

# 30 Compact

200 A / 360 A





BUSBAR SYSTEM TECHNOLOGY

# 30 Compact



# Compact busbar system for control systems and power distribution up to 360 A

The 30Compact busbar system is the ideal solution for distribution boards with a rated current up to 360 A. With an installation height of just 160 mm a particularly compact system can be realized. The 30Compact busbar system offers a clear space advantage compared to the 60Classic

busbar system. Especially with smaller systems and their lower power requirements, valuable space can be saved within the cabinet. For such applications the 30Compact is the ideal system.





## Busbar support 30Compact

Busbar support for easy and safe installation. 3-pole with 60 mm distance between busbar centres, also for use in UL applications.

- 3 to 5 pole busbar support
- For 12×5 and 12×10 mm (3-pole only) busbar
- With end cover
- UL listed, with 3-pole installation



## CRITO® 30Compact

Connection module with spring terminals for 30Compact for particularly simple and comfortable mounting.

- Rated current: max. 80 A
- Equipment width: 20 mm
- Connection area: 1.5 – 16 mm<sup>2</sup>
- Spring loaded technology for tool-free conductor connection
- UL listed



## QUADRON® 30Compact

NH fuse-switch disconnector Compact equipment practice, for size NH 000 fuses.

CrossLink® Technology: Tool-free mounting, spring-loaded contact and offering a particularly safe connection, changing the direction of outgoing connection is easy and safe.

- Rated current: up to 125 A
- Equipment width: 90 mm
- Connection area: 2.5 – 50 mm<sup>2</sup>



## EQUES® 30Compact

In order to mount motor starter combinations of different manufacturers, the EQUES® 30Compact busbar adapter is available.

- Rated current: 32 or 63 A
- Equipment width: 45 or 54 mm
- Moveable mounting rail
- Connection cables: 6 or 10 mm<sup>2</sup>
- Side-mounted module 9 mm wide
- UL listed





## CRITO® 30Compact

Connection terminal plates. Comfortable terminals for drill-free connection technology. Integrated touch-safe protection, Compliance with air and creepage distances for UL.

- Rated current: up to 480 A
- Equipment width: 54 or 90 mm
- Connection area: 6 – 150 mm<sup>2</sup>
- Flexible copper bars
- UL listed



## CUSTO® 30Compact

Bus mounting fuse base for D02 fuses

- Rated current: up to 63 A
- Equipment width: 36 mm
- Connection area: 1.5 – 25 mm<sup>2</sup>



## MOTUS® 30Compact

Hybrid motor starter with additional features. Integrated functions: Direct and reversing starter, overload protection and emergency stop. Space requirement and wiring cost significantly reduced.

- 3 design versions: up to 0.6 A, up to 2.4 A and up to 9 A
- Equipment width: 22.5 mm
- Hybrid switching technology
- Up to 30 mil. switching cycles
- UL listed



## OMUS® 30Compact

Hybrid switch for switching resistive loads. By means of Hybrid switch technology the power dissipation is minimised

- Up to 25 A continuous current
- Equipment width: 36 mm
- 4 integrated functions: Energy supply, fuse protection, monitoring and switching
- Switchable in a choice of 3-pole or 1-pole
- UL listed

## 30Compact – busbar system

3-pole systems, system height 160 mm



### Busbar support, with end cover

For busbar	Pack size	Weight kg/100 u.	PG	Part No.
for busbar 3-pole 12 x 5 and 12 x 10	10	6.8	06	<b>01272</b>

### UL spacer

Type	Pack size	Weight kg/100 u.	PG	Part No.
suitable for 01272	10	5.2	06	<b>01374</b>



### Copper busbars, flat busbars, tin-plated

Type	Length	Cross-section mm <sup>2</sup>	Pack size	Weight kg/100 u.	PG	Part No.
12 x 5	2400	60	1	128.4	06	<b>01618</b>
12 x 10	2400	120	1	257.0	06	<b>01623</b>

For current carrying capacity of the busbars visit [www.woehner.com](http://www.woehner.com); partial lengths on request

### Cover section, for 3-pole busbar systems

0.70 m long	2	42.0	06	<b>01314</b>
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### Mount for cover sections, for 3-pole busbar systems

for 01314	10	1.8	06	<b>01317</b>
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### Busbar cover, 1 m long

for 12 x 5 busbar, 1 m long	10	3.2	06	<b>78463</b>
for 12 - 30 x 5 busbar, 1 m long	10	8.7	06	<b>01244</b>
for 12 - 30 x 10 busbar, 1 m long	10	10.1	06	<b>01245</b>



# CRITO®30Compact – connection technology

1-pole and 3-pole, system height 160 mm



## Universal connection terminal, 1.5 to 120 mm<sup>2</sup>

For busbar	Connection min. – max.	Terminal space W x H	For use up to max.	Pack size	Weight kg/100 u.	PG		Part No.
flat busbars 5 mm	1.5 - 16 mm <sup>2</sup> , AWG 14 - 6	7,5 x 7,5	180 A	100	2.1	07		<b>01284</b>
	4 - 35 mm <sup>2</sup> , AWG 10 - 2	10,5 x 11	270 A	50	4.6	07		<b>01285</b>
	16 - 70 mm <sup>2</sup> , AWG 14 - 2/0	14 x 14	400 A	25	7.1	07		<b>01287</b>
	16 - 120 mm <sup>2</sup> , AWG 4 - MCM 250	17 x 15	440 A	25	10.6	07		<b>01068</b>
flat busbars 10 mm	1.5 - 16 mm <sup>2</sup> , AWG 14 - 6	7,5 x 7,5	180 A	100	2.3	07		<b>01289</b>
	4 - 35 mm <sup>2</sup> , AWG 10 - 2	10,5 x 11	270 A	50	4.7	07		<b>01290</b>
flat busbars 10 mm and section busbars	16 - 70 mm <sup>2</sup> , AWG 14 - 2/0	14 x 14	400 A	25	7.5	07		<b>01292</b>
	16 - 120 mm <sup>2</sup> , AWG 4 - MCM 250	17 x 15	440 A	25	10.9	07		<b>01203</b>

## Cover cap for universal connection terminal

terminal cover, for 01284 and 01289	20	0.5	07					<b>01093</b>
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## Brace terminal, up to 150 mm<sup>2</sup>, for round conductors

For busbar	Connection min. - max.	Terminal space W x H	For use up to max.	Pack size	Weight kg/100 u.	PG		Part No.
12, 15, 20 x 5, 10	* 35 - 150 mm <sup>2</sup> , AWG 2 - MCM 300, lam. Cu. 15x5 ... 20x10	20 x 22	480 A	6	10.2	07		<b>01135</b>

\* When using aluminium conductors, observe the maintenance instructions (see 8.2)

## Connection module, 3-pole, for 12 x 5 and 12 x 10 busbars, with spring terminals, with cover cap

Connection	Width	For use up to max.	Pack size	Weight kg/100 u.	PG		Part No.
with integrated spring terminals 1.5 - 16 mm <sup>2</sup> , AWG 14 - 6	20	80 A	6	16.0	07		<b>01562</b>

## Connection terminal plate, 3-pole, for 12 x 5 and 12 x 10 busbars, with cover cap

6 - 50 mm <sup>2</sup> , AWG 10 - 2/0, lam. Cu. 7x4 ... 9x10	54	300 A	1	20.6	07		<b>01401</b>
35 - 150 mm <sup>2</sup> , AWG 2 - MCM 300, lam. Cu. 15x5 ... 20x10	90	480 A	1	57.5	07		<b>01165</b>

## Busbar connecting terminal, for identical busbars

For busbar	System spacing	Width	For use up to max.	Pack size	Weight kg/100 u.	PG		Part No.
12, 15, 20 x 5, 10	5 - 10	55	520 A	12	19.2	07		<b>01166</b>
12, 15, 20 x 5, 10	100 - 110	150	520 A	3	52.4	07		<b>01193</b>

3 pieces required for a 3-pole connection, use 01317 and 01314 as cover





# EQUES®30Compact – MOTUS®30Compact and OMUS®30Compact

Busbar adapter and hybrid switch for switching of inductive and resistive loads, system height 160 mm



## Busbar adapter, 16 A, with fuse carrier, with removable top section, with leads AWG 14 (2.5 mm<sup>2</sup>)

Type	Width	Height	Pack size	Weight kg/100 u.	PG	Part No.
1 fixed mounting rail, with fuse carrier 10x38 / Class CC	22.5	160	1	18.0	05	36001

## Busbar adapter, 32 A, with leads AWG 10 (6 mm<sup>2</sup>)

1 adjustable mounting rail	45	160	4	19.8	05	32590
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## Busbar adapter, 63 A, with leads AWG 8 (10 mm<sup>2</sup>)

1 adjustable mounting rail	54	160	4	21.8	05	32591
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## Busbar adapter, 160 A, connection to system at the top

for Siemens 3VA10, 11 and 3VT160	76	160	1	78.0	05	32661
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## Side-mounted module, for busbar adapters 32 A to 63 A

for 32590 and 32591	9	160	10	2.0	05	32912
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## MOTUS®30Compact hybrid motor starter, 3-pole, with reversing function and CrossLink®Technology

0.075 - 0.6 A direct and reversing starter	22.5	160	1	61.9	21	36101
0.18 - 2.4 A direct and reversing starter	22.5	160	1	61.9	21	36104
1.5 - 9 A direct and reversing starter	22.5	160	1	61.9	21	36107

## Spare parts, for MOTUS®30Compact

electronic unit 0.075 - 0.6 A direct and reversing starter	1	57.1	21	36109
electronic unit 0.18 - 2.4 A direct and reversing starter	1	57.1	21	36110
electronic unit 1.5 - 9 A direct and reversing starter	1	57.1	21	36111
busbar adapter for MOTUS®30Compact	1	9.3	21	36113
fuse 16 A for version 0.6 A and 2.4 A	3	2.8	21	31567
fuse 20 A for version 9 A	3	2.8	21	31568
fuse 30 A for version 9 A for motors with heavy-duty starting	3	2.8	21	31569

## OMUS®30Compact hybrid switch, 3 or 1-pole switchable, for resistive loads, with CrossLink®Technology

Type	Width	Height	Pack size	Weight kg/100 u.	PG	Part No.
25 A (IEC)	36	160	1	45.2	21	36152
20 A (UL)	36	160	1	45.2	21	36157

## Spare parts, for OMUS®30Compact

electronic unit, 25 A (IEC)	1	35.7	21	36154
electronic unit, 20 A (UL)	1	35.7	21	36159
busbar adapter for OMUS®30Compact	1	10.6	21	36155
3-pole plug with spring terminals	1	1.5	21	36916
3-pole plug with screw terminals	1	1.4	21	36918
12-pole control plug with spring terminals	1	0.6	21	36917

## Spare parts fuses, for OMUS®30Compact

cylindr. fuse link 32 A	10	0.6	17	31189
cylindr. fuse link 30 A, time delay	10	0.8	17	31252



# CUSTO®30Compact and QUADRON®30Compact

3-pole fuse base and fuse-switch-disconnector, system height 160 mm



## D0 bus-mounting fuse base, with touch-safe protection

Type	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
E 18 / 63 A	36	160	6	13.0	01		<b>31554</b>

## NH bus-mounting fuse base, size 000, 3-pole

Type	Rated current	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
box terminal 1.5 - 50 mm <sup>2</sup> , outgoing terminal bottom/top	125 A	90	160	1	70.3	10		<b>03316</b>

### Accessories for NH bases

Type	Pack size	Weight kg/100 u.	PG		Part No.
grip lug cover	4	2.7	10		<b>03287</b>

## NH bus-mounting fuse-switch-disconnector, size 000, 3-pole

Type	Rated current	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
connection box terminal 1.5 - 50 mm <sup>2</sup> , outgoing terminal bottom/top	125 A	90	160	1	90.0	09		<b>33416</b>



### Accessories for fuse-switch-disconnectors

Type	Pack size	Weight kg/100 u.	PG		Part No.
changeover 250 V AC/5 A, 30 V DC/4 A	1	1.1	09		<b>33156</b>



## 30Compact – busbar system 5-pole (N/PE)

5-pole systems, system height 160 mm



### Intermediate busbar brace, 2 mm wide

Type	Pack size	Weight	PG	Part No.
to increase the mechanical strength	10	1.5	06	<b>01376</b>

### Busbar support, with end cover

for busbars 5-pole 12 x 5 and 12 x 10, N + PE 12 x 5	10	6.8	06	<b>01272</b>
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### Copper busbars, flat busbars, tin-plated

busbar 12 x 5	1	128.4	06	<b>01618</b>
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For current carrying capacity of the busbars visit [www.woehner.com](http://www.woehner.com)

### Cover section, for 3 to 5-pole busbar systems

700 x 160	2	42.0	06	<b>01314</b>
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### Mount for cover section, for 3 to 5-pole busbar systems

for 01314	10	1.8	06	<b>01317</b>
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### Base plate

700 x 160	2	26.7	06	<b>01371</b>
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### Connection set, 10 to 120 mm<sup>2</sup>, with cover cap

Type	Width	Height	Pack size	Weight kg/100 u.	PG	Part No.
connection set, 3-pole L1-L2-L3	90	160	1	60.0	07	<b>01370</b>
connection module N	30	160	1	21.5	07	<b>01364</b>
connection module PE	30	160	1	21.5	07	<b>01367</b>
connection set, 3-pole L1-L2-L3	60	160	1	51.5	07	<b>01426</b>
connection module PE + N	30	160	1	30.0	07	<b>01427</b>

### NH bus-mounting fuse-switch-disconnector, size 000, 3-pole

Type	Rated current	Width	Height	Pack size	Weight kg/100 u.	PG	Part No.
connection box terminal 1.5 - 50 mm <sup>2</sup> , outgoing terminal bottom/top	* 125 A	90	160	1	90.0	09	<b>33416</b>

\* Can only be used in 3-pole systems

### Busbar adapter, 160 A, 4-pole

for Schneider Electric INS 100/125/160, top connection to the system	141	160	1	64.0	05	<b>32640</b>
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**EQUES®30Compact – busbar adapter 32 A – 63 A**

1-pole, for miniature circuit breakers, system height 160 mm

**Busbar adapter, 32 A**, 1-pole, connection to system at the top

Type	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
1 fixed mounting rail	18	160	12	6.0	05		<b>32629</b>

Connection adjustable to L<sub>1</sub>, L<sub>2</sub>, L<sub>3</sub> or N**Busbar adapter, 63 A**, 1-pole, connection to system at the top

1 fixed mounting rail	18	160	12	6.6	05		<b>32630</b>
1 fixed mounting rail, for Schneider Electric iC60, iC65 and C60	18	160	12	7.0	05		<b>32628</b>

Connection adjustable to L<sub>1</sub>, L<sub>2</sub>, L<sub>3</sub> or N**Busbar support**, without electrical connection

1 fixed mounting rail	18	160	6	3.3	05		<b>32631</b>
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**PE/N adapter module**, with terminal 16 mm<sup>2</sup>

module PE	9	160	12	4.4	05		<b>32634</b>
module N	*	9	160	12	4.4	05	<b>32632</b>

\* Without their own locking on the busbar system. Must be plugged onto busbar adapter

**Side-mounted module**, for adapters

for single pole busbar adapters	9	160	12	1.2	05		<b>32633</b>
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**Accessories**

Type	Pack size	Weight kg/100 u.	PG		Part No.
connector to create multipole adapters	*	1	2.0	05	<b>31390</b>

\* For 50 device connections

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