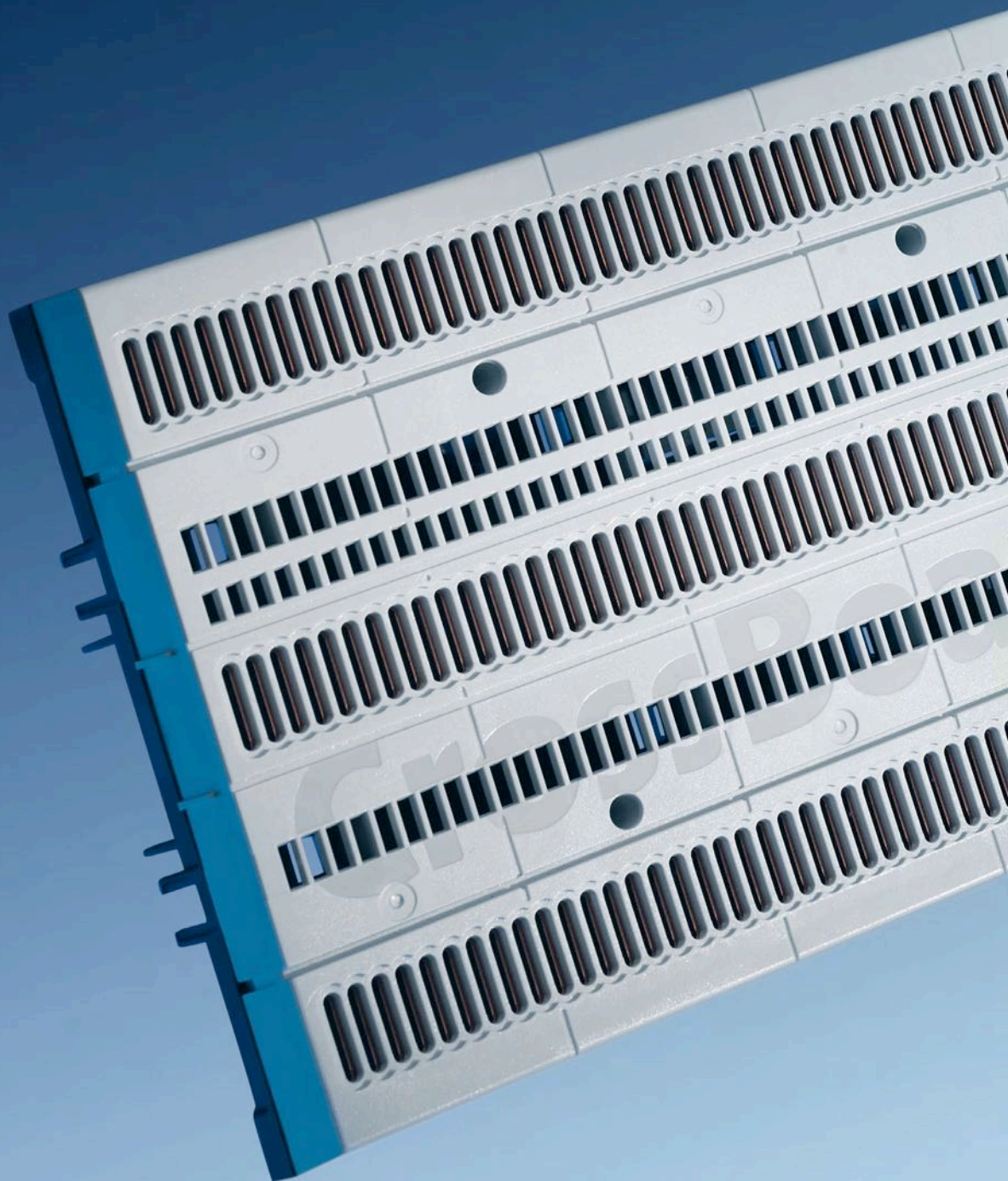
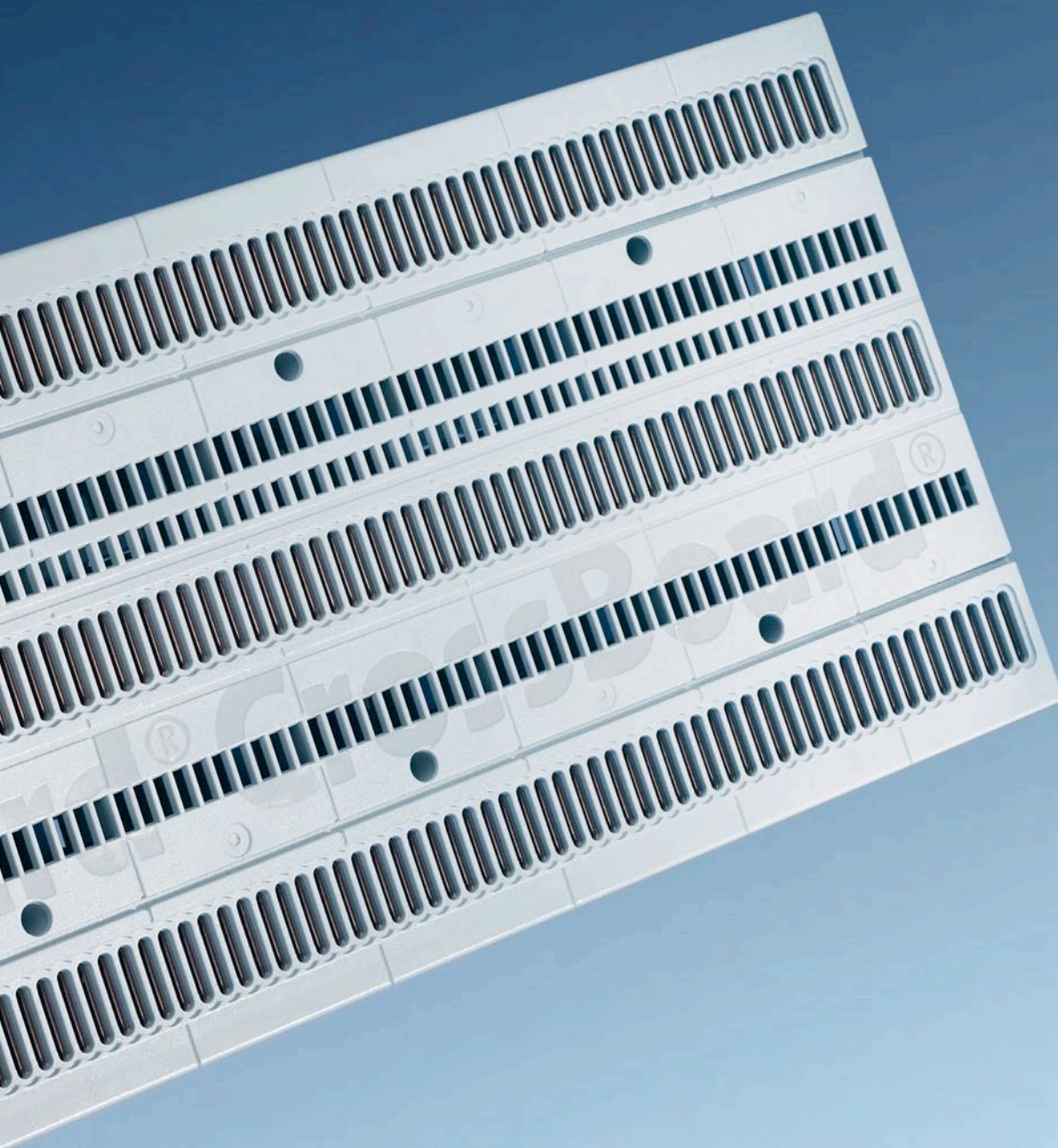


# CrossBoard®

125A







CrossBoard® TECHNOLOGY

# CrossBoard®

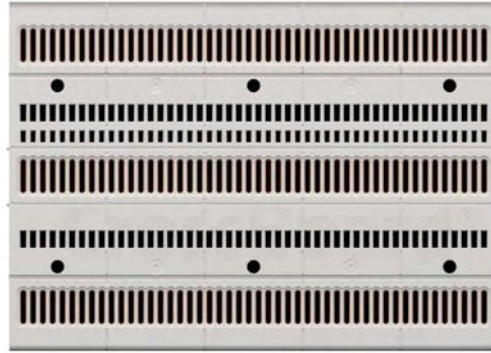


# CrossBoard® – the new basic system

Tool-free mounting combined with high safety due to the integrated touch-safe protection make CrossBoard® by Wöhner the ideal system solution for power distribution equipment up to 125 A. The user can quickly and easily snap components onto the new base system. CrossBoard® is suitable mainly for applications in machine and plant

engineering. The modular structure ensures that the systems are clearly structured and, when necessary, easy to change or expand. Motors up to 4 KW can be supplied directly from the CrossBoard® using the MOTUS® hybrid motor starter. The OMUS® hybrid switch with its low power dissipation and high life expectancy is available for resistive loads.





## CrossBoard®225

Connection and mounting platform for all components.

- Rated current: 125 A
- Equipment width: 225 mm
- Height: 160 mm
- Short-circuit capacity:  
I<sub>pk</sub> = 25 kA
- Rated voltage 690 V AC / 600 V DC (IEC), 600 V AC / 600 V DC (UL)
- UL listed



## CRITO® CrossBoard

Connection module for CrossBoard®. Particularly safe, simple and comfortable mounting. With spring terminal.

- Rated current: max. 80 A
- Equipment width: 22.5 mm
- Connection area: 1.5 – 16 mm<sup>2</sup>
- Snap lock technology for tool-free conductor connection
- UL listed



## EQUES® CrossBoard Slim

The EQUES® universal adapter in a width of 22.5 mm can be used for mounting measuring and monitoring relays.

- Rated current: 16 A
- Conductor cross-section: 2.5 mm<sup>2</sup>
- For 1 to 3 pole devices
- Fuse size for 10 × 38
- Class CC fuses up to max. 16 A
- UL listed



## OMUS® CrossBoard

Hybrid switch for switching resistive loads. The hybrid switching technology minimises power dissipation.

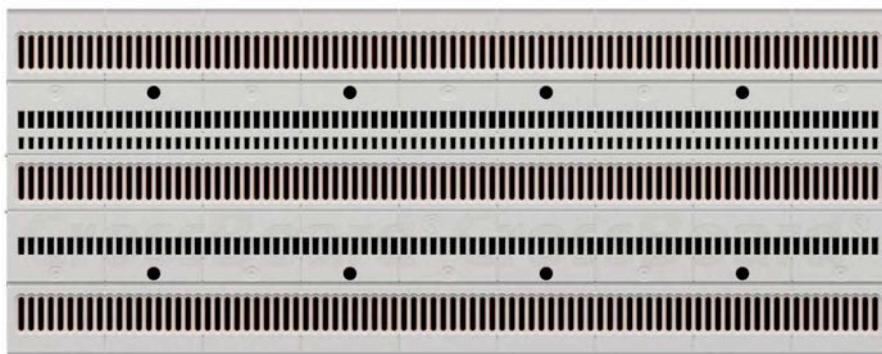
- Up to 25 A continuous current
- Equipment width: 36 mm
- 4 integrated functions: Energy supply, fuse protection, monitoring and switching
- Switchable in a choice of 3-pole or 1-pole
- UL listed



## MOTUS® CrossBoard

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



## CrossBoard®405

Connection and mounting platform for all components.

- Rated current: 125 A
- Equipment width: 405 mm
- Height: 160 mm
- Short-circuit capacity:  
I<sub>pk</sub> = 25 kA
- Rated voltage 690 V AC / 600 V DC (IEC), 600 V AC / 600 V DC (UL)
- UL listed



## EQUES® CrossBoard Basic

Busbar adapter for mounting motor protection devices. With a fixed mounting rail.

- Rated current: up to 32 A
- Equipment width: 45 mm
- Connection cables: 2.5 mm², 6 mm²
- UL listed



## EQUES® CrossBoard Comfort

In order to simply mount motor starter combinations of different manufacturers, the EQUES® CrossBoard Comfort adapter is available.

- Rated current: up to 45 A
- Equipment width: 45 mm
- Moveable mounting rail
- Connection cables: 2.5 mm², 4 mm², 6 mm² or 10 mm²
- UL listed



## BROOME10 CrossBoard

Power supply for direct connection on the CrossBoard®

- Equipment width: 45 mm
- Nominal output current up to 10 A
- Up to 4 devices cascable (40 A)
- Integrated fuse protection

# CrossBoard® basic system

3-pole up to 125 A



## CrossBoard® modular power distribution system, with touch-safe protection and CrossLink®Technology

| Type           | Rated current | Width | Height | Pack size | Weight kg/100 u. | PG |  | Part No.     |
|----------------|---------------|-------|--------|-----------|------------------|----|--|--------------|
| CrossBoard®225 | 125 A         | 225   | 160    | 1         | 79.0             | 06 |  | <b>11225</b> |
| CrossBoard®405 |               | 405   |        | 1         | 137.3            | 06 |  | <b>11405</b> |



## CRITO®CrossBoard connection module, 3-pole, with SnapLock connection technology, cover cap and CrossLink®Technology

| Type   | For use up to max. | Width | Height | Pack size | Weight kg/100 u. | PG |  | Part No.     |
|--|--------------------|-------|--------|-----------|------------------|----|--|--------------|
| with integrated spring terminals 1.5 - 16 mm <sup>2</sup> , AWG 14 - 6 | 80 A               | 22.5  | 160    | 1         | 19.0             | 07 |  | <b>01592</b> |



## BROOME10®CrossBoard, with touch-safe protection with Crosslink®Technology

| Type                        | Nominal output current | Width | Height | Pack size | Weight kg/100 u. | PG |  | Part No.     |
|-----------------------------|------------------------|-------|--------|-----------|------------------|----|--|--------------|
| 24V, with push-in terminals | 10 A                   | 45    | 160    | 1         | 54.0             | 21 |  | <b>36200</b> |

Parallel connection for increased current and series connection for increased voltage possible  
Available from 1st quarter 2018



# MOTUS®CrossBoard and OMUS®CrossBoard

Hybrid switch for switching of inductive and resistive loads



## MOTUS®CrossBoard hybrid motor starter, 3-pole, with reversing function and CrossLink®Technology

| Type   | Rated current | Width | Height | Pack size | Weight kg/100 u. | PG |  | Part No. |
|--|---------------|-------|--------|-----------|------------------|----|--|----------|
| electronic unit 0.075 - 0.6 A direct and reversing starter | 0.6 A         | 22.5  | 160    | 1         | 57.1             | 21 |  | 36109    |
| electronic unit 0.18 - 2.4 A direct and reversing starter  | 2.4 A         |       |        | 1         | 57.1             | 21 |  | 36110    |
| electronic unit 1.5 - 9 A direct and reversing starter     | 9 A           |       |        | 1         | 57.1             | 21 |  | 36111    |

## Replacement fuses, for MOTUS®CrossBoard

| Type  | Pack size | Weight kg/100 u. | PG |  | Part No. |
|---|-----------|------------------|----|--|----------|
| 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®CrossBoard hybrid switch, 3 or 1-pole switchable, for resistive loads, with CrossLink®Technology

| Type                        | Rated current | Width | Height | Pack size | Weight kg/100 u. | PG |  | Part No. |
|-----------------------------|---------------|-------|--------|-----------|------------------|----|--|----------|
| electronic unit, 25 A (IEC) | 25 A          | 36    | 160    | 1         | 35.7             | 21 |  | 36154    |
| electronic unit, 20 A (UL)  | 20 A          |       |        | 1         | 35.7             | 21 |  | 36159    |

Supplied with both load and control plug

## Replacement components, for OMUS®CrossBoard

| Type                                       | Pack size | Weight kg/100 u. | PG |  | Part No. |
|--|-----------|------------------|----|--|----------|
| 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    |

## Replacement fuses, for OMUS®CrossBoard

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





# EQUES®CrossBoard – Adapter 16 A – 45 A

3-pole



## Adapter Slim, 16 A, with fuse carrier, with CrossLink®Technology, with leads AWG 14 (2.5 mm<sup>2</sup>)

| Type  | Rated current | Width | Height | Pack size | Weight kg/100 u. | PG |  | Part No.     |
|---|---------------|-------|--------|-----------|------------------|----|--|--------------|
| 1 fixed mounting rail, with fuse carrier 10x38 / Class CC | 16 A          | 22.5  | 160    | 1         | 18.0             | 05 |  | <b>36009</b> |



## Adapter Basic, with CrossLink®Technology

| Type  | Rated current | Width | Height | Pack size | Weight kg/100 u. | PG |  | Part No.     |
|---|---------------|-------|--------|-----------|------------------|----|--|--------------|
| 1 fixed mounting rail, with leads AWG 14 (2.5 mm <sup>2</sup> ) | 16 A          | 45    | 160    | 1         | 8.8              | 05 |  | <b>32666</b> |
| 1 fixed mounting rail, with leads AWG 10 (6 mm <sup>2</sup> )   | 32 A          |       |        | 1         | 12.4             | 05 |  | <b>32682</b> |



## Adapter Comfort, with CrossLink®Technology

| Type  | Rated current | Width | Height | Pack size | Weight kg/100 u. | PG |  | Part No.     |
|---|---------------|-------|--------|-----------|------------------|----|--|--------------|
| 1 adjustable mounting rail, with leads AWG 14 (2.5 mm <sup>2</sup> )  | 16 A          | 45    | 160    | 1         | 10.6             | 05 |  | <b>32668</b> |
| 1 adjustable mounting rail, with leads 160 mm long AWG 14 (2.5 mm <sup>2</sup> ), for devices with spring terminal technology | 16 A          |       |        | 1         | 10.6             | 05 |  | <b>32669</b> |
| 1 adjustable mounting rail, with leads AWG 14 (2.5 mm <sup>2</sup> )  | 25 A          |       |        | 1         | 11.6             | 05 |  | <b>32676</b> |
| 1 adjustable mounting rail, with leads AWG 10 (6 mm <sup>2</sup> )  | 32 A          |       |        | 1         | 12.4             | 05 |  | <b>32684</b> |
| 1 adjustable mounting rail, with leads 160 mm long AWG 10 (6 mm <sup>2</sup> ), for devices with spring terminal technology   | 32 A          |       |        | 1         | 12.4             | 05 |  | <b>32686</b> |
| 1 adjustable mounting rail, with leads AWG 8 (10 mm <sup>2</sup> )  | 45 A          |       |        | 1         | 14.8             | 05 |  | <b>32692</b> |

Article 32669 and 32686 available from 1st quarter 2018

## Extension components, for Adapter Comfort

| Article                              | Type            | Width | Pack size | Weight kg/100 u. | PG |  | Part No.     |
|--------------------------------------|-----------------|-------|-----------|------------------|----|--|--------------|
| extension module for direct starters | 40 mm extension | 45    | 8         | 0.1              | 05 |  | <b>32933</b> |
| extension set for reversing starters |                 | 90    | 4         | 0.1              | 05 |  | <b>32934</b> |

## Accessories, for Adapter Comfort

|  |    |     |    |  |              |
|--|----|-----|----|--|--------------|
| mounting rail 45 mm                      | 10 | 1.4 | 05 |  | <b>32947</b> |
| positioning piece for Siemens S00 and S0 | 10 | 0.1 | 05 |  | <b>32952</b> |
| positioning piece for Eaton PKZ          | 10 | 0.1 | 05 |  | <b>32979</b> |





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