---------|------------------|
| Component holder Upper circuit opened | Grey <input type="checkbox"/> | M4/6.DE2 | 1SNA115326R1100 | 50      | 20.00            |

### Main technical data

|  | IEC  | UL   | CSA           | Mounting instructions   |
|--|--|--|---------------|---|
| <b>1 conductor per clamp</b>                   | Rigid - Solid / Stranded<br>Flexible with insulated ferrule<br>Gauge | 0.5-4 mm <sup>2</sup><br>0.5-4 mm <sup>2</sup><br>A4 | 22-12 AWG     | Rail  G32, TH 35-7.5, TH 35-15<br>Wire stripping length  8.5 mm 0.33 in<br>Tool  Flat screwdriver Ø 4 mm Ø 0.157 in |
| <b>Rated current / Rated cross section</b>     | 26 A / 4 mm <sup>2</sup>   |  | 20 A / 12 AWG |   |
| <b>Rated short-time withstand current (1s)</b> | 480 A  |  |               |   |
| <b>Rated voltage</b>                           | 500 V  |  | 300 V         |   |
| <b>Impulse withstand voltage</b>               |  |  |               |   |
| <b>Protection</b>                              | IP20   | NEMA 1   |               | Torque  0.5 - 0.6 Nm 4.4 - 5.3 lb.in  |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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### Accessories

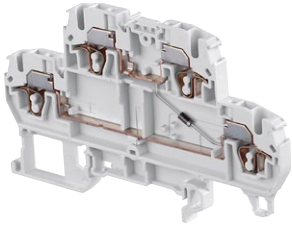
| Description  | Color                          | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|--|--------------------------------|-----------|-----------------|---------|------------------|
| 1 <b>End stops</b> 12 mm 0.472 in  | Grey <input type="checkbox"/>  | BADH      | 1SNA116900R2700 | 50      | 24.00            |
| 2 <b>End sections</b> 1 mm 0.039 in  | Grey <input type="checkbox"/>  | FEM6D     | 1SNA118499R2300 | 20      | 2.70             |
| 3 <b>Jumper bars</b> 2 poles 32 A  |                                | BJMI6D-2  | 1SNA179668R2000 | 10      | 4.00             |
| 3 poles  |                                | BJMI6D-3  | 1SNA179669R2100 | 10      | 6.00             |
| 4 poles  |                                | BJMI6D-4  | 1SNA179670R2600 | 10      | 8.00             |
| 5 poles  |                                | BJMI6D-5  | 1SNA179671R1300 | 10      | 10.00            |
| 10 poles   |                                | BJMI6D-10 | 1SNA179672R1400 | 10      | 20.00            |
| 4 <b>Lateral jumper bars</b> 10 poles 35 A                                   |                                | PC61-10   | 1SNA163311R2200 | 10      | 5.00             |
| 5 <b>Cross spacing jumpers</b> 5 mm 0.200 in - 6 mm 0.236 in - 8 mm 0.315 in |                                | EL6       | 1SNA173627R2100 | 10      | 0.10             |
| 6 <b>Terminal block markers</b> Blank card                                   | White <input type="checkbox"/> | RC610     | 1SNA233000R0100 | 1       | 7.50             |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in italic. Technical data valid for copper conductors only.

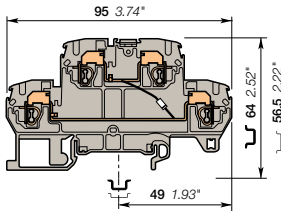
# D2.5/5.DD.L spring terminal blocks

## Component holder - 5 mm 0.197 in spacing



1SNC162113R0014

D2.5/5.DD.L



5 mm 0.197 in spacing

### Description

- Protect or test your circuit with one 1N4007 diode,
- Numerous builtin functions : single jumper system, clearly visible top marker, test sockets, etc,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

### Ordering details

| Description  | Color                         | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|--|-------------------------------|-------------|-----------------|---------|------------------|
| Component holder<br>With diode, cathode on the lower circuit | Grey <input type="checkbox"/> | D2.5/5.DD.L | 1SNA290164R0300 | 50      | 13.00            |

### Main technical data

|  | IEC   | UL  | CSA           |
|--|---|---|---------------|
| <b>1 conductor per clamp</b>                   | Rigid Solid / Stranded<br>Flexible<br>with non insulated ferrule<br>with insulated ferrule<br>Gauge | 0.12-4 mm <sup>2</sup><br>0.12-2.5 mm <sup>2</sup><br>0.5-1.5 mm <sup>2</sup><br>A2 | 26-12 AWG     |
| <b>Rated current / Rated cross section</b>     | 20 A / 2.5 mm <sup>2</sup>  |   | 20 A / 12 AWG |
| <b>Rated short-time withstand current (1s)</b> | 300 A   |   |               |
| <b>Rated voltage</b>                           | 500 V   |   | 300 V         |
| <b>Impulse withstand voltage</b>               |   |   |               |
| <b>Protection</b>                              | IP20  | NEMA 1  |               |

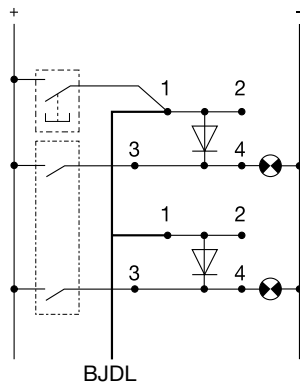
### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | TH 35-7.5,<br>TH 35-15                     |
| Wire stripping length |  | 9.5 mm<br>0.37 in                          |
| Tool                  |  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |

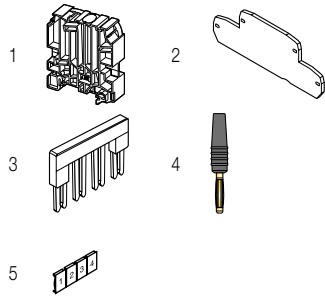
The connecting capacity data for one Rigid Solid / Stranded Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

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| RoHS | cCSAus | Gost R |

### Typical lamp test application



BJDL



### Accessories

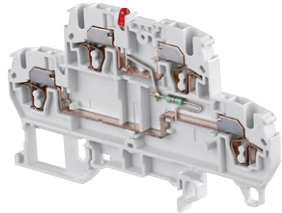
| Description              | Color                           | Type     | Order code      | Pkg pce         | Weight (1 pce) g |      |
|--------------------------|---------------------------------|----------|-----------------|-----------------|------------------|------|
| 1 End stops              | Grey <input type="checkbox"/>   | BADH     | 1SNA116900R2700 | 50              | 24.00            |      |
| 2 End sections           | Grey <input type="checkbox"/>   | FED5.D.L | 1SNA291441R2600 | 20              | 4.20             |      |
| 3 Jumper bars            | Orange <input type="checkbox"/> | 2 poles  | BJDL5-2         | 1SNA291102R2300 | 50               | 1.00 |
|                          |                                 | 3 poles  | BJDL5-3         | 1SNA291103R2400 | 50               | 0.70 |
|                          |                                 | 4 poles  | BJDL5-4         | 1SNA291104R2500 | 50               | 0.80 |
|                          |                                 | 5 poles  | BJDL5-5         | 1SNA291105R2600 | 20               | 0.90 |
|                          |                                 | 10 poles | BJDL5-10        | 1SNA291110R2600 | 20               | 1.20 |
| 4 Test plugs             | Black <input type="checkbox"/>  | FC2.MC   | 1SNA107239R0300 | 20              | 1.00             |      |
| 5 Terminal block markers | White <input type="checkbox"/>  | RC510    | 1SNA231000R0700 | 1               | 5.20             |      |

Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

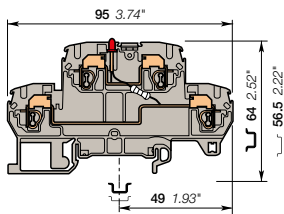
# D2.5/5.DL.L spring terminal blocks

## Component holder - 5 mm 0.197 in spacing



1SNC162113F0014

D2.5/5.DL.L



5 mm 0.197 in spacing

### Description

- Quickly identify the circuit status thanks to the indicator,
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

### Ordering details

| Description      | Color                         | Type        | Order code      | Pkg pce | Weight (1 pce) g |
|------------------|-------------------------------|-------------|-----------------|---------|------------------|
| Component holder | Grey <input type="checkbox"/> | D2.5/5.DL.L | 1SNA290166R0500 | 50      | 13.00            |

### Main technical data

|   | IEC                        | UL                       | CSA           |
|---|----------------------------|--------------------------|---------------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded   | 0.12-4 mm <sup>2</sup>   | 26-12 AWG     |
|   | Flexible                   | 0.12-2.5 mm <sup>2</sup> |               |
|   | with non insulated ferrule | 0.5-1.5 mm <sup>2</sup>  |               |
|   | with insulated ferrule     | A2                       |               |
| Gauge                                   |                            |                          |               |
| Rated current / Rated cross section     | 20 A / 2.5 mm <sup>2</sup> |                          | 20 A / 12 AWG |
| Rated short-time withstand current (1s) | 300 A                      |                          |               |
| Rated voltage                           | 500 V                      |                          | 300 V         |
| Impulse withstand voltage               |                            |                          |               |
| Protection                              | IP20                       | NEMA 1                   |               |

### Mounting instructions

|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | TH 35-7.5, TH 35-15                        |
| Wire stripping length |  | 9.5 mm<br>0.37 in                          |
| Tool                  |  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |

The connecting capacity data for one Rigid - Solid / Stranded - Flexible conductor (when applicable) is a mandatory information required by IEC, UL and CSA standards. All other data are provided as supplementary information only. For more details, please consult our CB, UL or CSA certificates and technical datasheet available on <http://www.ABB.com>

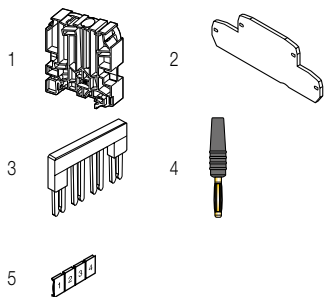
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| RoHS <input type="checkbox"/> |        |        |  |  |  |  |  |  |  |
| RoHS                          | cCSAus | Gost R |  |  |  |  |  |  |  |

### Accessories

| Description                         | Color                           | Type     | Order code      | Pkg pce         | Weight (1 pce) g |      |
|-------------------------------------|---------------------------------|----------|-----------------|-----------------|------------------|------|
| 1 End stops 12 mm 0.472 in          | Grey <input type="checkbox"/>   | BADH     | 1SNA116900R2700 | 50              | 24.00            |      |
| 2 End sections 2.5 mm 0.098 in      | Grey <input type="checkbox"/>   | FED5.D.L | 1SNA291441R2600 | 20              | 4.20             |      |
| 3 Jumper bars 2 poles 24 A          | Orange <input type="checkbox"/> | BJDL5-2  | 1SNA291102R2300 | 50              | 1.00             |      |
|                                     |                                 | 3 poles  | BJDL5-3         | 1SNA291103R2400 | 50               | 0.70 |
|                                     |                                 | 4 poles  | BJDL5-4         | 1SNA291104R2500 | 50               | 0.80 |
|                                     |                                 | 5 poles  | BJDL5-5         | 1SNA291105R2600 | 20               | 0.90 |
|                                     |                                 | 10 poles | BJDL5-10        | 1SNA291110R2600 | 20               | 1.20 |
| 4 Test plugs DIA 2 mm 0.079 in      | Black <input type="checkbox"/>  | FC2.MC   | 1SNA107239R0300 | 20              | 1.00             |      |
| 5 Terminal block markers Blank card | White <input type="checkbox"/>  | RC510    | 1SNA231000R0700 | 1               | 5.20             |      |

Complete list of accessories is indicated in the terminal block datasheet.

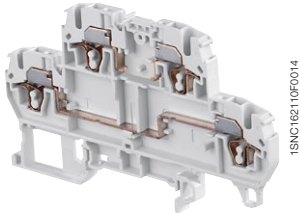
Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



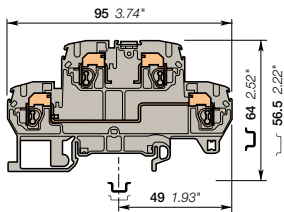
All the technical data for UL/CSA standard and dimensions in inches are in italic.  
Technical data valid for copper conductors only.

# D2.5/5.DE2.L spring terminal blocks

## Component holder - 5 mm 0.197 in spacing



D2.5/5.DE2.L



### Description

- Customize yourself the double deck terminal blocks by soldering electronic components (max thickness : 4 mm 0.157 in),
- Easy to access thanks to the front wiring entry,
- Clamping contact pressure non dependent on the operator and automatic creeping compensation.

### Ordering details

| Description                         | Color                         | Type         | Order code      | Pkg pce | Weight (1 pce) g |
|-------------------------------------|-------------------------------|--------------|-----------------|---------|------------------|
| Component holder Upper circuit open | Grey <input type="checkbox"/> | D2.5/5.DE2.L | 1SNA290186R2200 | 50      | 13.00            |

### Main technical data

|   |                            | IEC                        | UL     | CSA           |
|---|----------------------------|----------------------------|--------|---------------|
| 1 conductor per clamp                   | Rigid - Solid / Stranded   | 0.12-4 mm <sup>2</sup>     |        | 26-12 AWG     |
|   | Flexible                   | 0.12-2.5 mm <sup>2</sup>   |        |               |
|   | with non insulated ferrule |                            |        |               |
|   | with insulated ferrule     | 0.5-1.5 mm <sup>2</sup>    |        |               |
| Gauge                                   |                            | A2                         |        |               |
| Rated current / Rated cross section     |                            | 20 A / 2.5 mm <sup>2</sup> |        | 20 A / 12 AWG |
| Rated short-time withstand current (1s) |                            | 300 A                      |        |               |
| Rated voltage                           |                            | 500 V                      |        | 300 V         |
| Impulse withstand voltage               |                            |                            |        |               |
| Protection                              |                            | IP20                       | NEMA 1 |               |

### Mounting instructions

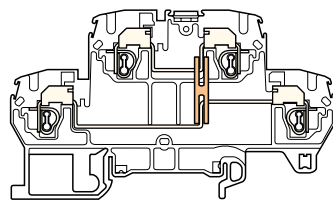
|                       |  |  |
|-----------------------|--|--|
| Rail                  |  | TH 35-7.5,<br>TH 35-15                     |
| Wire stripping length |  | 9.5 mm<br>0.37 in                          |
| Tool                  |  | Flat screwdriver<br>Ø 3.5 mm<br>Ø 0.138 in |

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5 mm 0.197 in spacing

### Notes

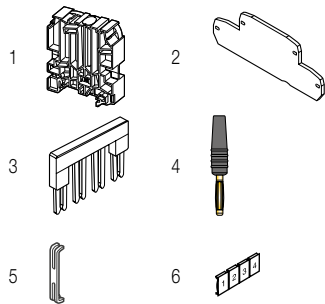


Mounting of the inner deck jumper bar between decks (ITVE.L)

### Accessories

| Description              | Color                           | Type     | Order code      | Pkg pce         | Weight (1 pce) g |      |
|--------------------------|---------------------------------|----------|-----------------|-----------------|------------------|------|
| 1 End stops              | Grey <input type="checkbox"/>   | BADH     | 1SNA116900R2700 | 50              | 24.00            |      |
| 2 End sections           | Grey <input type="checkbox"/>   | FED5.D.L | 1SNA291441R2600 | 20              | 4.20             |      |
| 3 Jumper bars            | Orange <input type="checkbox"/> | 2 poles  | 1SNA291102R2300 | 50              | 1.00             |      |
|                          |                                 | 3 poles  | BJDL5-2         | 50              | 0.70             |      |
|                          |                                 | 4 poles  | BJDL5-3         | 1SNA291103R2400 | 50               | 0.80 |
|                          |                                 | 5 poles  | BJDL5-4         | 1SNA291104R2500 | 20               | 0.90 |
|                          |                                 | 10 poles | BJDL5-5         | 1SNA291105R2600 | 20               | 1.20 |
| 4 Test plugs             | Black <input type="checkbox"/>  | FC2.MC   | 1SNA291110R2600 | 20              | 1.00             |      |
| 5 Inner deck jumper bars |                                 | ITVE.L   | 1SNA291349R1100 | 50              | 0.40             |      |
| 6 Terminal block markers | White <input type="checkbox"/>  | RC510    | 1SNA231000R0700 | 1               | 5.20             |      |

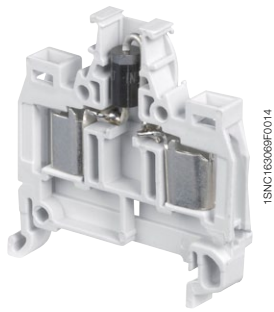
Complete list of accessories is indicated in the terminal block datasheet. Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.



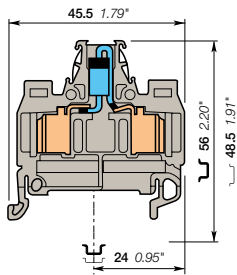
All the technical data for UL/CSA standard and dimensions in inches are in *italics*.  
Technical data valid for copper conductors only.

# D1.5/6.ADO.D IDC terminal blocks

## Component holder ADO - ADO - 6 mm 0.236 in spacing



D1.5/6.ADO.D



6 mm 0.236 in spacing

### Description

- Terminal blocks with built-in 1N5408 diode,
- With the ABB ADO System®, experience the fastest and most reliable connection on the market,
- Designed for control applications exposed to severe constraints (vibrations, shocks, corrosion etc.),
- Up to 2 wires per connection.

### Ordering details

| Description   | Color                         | Type          | Order code      | Pkg pce | Weight (1 pce) g |
|---|-------------------------------|---------------|-----------------|---------|------------------|
| Component holder<br>With diode (cathode on the right) | Grey <input type="checkbox"/> | D1.5/6.ADO.D1 | 1SNA199248R1000 | 50      | 7.00             |

### Main technical data

|   |                                       | IEC                       | UL     | CSA | Mounting instructions |  |
|---|---------------------------------------|---------------------------|--------|-----|-----------------------|--|
| ADO                                     | Rigid - Solid / Stranded              | 0.34-1.5 mm <sup>2</sup>  |        |     | Rail                  |  |
|   | Flexible                              | 0.34-1.5 mm <sup>2</sup>  |        |     | Wire stripping length |  |
| Screw clamp                             | Rigid - Solid / Stranded              |                           |        |     | Tool                  |  |
|   | Flexible with insulated ferrule Gauge |                           |        |     |                       |  |
| Rated current / Rated cross section     |                                       | 1 A / 1.5 mm <sup>2</sup> |        |     | Torque                |  |
| Rated short-time withstand current (1s) |                                       | 180 A                     |        |     |                       |  |
| Rated voltage                           |                                       | 80 V                      |        |     |                       |  |
| Impulse withstand voltage               |                                       |                           |        |     |                       |  |
| Protection                              |                                       | IP20                      | NEMA 1 |     |                       |  |

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|                               |  |  |  |  |  |  |
|-------------------------------|--|--|--|--|--|--|
| RoHS <input type="checkbox"/> |  |  |  |  |  |  |
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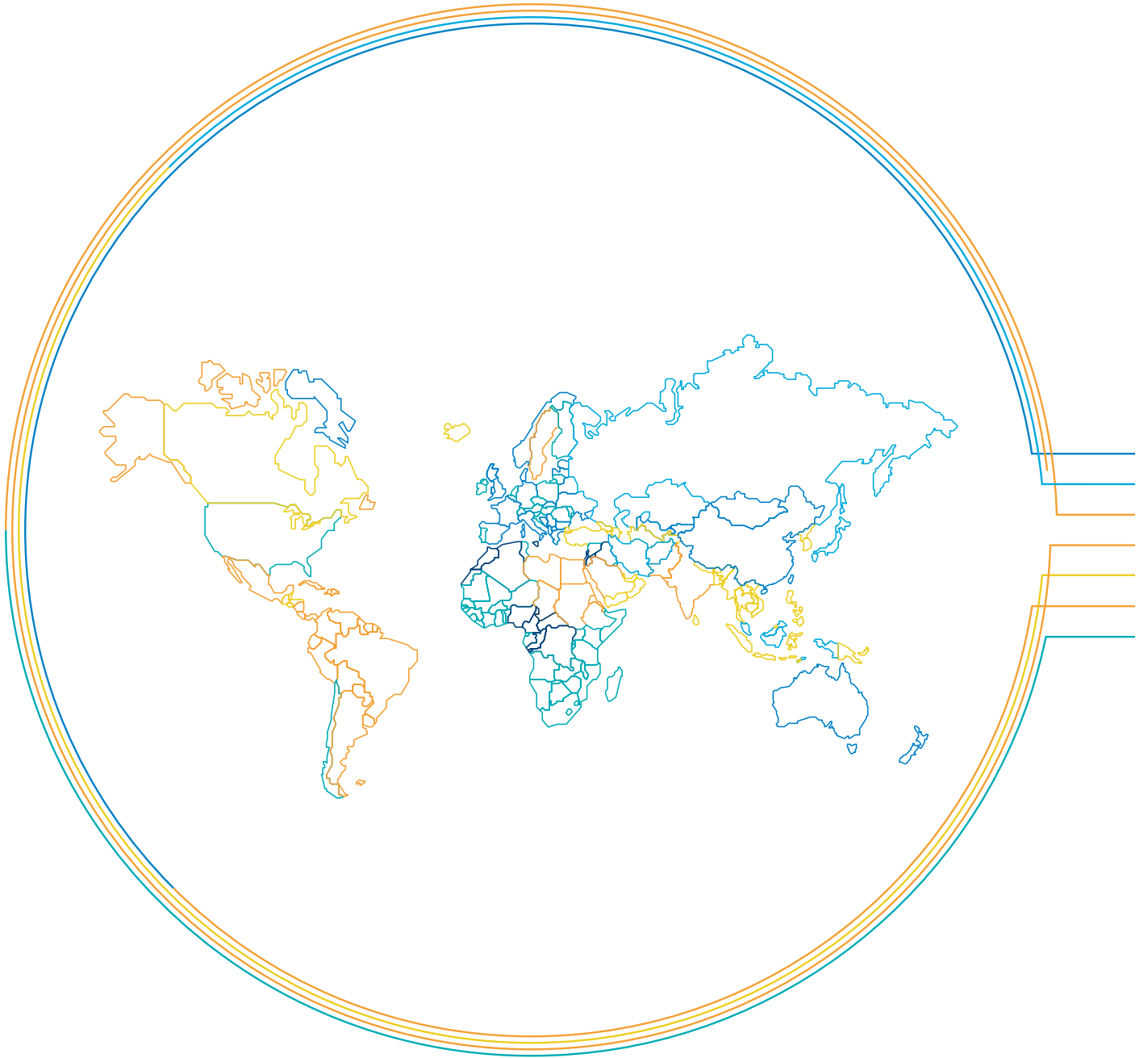
### Accessories

| Description              | Color                           | Type      | Order code      | Pkg pce | Weight (1 pce) g |
|--------------------------|---------------------------------|-----------|-----------------|---------|------------------|
| 1 End stops              | Grey <input type="checkbox"/>   | BAM2      | 1SNA206351R1600 | 50      | 12.00            |
|                          |                                 | BADL      | 1SNA399903R0200 | 50      | 4.70             |
| 2 End sections           | Grey <input type="checkbox"/>   | FEMAD3    | 1SNA199341R0500 | 20      | 2.50             |
| 3 Jumper bars            | Orange <input type="checkbox"/> | BJADO6-2  | 1SNA205974R0600 | 20      | 1.00             |
|                          |                                 | BJADO6-3  | 1SNA205975R0700 | 20      | 1.00             |
|                          |                                 | BJADO6-10 | 1SNA205982R2700 | 10      | 6.00             |
| 4 Shield connectors      |                                 | CBM5      | 1SNA178745R1400 | 50      |                  |
| 5 Tools                  |                                 | OUPAD     | 1SNA178944R0400 | 1       | 205.00           |
|                          |                                 | OUMAD     | 1SNA179466R0600 | 1       | 29.00            |
| 6 Terminal block markers | White <input type="checkbox"/>  | RC610     | 1SNA233000R0100 | 1       | 7.50             |

Complete list of accessories is indicated in the terminal block datasheet.

Some accessories such as jumper bars may modify the terminal block's ratings: complete information in the accessories catalogue pages.

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Technical data valid for copper conductors only.



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| DCB           | 1SNA105028R2100  | 174  | FEDAD10       | 1SNA399758R2700 | 34   | MA2.5/5.NT       | 1SNA125487R0600 | 216  |
| DCJ           | 1SNA173059R0300  | 106  | FEDAD4        | 1SNA199352R0000 | 29   | MA2.5/5-2CPE     | 1SNA125711R1500 | 170  |
| DCO           | 1SNA173060R0000  | 107  | FEDAD5        | 1SNA199354R0200 | 50   |                  | 1SNA400817R0000 | 170  |
| DCV           | 1SNA173058R0200  | 216  | FEDAD7        | 1SNA199382R2700 | 53   | MA2.5/5-2CPE1-Pb | 1SNA400821R0000 | 171  |
| DH1.5/6.ADO   | 1SNA299529R0600  | 144  | FEDB.L        | 1SNA290281R0100 | 121  | MA2.5/5-CPE      | 1SNA400814R0000 | 168  |
| DH2.5/5.2L    | 1SNA290261R1400  | 122  | FEDCP         | 1SNA400825R0000 | 172  |                  | 1SNA400827R0000 | 168  |
| DH4/6.ADO     | 1SNA299521R2600  | 134  | FEDR5         | 1SNA117318R2300 | 109  | MA2.5/5-CPE.1    | 1SNA400822R0000 | 169  |
| DR1.5/4       | 1SNA110106R2500  | 108  | FEDR51        | 1SNA117668R0200 | 114  | MA2.5/5-SFA-CPE  | 1SNA400816R0000 | 175  |
| DR1.5/5       | 1SNA115510R1600  | 109  | FEDR61        | 1SNA117600R0300 | 111  |                  | 1SNA400815R0000 | 174  |
| DR1.5/5.1     | 1SNA112086R0200  | 110  | FEET60        | 1SNA117755R2100 | 98   | MA2.5/5-SNB-CPE  | 1SNA105265R0300 | 106  |
| DR1.5/6.ADO   | 1SNA199283R2400  | 139  | FEET80        | 1SNA216114R1200 | 97   | MS4/6            | 1SNA115265R2400 | 106  |
| DR1/5.ADO     | 1SNA399491R2500  | 138  |               | 1SNA296114R1300 | 100  | MS4/6.N          | 1SNA125265R2600 | 106  |
| DR2.5/10.4L   | 1SNA290211R0200  | 119  | FEM12F        | 1SNA116713R1600 | 94   | MS6/8            | 1SNA115278R0100 | 107  |
| DR2.5/10.N.4L | 1SNA290213R0400  | 119  | FEM13F        | 1SNA116977R1700 | 95   | MS6/8.N          | 1SNA125278R0300 | 107  |
| DR2.5/10.P.4L | 1SNA290219R1200  | 118  | FEM6          | 1SNA118368R1600 | 68   | MTC6             | 1SNA115206R2200 | 187  |
| DR2.5/5.2L    | 1SNA290201R1100  | 118  |               | 1SNA400824R0000 | 168  | MTC6.Ex          | 1SNA146227R2500 | 187  |
| DR2.5/5.ADO   | 1SNA399509R1700  | 127  | FEM6D         | 1SNA118499R2300 | 249  | OUMAD            | 1SNA179466R0600 | 17   |
| DR2.5/5.N.2L  | 1SNA290203R1300  | 118  | FEM8S         | 1SNA116951R1500 | 115  | OUPAD            | 1SNA178944R0400 | 17   |
| DR2.5/5.S1    | 1SNA112098R1600  | 114  | FEM8T6        | 1SNA215266R0100 | 70   | PC10-10          | 1SNA163315R2600 | 160  |
| DR2.5/8.ADO   | 1SNA199287R2000  | 140  | FEM9          | 1SNA113067R1700 | 93   | PC5.34           | 1SNA290365R1400 | 188  |
| DR2.5/8.P.ADO | 1SNA299633R0600  | 140  | FEMAD3        | 1SNA199341R0500 | 41   |                  | 1SNA290366R1500 | 188  |
| DR4/6         | 1SNA110251R0500  | 111  | FEMR10        | 1SNA114434R0500 | 67   | PC5-10           | 1SNA290367R1600 | 188  |
| DR4/6.1       | 1SNA110491R1700  | 112  | FEMR8         | 1SNA116987R0200 | 65   |                  | 1SNA113544R1200 | 17   |
| DR4/6.1.N     | 1SNA120491R1100  | 112  | FEMR8T        | 1SNA116991R0600 | 69   | PC51-10          | 1SNA167908R0600 | 109  |
| DR4/6.ADO     | 1SNA199275R0300  | 128  | FEMS6         | 1SNA113885R0100 | 106  | PC5-2            | 1SNA113542R1000 | 17   |
| DR4/6.N       | 1SNA120251R0700  | 111  | FEMS8         | 1SNA114195R0600 | 107  | PC52.10          | 1SNA399683R0500 | 192  |
| DR4/6.P       | 1SNA160496R2600  | 111  | FEMSTA        | 1SNA116979R2100 | 156  |                  | 1SNA399684R0600 | 192  |
| DR4/8.ADO     | 1SNA199279R1700  | 129  | FEMT2         | 1SNA113629R2700 | 149  |                  | 1SNA399685R0700 | 192  |
| DR4/8.P.ADO   | 1SNA299632R0500  | 129  | FEMT3         | 1SNA114328R2200 | 159  | PC52.66          | 1SNA399707R1500 | 192  |
| DR4/8.SF      | 1SNA110368R1200  | 115  | FEMT4         | 1SNA114778R0500 | 156  |                  | 1SNA399708R2600 | 192  |
| DRE1.5/6.ADO  | 1SNA299554R0700  | 139  | FEMT5         | 1SNA116781R1300 | 160  | PC6-10           | 1SNA399709R2700 | 192  |
| DRE1/5.ADO    | 1SNA399495R2100  | 138  | FU520         | 1SNA008288R1500 | 34   |                  | 1SNA113548R2600 | 18   |
| DRE2.5/5.ADO  | 1SNA399513R2200  | 127  |               | 1SNA008289R1600 | 34   | PC61-10          | 1SNA163311R2200 | 31   |
| DRE2.5/8.ADO  | 1SNA299555R0000  | 140  | FUAUTO        | 1SNA008290R1300 | 34   | PC6-2            | 1SNA113546R1400 | 18   |
| DRE4/6.ADO    | 1SNA299552R0500  | 128  |               | 1SNA008291R0000 | 34   | PC6-3            | 1SNA116536R0500 | 106  |
| DRE4/8.ADO    | 1SNA299553R0600  | 129  |               | 1SNA008292R0100 | 34   | PC6-4            | 1SNA116537R0600 | 106  |
| DS1.5/6.ADO   | 1SNA299497R2700  | 135  |               | 1SNA179879R1400 | 175  | PC8-10           | 1SNA163313R2400 | 20   |
| DS2.5/10.4L   | 1SNA290231R0600  | 117  | ITVE          | 1SNA179880R0200 | 175  | PC81-10          | 1SNA173523R1100 | 33   |
| DS2.5/10.N.4L | 1SNA290233R0000  | 117  | ITVE.L        | 1SNA179694R0300 | 49   | PC8-2            | 1SNA116538R1700 | 20   |
| DS2.5/5.2L    | 1SNA290221R0400  | 116  | ITVE2         | 1SNA291349R1100 | 259  | PC8-3            | 1SNA116539R1000 | 107  |
| DS2.5/5.ADO   | 1SNA399514R2300  | 123  | M10/10.NT     | 1SNA179825R2600 | 241  | PC8-4            | 1SNA116540R2500 | 107  |
| DS2.5/5.N.2L  | 1SNA290223R0600  | 116  | M10/10.NT     | 1SNA125121R0600 | 219  | PC8-R1           | 1SNA400711R0600 | 151  |
| DS2.5/8.ADO   | 1SNA299501R0300  | 136  | M10/10.PE.N   | 1SNA165683R2200 | 233  | PC8-R2           | 1SNA400712R0700 | 151  |
| DS2.5/8.P.ADO | 1SNA199528R2100  | 136  | M10/10.RS     | 1SNA115320R2700 | 67   | PC8-R3           | 1SNA400713R0000 | 151  |
| DS4/6.ADO     | 1SNA299489R0700  | 124  | M10/10.ST-Sn  | 1SNA115539R1700 | 160  | PC8-R4           | 1SNA400724R0300 | 151  |
| DS4/8.ADO     | 1SNA299493R2300  | 125  | M120/35.AF    | 1SNA115145R1400 | 86   | PEP              | 1SNA113762R2400 | 76   |
| DS4/8.P.ADO   | 1SNA199527R1000  | 125  | M120/35.FF    | 1SNA115147R1600 | 78   | PSC              | 1SNA173181R1300 | 159  |
| DSE1.5/6.ADO  | 1SNA299558R1300  | 135  | M16/12.NT1    | 1SNA115146R1500 | 82   | PT101            | 1SNA163181R1100 | 67   |
| DSE2.5/5.ADO  | 1SNA399518R0700  | 123  | M16/12.PE.N   | 1SNA125593R0000 | 220  | RB-12W7          | 1SNA290455R1000 | 176  |
| DSE2.5/8.ADO  | 1SNA299559R1400  | 136  | M300/42.AF    | 1SNA165680R0300 | 234  | RC1010           | 1SNA238000R1600 | 67   |
| DSE4/6.ADO    | 1SNA299556R0100  | 124  | M300/42.FF    | 1SNA115148R2700 | 87   | RC410            | 1SNA229000R1500 | 108  |
| DSE4/8.ADO    | 1SNA299557R0200  | 125  | M300/42.FF    | 1SNA115150R2500 | 79   | RC510            | 1SNA231000R0700 | 17   |
| ECP26         | 1SNA113689R2400  | 76   | M35/16.NT     | 1SNA125149R2000 | 83   | RC55             | 1SNA230000R1200 | 109  |
| ECP31         | 1SNA113690R2100  | 77   | M35/16.NT     | 1SNA125358R0300 | 221  | RC610            | 1SNA233000R0100 | 18   |
| ECP35         | 1SNA113691R1600  | 78   | M35/16.PE.N   | 1SNA165575R2500 | 235  | RC65             | 1SNA232000R0000 | 111  |
| ECP42         | 1SNA113692R1700  | 79   | M35/26.AF     | 1SNA115139R1600 | 84   | RC810            | 1SNA234000R0200 | 20   |
| ECR-3         | 1SNA175263T0600  | 94   | M35/26.FF     | 1SNA115141R1000 | 76   | RCAL85           | 1SNA237000R0500 | 125  |
| EIP           | 1SNA113550R2400  | 17   | M4/6.D2.2S2   | 1SNA115140R2300 | 80   | RCT810           | 1SNA236500R0600 | 93   |
|               | 1SNA290454R0600  | 176  | M4/6.D2.2S2.T | 1SNA199444R2500 | 241  | REH3             | 1SNA163155R2600 | 97   |
| EL6           | 1SNA173627R2100  | 20   | M4/6.D2.S1R   | 1SNA199448R0100 | 242  | RPA              | 1SNA235463R2300 | 88   |
| EL61          | 1SNA1177812R1700 | 184  | M4/6.D2.S1R.T | 1SNA199452R2500 | 243  | SCAD             | 1SNA196896R0000 | 18   |
| EV61          | 1SNA206394R0200  | 70   | M4/6.DD       | 1SNA199456R2100 | 244  | SCAD5            | 1SNA199551R2000 | 17   |
| EV8S          | 1SNA168401R0300  | 151  | M4/6.DD1      | 1SNA115168R2300 | 252  | SCD              | 1SNA103189R2600 | 204  |
| FC2           | 1SNA007865R2600  | 19   | M4/6.DE       | 1SNA115184R0400 | 253  | SCDR61           | 1SNA173016R1000 | 108  |
| FC2.MC        | 1SNA107239R0300  | 53   | M4/6.DE1      | 1SNA115185R0500 | 254  | SCF6             | 1SNA118707R0300 | 68   |
| FC4           | 1SNA167860R0100  | 19   | M4/6.DE1.D    | 1SNA115177R1400 | 255  | SCF9             | 1SNA103672R0100 | 93   |
| FC4-1         | 1SNA167927R1000  | 70   | M4/6.DE1.D    | 1SNA115371R2600 | 249  | SCFCV1-2         | 1SNA116795R1100 | 106  |
| FE2CPE        | 1SNA400826R0000  | 170  | M4/6.DE1.D1   | 1SNA115591R0400 | 250  | SCFD             | 1SNA114117R0700 | 203  |
| FEAD1         | 1SNA199421R1600  | 123  | M4/6.DE2      | 1SNA115326R1100 | 256  | SCFEX1           | 1SNA103619R0400 | 233  |
| FEAD2         | 1SNA199423R1000  | 135  | M4/6.DE2.D    | 1SNA115327R1200 | 251  | SCFEX3           | 1SNA103620R0100 | 106  |
| FEAD3         | 1SNA199437R1600  | 131  | M4/6.N.RS     | 1SNA125930R1500 | 65   | SCFM6            | 1SNA114825R0500 | 68   |
| FEAD4         | 1SNA199439R2000  | 142  | M4/6.NT       | 1SNA125117R0200 | 217  | SCFT2            | 1SNA114522R0500 | 151  |
| FEAD5         | 1SNA199433R1200  | 123  | M4/6.RS       | 1SNA115930R1300 | 65   | SC-JB8-2         | 1SNK900652R0000 | 70   |
| FEAD6         | 1SNA199435R1400  | 135  | M4/6.SNTS     | 1SNA115229R2000 | 68   | SC-JB8-3         | 1SNK900653R0000 | 70   |
| FECPE.2ADO    | 1SNA291833R1700  | 178  | M4/6.ST.Au    | 1SNA115314R1500 | 159  | SC-JB8-4         | 1SNK900654R0000 | 70   |
| FECPE.ADO     | 1SNA291832R1600  | 176  | M4/6.ST.Sn    | 1SNA115313R1400 | 159  | SFB1             | 1SNA163860R0500 | 203  |
| FED1.L        | 1SNA291301R0200  | 116  | M6/12.FF      | 1SNA115262R2100 | 94   | SFB2             | 1SNA168956R0600 | 203  |
| FED10.NL      | 1SNA399592R2200  | 229  |               | 1SNA115263R2200 | 94   | SPBO.NTL         | 1SNA399886R2100 | 222  |
| FED10S1       | 1SNA215999R2100  | 157  | M6/13.FF      | 1SNA115511R0300 | 94   | TGA8             | 1SNA168672R1100 | 34   |
| FED12.2L      | 1SNA399571R0400  | 236  |               | 1SNA115626R1600 | 95   |                  | 1SNA168673R1200 | 34   |
| FED2.L        | 1SNA291311R2300  | 116  | M6/13.FF.1    | 1SNA115627R1700 | 96   |                  | 1SNA168674R1300 | 34   |
| FED2-4        | 1SNA215580R2100  | 108  | M6/8.NT       | 1SNA125119R1400 | 218  | VRADO.CPE7       | 1SNA400063R0000 | 176  |
| FED2AD1       | 1SNA199417R1200  | 27   | M6/8.RS       | 1SNA115685R1200 | 66   | VRB3             | 1SNA128035R1600 | 216  |
| FED2AD2       | 1SNA199476R2500  | 49   | M6/8.ST       | 1SNA115236R1700 | 149  | VRB6             | 1SNA128361R0100 | 220  |
| FED3E         | 1SNA116771R2000  | 184  | M6/8.ST1      | 1SNA115237R1000 | 152  | VRPA1            | 1SNA399587R2500 | 227  |
| FED5.C3.ADO   | 1SNA399678R2700  | 192  | M6/8.ST1.IP20 | 1SNA115971R1000 | 149  |                  |                 |      |
| FED5.C3.L     | 1SNA290358R2500  | 188  | M6/8.ST3      | 1SNA115239R2200 | 154  |                  |                 |      |
| FED5.C4.ADO   | 1SNA399679R2000  | 194  | M6/8.ST7      | 1SNA115243R2600 | 149  |                  |                 |      |
| FED5.C4.L     | 1SNA290360R2300  | 190  | M6/8.STA      | 1SNA115359R0200 | 156  |                  |                 |      |
| FED5.D.L      | 1SNA291441R2600  | 257  | M6/8.STPRS    | 1SNA115678R0200 | 69   |                  |                 |      |
| FED5.LA       | 1SNA291559R0400  | 222  | M6/9.EE       | 1SNA115201R2500 | 93   |                  |                 |      |
| FED5.LB       | 1SNA291560R0100  | 223  | M70/31.AF     | 1SNA115142R1100 | 85   |                  |                 |      |



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