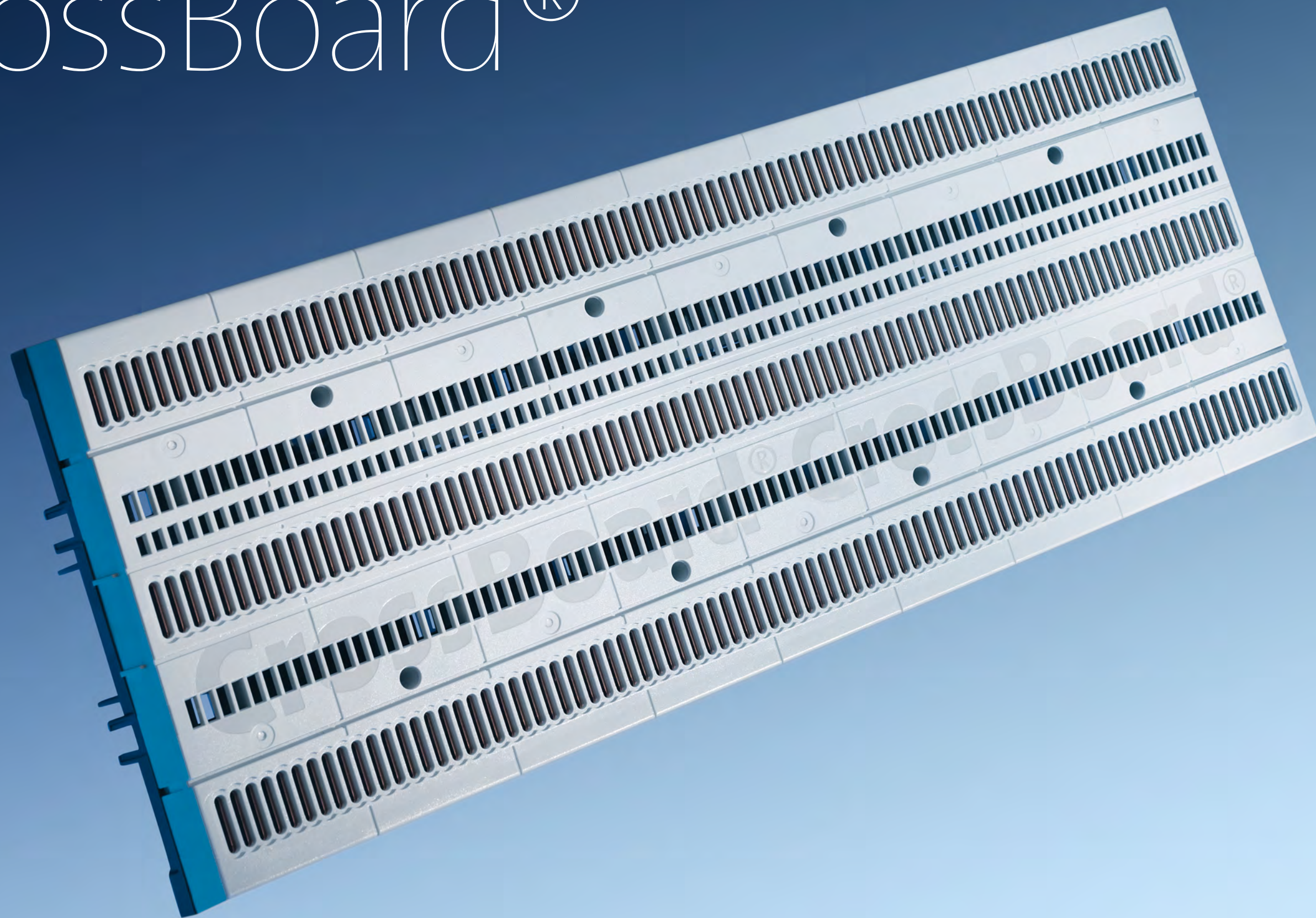


# CrossBoard®





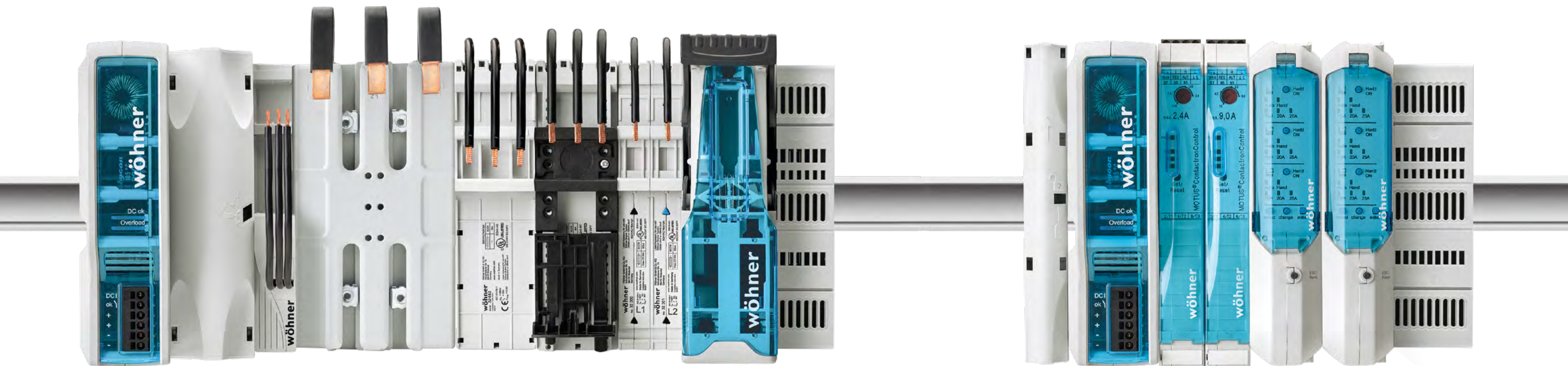
## POWER DISTRIBUTION SYSTEM

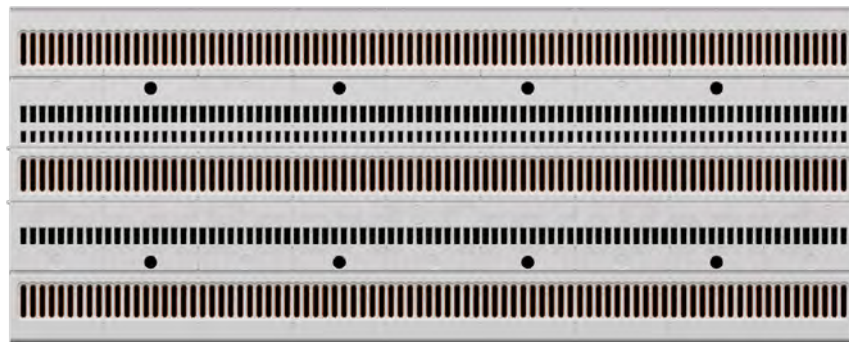
## CrossBoard®

## CrossBoard® – the global basic system

Tool-free mounting combined with outstanding safety thanks to integrated touch-safe protection makes 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 global basic system. The feeding of the system can be achieved via connection modules or the NH fuse-switch-disconnector size 000. CrossBoard® is suitable mainly for applications in machine tool and plant engineering.

The modular structure ensures that the systems are clearly structured and, when necessary, easy to change or expand. Motors of up to 4 kW can be supplied directly from the CrossBoard® using the MOTUS® hybrid motor starter. The OMUS® hybrid switch is available for resistive loads with its low power dissipation and high life expectancy thanks to hybrid switch technology. The power supply for supplying the devices with control voltage can be integrated directly on the CrossBoard®.





## CrossBoard®

- Basic system - connection and mounting platform for all components
- rated current 125 A
  - equipment width: 225 or 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



## CRITO® CrossBoard

- Connection modules for CrossBoard®. Particularly simple, safe and convenient mounting.
- rated current: 80 A or 125 A
  - equipment width: 22.5 or 45 mm
  - connection range: 1.5 - 16 mm² or 6 - 50 mm²
  - equipment width 22.5 mm with SnapLock technology for tool-free mounting of cables with CRITO® 22.5 mm
  - UL listed



## EQUES® CrossBoard

- The EQUES® universal adapter can be used to mount measuring and monitoring relays.
- rated current 16 A
  - equipment width 22.5 mm
  - connection leads 2.5 mm²
  - for 1- to 3- pole devices
  - fuse compartment for 10x38 Class CC fuses up to max. 16 A
  - UL listed



## EQUES® CrossBoard

- Adapter of 18 mm width, suitable for mounting miniature circuit breakers from various manufacturers.
- rated current: 16 A or 63 A
  - equipment width 18 mm
  - 1 fixed mounting rail
  - connection leads: 2.5 mm² or 10 mm²
  - can be combined into 1- to 4-pole adapters via accessories
  - UL listed



## EQUES® CrossBoard

- Adapter for mounting motor protection devices with a fixed DIN rail.
- rated current up to 32 A
  - equipment width 45 mm
  - connection leads: 2.5 mm² or 6 mm²
  - UL listed



## EQUES® CrossBoard

- The EQUES®CrossBoard adapters are available for simple mounting of motor starter combinations from various manufacturers.
- rated current up to 45 A
  - equipment width 45 mm
  - adjustable mounting rail
  - connection leads: 2.5 mm², 4 mm², 6 mm² or 10 mm²
  - accessories for mounting of contactors
  - UL listed



## EQUES® CrossBoard

- Adapter, 90 mm wide, to accept circuit breakers of different manufacturers.
- rated current 160 A
  - equipment width 90 mm
  - fixing adjustable to the circuit breaker
  - tool-free mounting of the adapter
  - UL listed



## OMUS® CrossBoard

- Hybrid switch for switching resistive loads. The hybrid switch technology minimises power dissipation.
- continuous current up to 25 A
  - equipment width 36 mm
  - 4 integrated functions: energy supply, fuse protection, monitoring and switching
  - 3-pole or 1-pole switching
  - UL listed



## MOTUS® CrossBoard

- Hybrid motor starter with integrated functions: direct and reversing starter, overload protection and emergency stop function. Significantly reduced space requirements and wiring costs.
- 3 design versions: up to 0.6 A, up to 2.4 A and up to 9 A
  - equipment width 22.5 mm
  - hybrid switch technology
  - up to 30 mil. switching cycles
  - versions with IO-Link interface
  - UL listed



## BROOME10® CrossBoard

- Power supply for direct connection on the CrossBoard®.
- rated voltage 24 V DC
  - nominal output current 10 A
  - equipment width 45 mm
  - no back-up fuse required
  - series and parallel connection to expand the current and voltage range
  - UL listed



## QUADRON® CrossBoard

- NH fuse-switch-disconnector size 000 with only 49.5 mm equipment width. For feeding the CrossBoard® or a fused tap.
- rated current 125 A
  - for NH fuse-links size 000
  - equipment width 49.5 mm
  - box terminals 6 - 50 mm²
  - connection at top and bottom
  - utilisation category AC 22B, AC 21B



## CrossBoard® - CRITO® - QUADRON® - BROOME10®

3-pole



**CrossBoard® basic system**, touch-safe protected with **CrossLink® interface**

Type	Rated current	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
CrossBoard®225	125 A	225	160	1	79.8	06		<b>11225</b>
CrossBoard®405	125 A	405		1	137.2	06		<b>11405</b>



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

Type	For use up to max.	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
with integrated spring terminals 1.5 - 16 mm², AWG 14 - 6	80 A	22.5	160	1	21.5	07		<b>01592</b>
with box terminals 6 - 50 mm² / AWG 10 - AWG 1	125 A	45		1	25.0	07		<b>01593</b>



**QUADRON®CrossBoard fuse-switch-disconnector**, size **NH 000**, with **CrossLink® interface**

Type	Rated current	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
box terminal	125 A	49.5	174.5	1	41.5	09		<b>33800</b>



**BROOME10®CrossBoard power supply**, with **CrossLink® interface**

Type	Nominal output current	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
24 V DC, with push-in terminals	10 A	45	160	1	71.8	21		<b>36200</b>

parallel connection for increased current and series connection for increased voltage possible



## MOTUS®CrossBoard - OMUS®CrossBoard

hybrid switches for switching of inductive and resistive loads



**MOTUS®CrossBoard hybrid motor starter**, 3-pole, with reversing function and **CrossLink® interface**

Type	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
electronic unit 0.075 - 0.6 A direct and reversing starter	22.5	160	1	50.9	21		<b>36109</b>
electronic unit 0.18 - 2.4 A direct and reversing starter			1	50.7	21		<b>36110</b>
electronic unit 1.5 - 9 A direct and reversing starter			1	51.4	21		<b>36111</b>

**MOTUS®CrossBoard hybrid motor starter IO-Link**, 3-pole, with reversing function, **CrossLink® interface** and **communication interface**

Type	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
electronic unit IO-Link 0.18 - 3 A direct and reversing starter	22.5	160	1	51.4	21		<b>36130</b>
electronic unit IO-Link 1.5 - 9 A direct and reversing starter			1	51.4	21		<b>36131</b>

**Replacement fuse**, 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		<b>31567</b>
fuse 20 A for version 9 A	3	2.8	21		<b>31568</b>
fuse 30 A for version 9 A for motors with heavy-duty starting	3	2.8	21		<b>31569</b>



**OMUS®CrossBoard hybrid switch**, 3- or 1-pole switchable, for resistive loads, with **CrossLink® interface**

Type	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
electronic unit, 25 A (IEC)	36	160	1	55.2	21		<b>36154</b>
electronic unit, 20 A (UL)			1	55.2	21		<b>36159</b>

supplied with both load and control plug

**Replacement component**, for OMUS®CrossBoard

Type	Pack size	Weight kg/100 u.	PG		Part No.
3-pole load plug with spring terminals	1	1.5	21		<b>36916</b>
3-pole load plug with screw terminals	1	1.4	21		<b>36918</b>
12-pole control plug with spring terminals	1	0.6	21		<b>36917</b>

**Replacement fuse**, for OMUS®CrossBoard

cylindr. fuse link 32 A	10	0.6	22		<b>31189</b>
cylindr. fuse link 30 A, time delay	10	0.8	22		<b>31252</b>



## EQUES®CrossBoard - Adapters 16 A - 63 A

1-pole, 3-pole



### EQUES®CrossBoard adapter and component support, 1-pole, for MCBs, with CrossLink® interface

Type	Rated current	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
phase L1, 1 fixed mounting rail, with leads AWG 14 (2.5 mm²)	16 A	18	160	6	6.0	05		32300
phase L2, 1 fixed mounting rail, with leads AWG 14 (2.5 mm²)	16 A			6	6.0	05		32301
phase L3, 1 fixed mounting rail, with leads AWG 14 (2.5 mm²)	16 A			6	6.0	05		32302
phase L1, 1 fixed mounting rail, with leads AWG 8 (10 mm²)	63 A			6	6.6	05		32307
phase L2, 1 fixed mounting rail, with leads AWG 8 (10 mm²)	63 A			6	6.6	05		32308
phase L3, 1 fixed mounting rail, with leads AWG 8 (10 mm²)	63 A			6	6.6	05		32309
without electrical connection, 1 fixed mounting rail				6	3.3	05		32311



### EQUES®CrossBoard adapter with fuse-carrier, with leads AWG 14 (2,5 mm²), with CrossLink® interface

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	12.9	05		36009

Fuse links not included



### EQUES®CrossBoard adapter, basic version, with CrossLink® interface

Type	Rated current	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
1 fixed mounting rail, with leads AWG 14 (2.5 mm²)	16 A	45	160	1	12.4	05		32666
1 fixed mounting rail, with leads AWG 10 (6 mm²)	32 A			1	14.0	05		32682



## EQUES®CrossBoard - Adapters 16 A - 160 A

1-pole, 3-pole



### EQUES®CrossBoard adapter and component support, comfort version, with CrossLink® interface

Type	Rated current	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
1 adjustable mounting rail, with leads AWG 14 (2.5 mm²)	16 A	45	160	1	14.0	05		32668
1 adjustable mounting rail, with leads AWG 14 (2.5 mm²) 160 mm long, for devices with spring terminal technology	16 A			1	10.6	05		32669
2 adjustable mounting rails, with double-leads 2x AWG 12 (2x 4 mm²) 101 / 258 mm long	25 A			1	14.0	05		32677
1 adjustable mounting rail, with leads AWG 12 (4 mm²)	25 A			1	14.5	05		32676
1 adjustable mounting rail, with leads AWG 10 (6 mm²)	32 A			1	15.6	05		32684
1 adjustable mounting rail, with leads AWG 10 (6 mm²) 160 mm long, for devices with spring terminal technology	32 A			1	12.4	05		32686
1 adjustable mounting rail, with leads AWG 8 (10 mm²)	45 A			1	18.0	05		32692
without electrical connection, 1 adjustable mounting rail				9	9.0	05		32665

### Extension component, for adapter comfort version

Article	Type	Width	Pack size	Weight kg/100 u.	PG		Part No.
extension module for direct starters	40 mm extension	45	8	2.2	05		32933
extension set for reversing starters		90	4	7.3	05		32934

### Accessories, for adapter comfort version

mounting rail 45 mm	10	1.4	05		32947
positioning piece for Siemens S00 and S0	10	1.7	05		32952
positioning piece for Eaton PKZ	10	1.2	05		32979



### EQUES®CrossBoard adapter, with CrossLink® interface

Type	Rated current	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
ABB Tmax XT1, Allen-Bradley 140G-G, Siemens 3VA10, 3VA11, 3VA51	160 A	90	160	1	40.0	05		32690
ABB Tmax XT2, Allen-Bradley 140G-H, Eaton NZM1, Schneider Electric NSXm	160 A			1	40.0	05		32691

