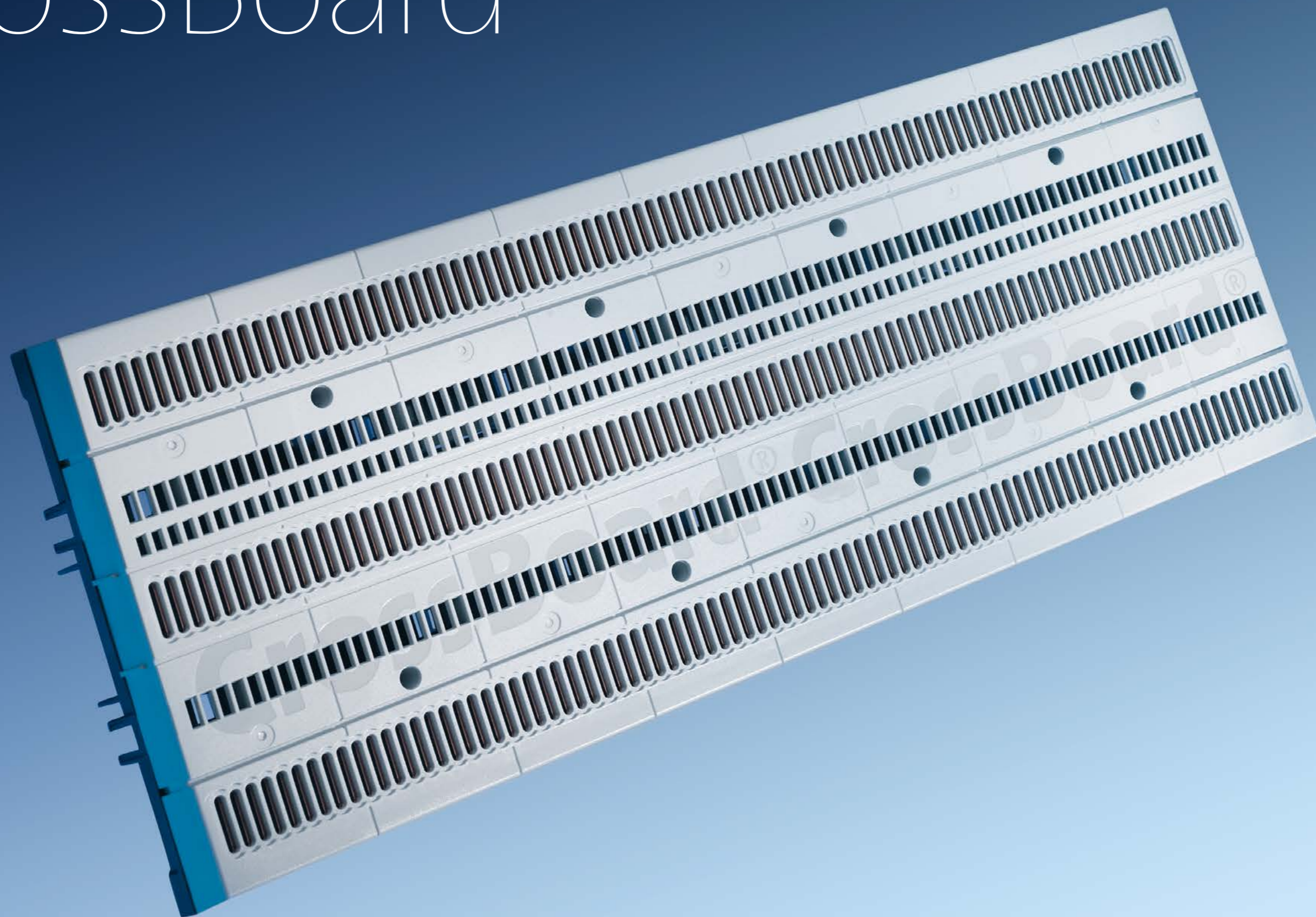


CrossBoard®



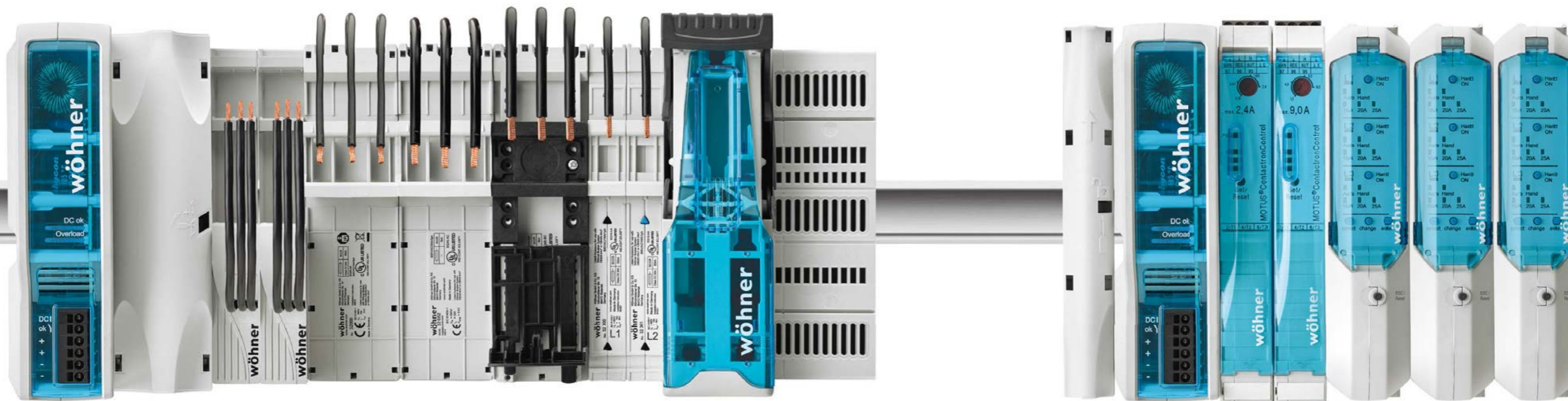
POWER DISTRIBUTION SYSTEM

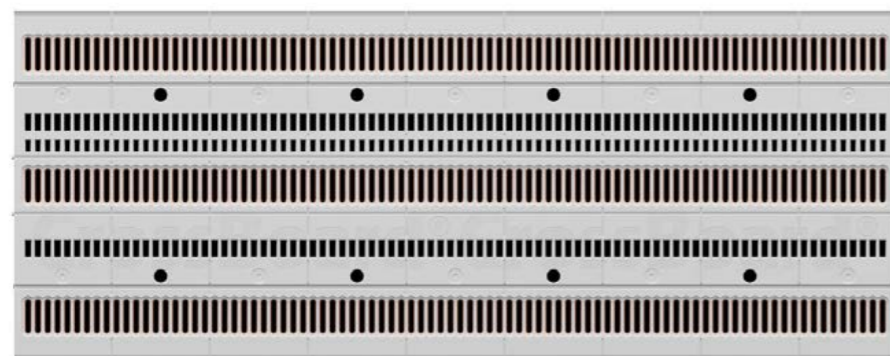
CrossBoard®

CrossBoard® – the global basic system

Tool-free mounting combined with outstanding safety thanks to 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 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®

- Connection and mounting platform for all components.
- rated current 125 A
 - equipment width: 225 or 405 mm
 - height 160 mm
 - short-circuit capacity I_{pk}=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 cables: 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 cross-section 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 cables: 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 cables: 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 cables: 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
 - UL listed



BROOME10® CrossBoard

- Power supply for direct connection on the CrossBoard®.
- output voltage 24 Vdc
 - 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® - Basic systems

3-pole up to 125 A



CrossBoard® power distribution 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	11225
CrossBoard®405		405		1	137.2	06	11405



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 mm ² , AWG 14 - 6	80 A	22.5	160	1	21.5	07	01592
with box terminals 6 - 50 mm ² / AWG 10 - AWG 1	125 A	45	160	1	25.0	07	01593



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

Type	Rated current	Width	Height	Pack size	Weight kg/100 u.	PG	Part No.
box terminal	125 A	49.5	173	1	41.5	09	33800



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	36200

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



MOTUS®CrossBoard - OMUS®CrossBoard

Hybrid switch for switching of inductive and resistive loads



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

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	50.9	21	36109
electronic unit 0.18 - 2.4 A direct and reversing starter	2.4 A			1	50.7	21	36110
electronic unit 1.5 - 9 A direct and reversing starter	9 A			1	51.4	21	36111

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	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® interface

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

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	36916
3-pole load plug with screw terminals	1	1.4	21	36918
12-pole control plug with spring terminals	1	0.6	21	36917

Replacement fuse, for OMUS®CrossBoard

Type	Pack size	Weight kg/100 u.	PG	Part No.
cylindr. fuse link 32 A	10	0.6	22	31189
cylindr. fuse link 30 A, time delay	10	0.8	22	31252



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 mm ²)	16 A	18	160	6	6.0	05	32300
phase L2, 1 fixed mounting rail, with leads AWG 14 (2.5 mm ²)	16 A	18	160	6	6.0	05	32301
phase L3, 1 fixed mounting rail, with leads AWG 14 (2.5 mm ²)	16 A	18	160	6	6.0	05	32302
phase L1, 1 fixed mounting rail, with leads AWG 8 (10 mm ²)	63 A	18	160	6	6.6	05	32307
phase L2, 1 fixed mounting rail, with leads AWG 8 (10 mm ²)	63 A	18	160	6	6.6	05	32308
phase L3, 1 fixed mounting rail, with leads AWG 8 (10 mm ²)	63 A	18	160	6	6.6	05	32309
without electrical connection, 1 fixed mounting rail		18	160	6	3.3	05	32311



EQUES®CrossBoard adapter with fuse-carrier 16 A, 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



EQUES®CrossBoard - Adapters 16 A - 160 A

1-pole, 3-pole



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 mm ²)	16 A	45	160	1	12.4	05	32666
1 fixed mounting rail, with leads AWG 10 (6 mm ²)	32 A			1	14.0	05	32682



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 mm ²)	16 A	45	160	1	14.0	05	32668
1 adjustable mounting rail, with leads 160 mm long AWG 14 (2.5 mm ²), for devices with spring terminal technology	16 A			1	10.6	05	32669
1 adjustable mounting rail, with leads AWG 14 (2.5 mm ²)	25 A			1	14.5	05	32676
1 adjustable mounting rail, with leads AWG 10 (6 mm ²)	32 A			1	15.6	05	32684
1 adjustable mounting rail, with leads 160 mm long AWG 10 (6 mm ²), for devices with spring terminal technology	32 A			1	12.4	05	32686
1 adjustable mounting rail, with leads AWG 8 (10 mm ²)	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, 160 A, with CrossLink® Interface

Article	Width	Pack size	Weight kg/100 u.	PG	Part No.
universal version up to 160 A, mounting distance 25 mm	90	1	50.0	05	32690
universal version up to 160 A, mounting distance 30 mm	90	1	50.0	05	32691

