

30Compact



30 MM / 60 MM BUSBAR SYSTEM

30 Compact

Compact busbar system for control technology and power distribution equipment up to 360 A

The 30Compact busbar system is the ideal solution for distribution boards with a rated current up to 360 A. The installation height of just 160 mm allows a particularly compact system to be realised. 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.



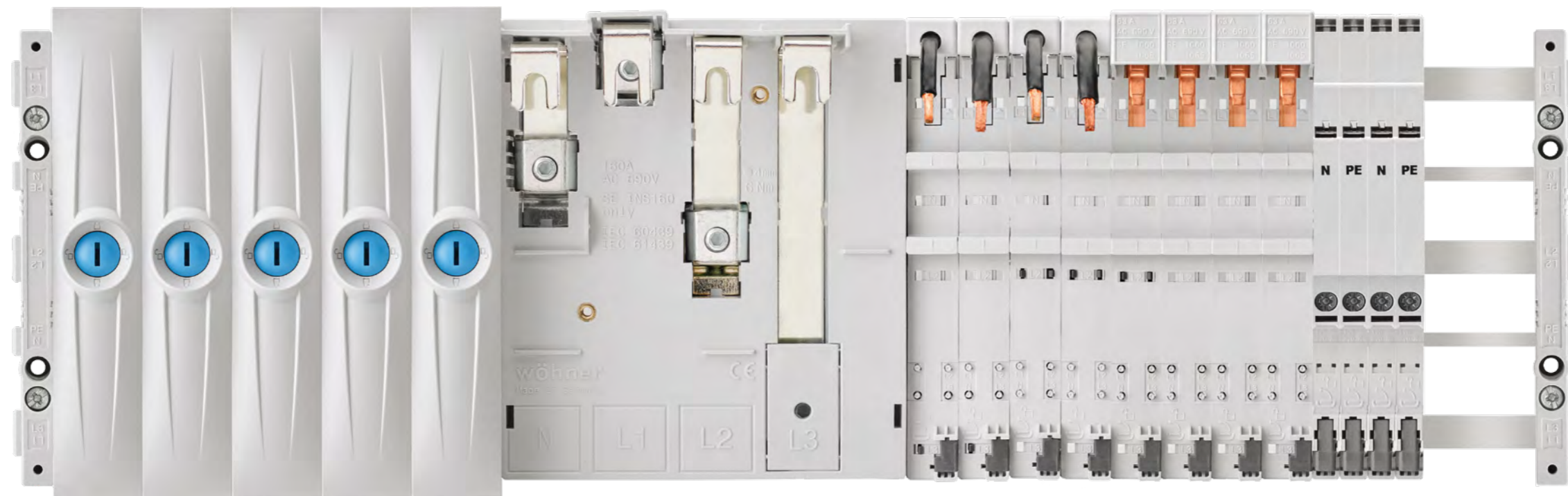
30 MM / 60 MM BUSBAR SYSTEM

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30Compact 5-pole – space-saving solution for distribution systems with miniature circuit breakers

In addition to the 3 phases, N and PE conductors can be arranged between the phase bars maintaining an installation height of just 160 mm. For distribution systems up to 200 A, 5-pole systems can be built in a space-saving manner with convenient connection.

For connection, 1-pole modules for conductors up to 120 mm² or adapters for switch-disconnectors are available. The adapters for mounting miniature circuit breakers up to 63 A can be variably adjusted to the tapping of the different phases and combined as required to form multipole adapters.



Busbars 30Compact

- 12 x 5 mm for 3- and 5-pole applications
- 12 x 10 mm for 3-pole applications
- tin-plated versions
- proven load current capacity
- proven short-circuit capacity
- UL listed

Busbar support 30Compact

- Busbar support for easy and safe installation. 3-pole with 60 mm distance between busbar centres, also for UL-compliant applications.
- 3- to 5- pole busbar support
- for 12 x 5 and 12 x 10 mm (3-pole only) busbars
- with end cover
- UL listed, in connection with 3-pole installation

CRITO® 30Compact

- Connection module with spring terminals for 30Compact allows especially simple, safe and convenient mounting.
- rated current max. 80 A
- equipment width 20 mm
- connection range 1.5 - 16 mm²
- spring-loaded technology for quick conductor connection
- UL listed

CRITO® 30Compact

- Connection terminal plates. Convenient terminals for drill-less connection technology. Integrated touch-safe protection, complies with air and creepage distances as per UL.
- rated current up to 480 A
- equipment width: 54 or 90 mm
- connection range: 6 - 50 mm² or 35 - 150 mm²
- lam. Cu bars
- UL listed

EQUES® 30Compact

- Adapter of 18 mm width, suitable for mounting miniature circuit breakers from various manufacturers.
- rated current: 32 A or 63 A
- equipment width 18 mm
- 1 fixed mounting rail
- connection leads: 6 or 10 mm²
- can be combined into 1- to 4-pole adapters via accessories
- side, PE and N extension modules are available

EQUES® 30Compact

- The EQUES®30Compact busbar adapters are available for easy mounting of motor starter combinations from various manufacturers.
- rated current: up to 32 A or up to 63 A
- equipment width: 45 or 54 mm
- adjustable mounting rail
- connection leads: 6 or 10 mm²
- side-mounted module, 9 mm wide
- UL listed

MOTUS® 30Compact

- 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

OMUS® 30Compact

- 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

BROOME10® 30Compact

- Power supply for direct connection, including adapter with CrossLink®Technology.
- 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

CUSTO® 30Compact

- Busbar mounted fuse-base for D02 fuses.
- rated current 63 A
- equipment width 36 mm
- connection range 1.5 - 35 mm²

QUADRON® 30Compact

- Extra-slim NH fuse-switch-disconnector for size NH 000 fuses with 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 125 A
- for NH fuse-links size 000
- equipment width 49.5 mm
- box terminal 6 - 50 mm²
- utilisation category AC 22B, AC 21B
- connection at top and bottom

30Compact - Busbar systems

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	01272

UL spacer

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



BROOME10®30Compact power supply, with CrossLink®Technology

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	36201

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



Copper busbar, flat busbar, tin-plated

Type	Length	Crosssection mm ²	Pack size	Weight kg/100 u.	PG	Part No.
12 x 5	2400	60	1	128.4	06	01618
12 x 10		120	1	257.0	06	01623

for current carrying capacity of the busbars visit www.woehner.com; partial lengths on request

Cover section, for 3-pole busbar systems

0.70 m long	2	42.0	06	01314
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Mount for cover section, for 3-pole busbar systems

for 01314	10	1.8	06	01317
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Busbar cover

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



CRITO®30Compact - Connection technology

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



Universal connection terminal, 1.5 to 120 mm²

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 ² , AWG 16 - 6	7 x 7	180 A	100	2.1	07	01284
	4 - 35 mm ² , AWG 10 - 2	10 x 11	270 A	50	4.6	07	01285
	16 - 70 mm ² , AWG 14 - 2/0	14 x 14	400 A	25	7.1	07	01287
flat busbars 10 mm	16 - 120 mm ² , AWG 4 - 250 MCM	17 x 15	440 A	25	10.6	07	01068
	1.5 - 16 mm ² , AWG 16 - 6	7 x 7	180 A	100	2.3	07	01289
flat busbars 10 mm and section busbars	4 - 35 mm ² , AWG 10 - 2	10 x 11	270 A	50	4.7	07	01290
	16 - 70 mm ² , AWG 14 - 2/0	14 x 14	400 A	25	7.5	07	01292
	16 - 120 mm ² , AWG 4 - 250 MCM	17 x 15	440 A	25	10.9	07	01203

Cover cap, for universal connection terminals

terminal cover, for 01284 and 01289	20	0.5	07	01093
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Brace terminal, up to 150 mm², 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 ² , AWG 2 - 300 MCM, lam. Cu. 15 - 20 x 5 - 10	20 x 22	480 A	6	10.2	07	01135

* when using aluminium conductors, observe the maintenance instructions (see chapter 8 - Appendix subsection "Conductor connections")

Connection module, 3-pole, with spring terminals, with cover cap

For busbar	Connection	Width	For use up to max.	Pack size	Weight kg/100 u.	PG	Part No.
12 x 5, 10	with integrated spring terminals 1.5 - 16 mm ² , AWG 14 - 6	20	80 A	6	16.0	07	01562

Connection terminal plate, 3-pole, with cover cap

12 x 5, 10	6 - 50 mm ² , AWG 10 - 2/0, lam. Cu. 7 - 9 x 4 - 10	54	300 A	1	20.6	07	01401
12 x 5, 10	35 - 150 mm ² , AWG 2 - 300 MCM, lam. Cu. 15 - 20 x 5 - 10	90	480 A	1	57.5	07	01165

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	01166
12, 15, 20 x 5, 10	100 - 110	150		3	52.4	07	01193

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



EQUES®30Compact - MOTUS®30Compact - OMUS®30Compact

busbar adapters and hybrid switches for switching of inductive and resistive loads



Busbar adapter with fuse carrier, 16 A, with removable top section, with leads AWG 14 (2.5 mm²)

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 mm²)

1 adjustable mounting rail	45	160	4	19.8	05	32590
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Busbar adapter, 63 A, with leads AWG 8 (10 mm²)

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 VT160	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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Hybrid motor starter, MOTUS®30Compact, 3-pole, with reversing function and CrossLink®Technology

Type	Width	Height	Pack size	Weight kg/100 u.	PG	Part No.
0.075 - 0.6 A direct and reversing starter	22.5	160	1	55.3	21	36101
0.18 - 2.4 A direct and reversing starter			1	55.8	21	36104
1.5 - 9 A direct and reversing starter			1	55.9	21	36107

Replacement component, for MOTUS®30Compact

electronic unit 0.075 - 0.6 A direct and reversing starter	1	50.9	21	36109
electronic unit 0.18 - 2.4 A direct and reversing starter	1	50.7	21	36110
electronic unit 1.5 - 9 A direct and reversing starter	1	51.4	21	36111
busbar adapter base with CrossLink® interface	1	9.3	05	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

Hybrid switch, OMUS®30Compact, 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	62.8	21	36152
20 A (UL)			1	45.2	21	36157

Replacement component, for OMUS®30Compact

electronic unit, 25 A (IEC)	1	55.2	21	36154
electronic unit, 20 A (UL)	1	55.2	21	36159
busbar adapter base with CrossLink® interface	1	10.6	05	36155
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-link, for OMUS®30Compact

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



CUSTO®30Compact - QUADRON®30Compact

3-pole fuse-bases and fuse-switch-disconnectors, system height 160 mm



D0 busbar mounted 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	31554



NH busbar mounted fuse-switch-disconnector, size 000, 3-pole, connection at top / bottom

Type	Rated current	Width	Height	Pack size	Weight kg/100 u.	PG	Part No.
box terminal	125 A	49.5	174.5	1	52.5	09	33801
box terminal	125 A	90	160	1	90.0	09	33416

Side-mounted module, for NH busbar mounted fuse-switch-disconnector, size 000

Type	Width	Pack size	Weight kg/100 u.	PG	Part No.
attachable to both sides	3.5	10	2.2	09	33805

to extend the disconnector NH000 33801 to 53 mm wide



Pilot switch, for monitoring the disconnector lid position

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	33156

suitable for disconnector 33416 only

Accessories, busbar adapter base with CrossLink® interface

Type	Width	Height	Pack size	Weight kg/100 u.	PG	Part No.
with CrossLink® interface	* 49.5	160	2	11.2	05	32619



30Compact - Busbar systems 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	01376

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	01272
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Copper busbar, flat busbars, tin-plated

busbar 12 x 5	1	128.4	06	01618
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for current carrying capacity of the busbars visit www.woehner.com; partial lengths on request

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

700 x 160	2	42.0	06	01314
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Mount for cover section, for 3- to 5-pole busbar systems

for 01314	10	1.8	06	01317
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Base plate

700 x 160	2	26.7	06	01371
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Connection set, 10 to 120 mm², 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	01370
connection module N	30		1	21.5	07	01364
connection module PE			1	21.5	07	01367
connection set, 3-pole L1-L2-L3	60		1	51.5	07	01426
connection module PE + N	30		1	30.0	07	01427

Busbar adapter, 160 A, 4-pole

for Schneider Electric INS 100/125/160, top connection to the system	141	160	1	64.0	05	32640
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EQUES® 30Compact - Busbar adapters 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	32629

connection adjustable to L1, L2, L3 or N

Busbar adapter, 63 A, 1-pole, connection to system at the top

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

connection adjustable to L1, L2, L3 or N

Busbar component support, without electrical connection

1 fixed mounting rail	18	160	6	3.3	05	32631
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PE/N adapter module, with terminal 16 mm²

module PE	9	160	12	4.4	05	32634	
module N	*	9	160	12	4.4	05	32632

* without 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	32633
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Accessories

Type	Pack size	Weight kg/100 u.	PG	Part No.
connector to create multipole adapters (100 pieces)	* 1	2.0	05	31390

* for 50 device connections



UL certificate