

# 30Compact 200A / 360A







### System advantages

With an installed height of 160mm, the 30Compact system is a space-saving solution for distribution boards up to 360A. It offers major space advantages over conventional 60mm systems, in the power range in which 40mm systems were previously often used. Another major advantage is the possibility of combining the 30Compact system with the 60Classic system: the large variety of components provides users with a great range of benefits. Moreover, the components of the 30Compact system satisfy the requirements of large creepage and clearance distances as per UL 508. They are therefore suitable for use in North America. You can find comprehensive information about this in the Approval Overview on page 8/61 onwards, and in the Product Descriptions on the internet at [www.woehner.com](http://www.woehner.com).

If you have any further questions, our UL Hotline is at your disposal: +49 (0) 9563 / 751 508.

### Connection technology

Convenient terminals for connection without drilling are available for conductor cross-sections from 1.5 to 150mm<sup>2</sup> and flat conductors up to 2 x 20 x 10mm. Terminal plates ensure shock protection and compliance with air and creepage distances, also in accordance with North American UL and CSA standards.

### MOTUS®30Compact

Motor starter with additional functions: direct and reversing starters, overload protection and safety-oriented switch-off. The compact design with a width of just 22.5mm saves space in the control cabinet. Integrated functions considerably simplify the wiring. Furthermore, service life is extended by the hybrid switching technology. The switching lifespan is up to 10 times longer than in conventional switchgear such as contactors. The broad range adjustment also reduces the number of variants: just 3 versions are required for settings from 0.075A to 9A. With CrossLink® adapters for the 30Compact system, power is fed through the busbar system. The adapter locks securely in place on the busbar structure. The busbars remain safely covered and out of reach even if the MOTUS® controllers are removed. Suitable for use around the world, with UL508 approval for the North American market as well.

### EQUES®Technology

Adapter technology for the secure mechanical and electrical connection of switchgear to the busbar structure. EQUES®EasyConnectors in a compact size can be combined to create larger switchgear assemblies, and with adapters of the 60Classic system series for circuit breakers with a nominal current of over 100A.



**NEW**

EQUES®30Compact

Busbar adapter 3-pole

For Siemens 3RA1 up to 160A

76mm installation width, 160mm long

UL approval



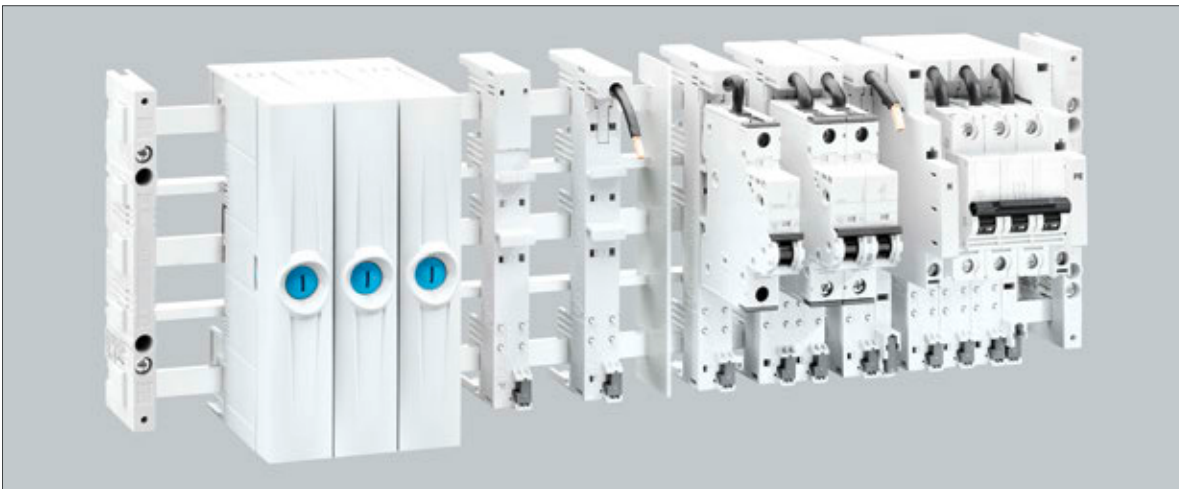
MOTUS®30Compact

Hybrid motor starter with reversing function

Installed width 22.5mm,  
length 160mm

Setting ranges from 0.075 to 0.6A,  
0.18 to 2.4A and 1.5 to 9A

UL approval



System 30Compact 5-pole
Space-saving system up to 200A
Installed height 160mm with up to 5 busbars



EQUES®30Compact
Busbar adapter 1-pole
18mm wide, for circuit breakers
Contact adjustable to L1, L2, L3 or N
Versions for up to 32A and up to 63A

#### CUSTO®30Compact

The use of fuses allows a high fault-current capacity coupled with the lowest possible energy let-through in the event of a short circuit. In this way, sub-distribution boards with D02 bus-mounting fuse elements in compact design save a great deal of space on installation.

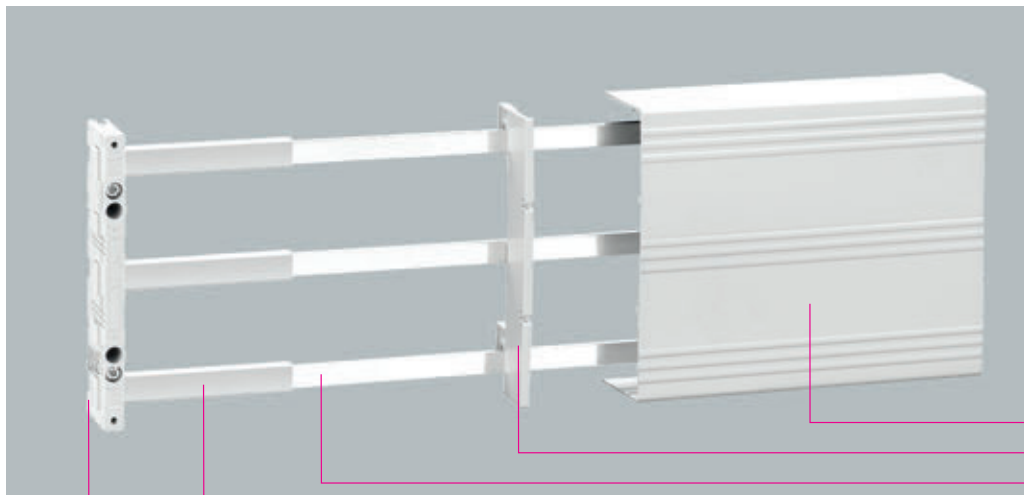
#### QUADRON®30Compact

The compact design of our size 000 NH fuse switch disconnectors allows the space saving advantages of the 30Compact system to be fully exploited. When combined with the 60Classic system, the range of applications can also extend to other sizes. CrossLink® Technology opens the door to additional possibilities for use, as devices can be exchanged between identical adapter modules. More detailed information on CrossLink®Technology is also available in Chapter 2.

#### System components, 5-pole

The installed height of the 30Compact system remains at 160mm in the 5-pole version: N and PE conductors are positioned between the phases. This opens up new opportunities for saving space, as the busbar supports of the 30Compact system accommodate all 5 busbars. The busbars, cover sections and optional base plate remain the same. The connection technology offers a variable terminal module. For connecting conductors up to 120mm<sup>2</sup>, single-pole elements are used, which can be combined as desired using connectors. The adapters are specially designed for a module width of 18mm. 1-pole elements can be adjusted to make contact with any one phase busbar or the N busbar. Empty adapters and connectors allow installation that is simultaneously variable and compact. Narrow N and PE modules for cable connection complete the system.





- 01 314
- 01 317
- 01 618
- 78 463
- 01 272

**30Compact, 3-pole, system height 160mm**

for busbar 12 x 5, 10

**Busbar supports**

Type	Pack size	Weight		Part no.	
		kg/100 u.			
3-pole, for 12 x 5 and 12 x 10 flat busbars, with end cover	10	6.8		01 272	06
18mm separator for UL 508, fits under 01 272	10	5.2		01 374	06

**Busbar E-Cu, tin-plated**

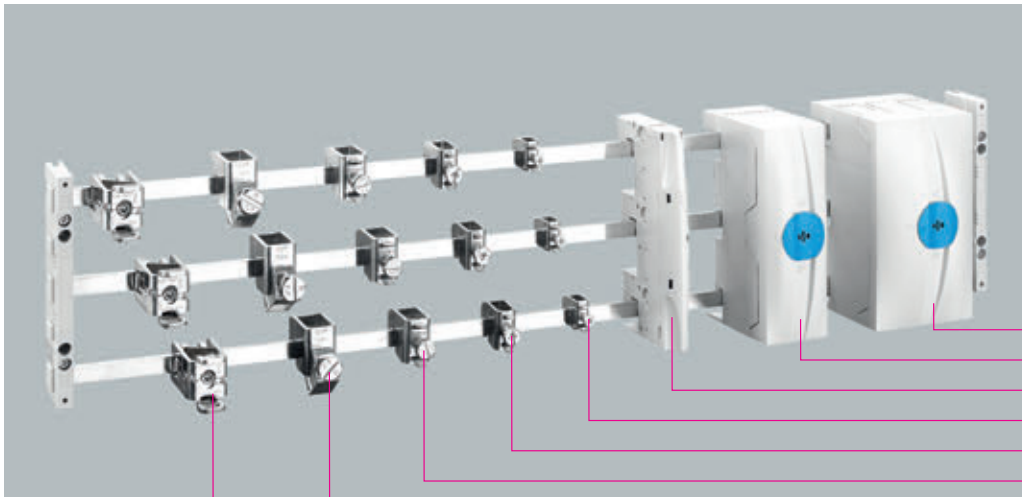
Type	Length	Cross section	Pack size	Weight		Part no.	
				kg/100 u.			
12 x 5	2400	60	1	128.4		01 618	06
12 x 10	2400	120	1	257.0		01 623	06
shorter lengths on request for current carrying capacity of busbars see page 8/7 or 8/8							

**Cover section, 3-pole**

Type	Pack size	Weight		Part no.	
		kg/100 u.			
0.7m long	2	42.0		01 314	06
mount for 01 314	10	1.8		01 317	06

**Busbar cover, 1m long**

for 12 - 30 x 5	10	8.7		01 244	06
for 12 - 30 x 10	10	10.1		01 245	06
for 12 x 5	10	3.2		78 463	06



- 01 165
- 01 401
- 01 562
- 01 284
- 01 285
- 01 287
- 01 068
- 01 135

**30Compact**, 3-pole, system height 160mm

for busbar 12 x 5, 10

**CRITO®**, universal conductor connecting terminal

For busbars	Connection min. - max.	Terminal space W x H	For use up to max.	Pack size	Weight kg/100 u.		Part no.	
for 5mm flat busbars	1.5 - 16	7.5 x 7.5	180A	100	2.1		01 284	07
	4 - 35	10.5 x 11	270A	50	4.6		01 285	07
	16 - 70	14 x 14	400A	25	7.1		01 287	07
	16 - 120	17 x 15	440A	25	10.6		01 068	07
for 10mm flat busbars	1.5 - 16	7.5 x 7.5	180A	100	2.3		01 289	07
	4 - 35	10.5 x 11	270A	50	4.7		01 290	07
	16 - 70	14 x 14	400A	25	7.5		01 292	07
	16 - 120	17 x 15	440A	25	10.9		01 203	07

**CRITO®**, brace terminal

for 12-20 x 5-10 flat busbars *	35 - 150	20 x 22	480A	6	10.2		01 135	07
* not maintenance-free if aluminium conductors are used (see page 8/2)								

**CRITO®30Compact**, connection module 3-pole, for 12 x 5 and 12 x 10, with spring terminals, with cover cap

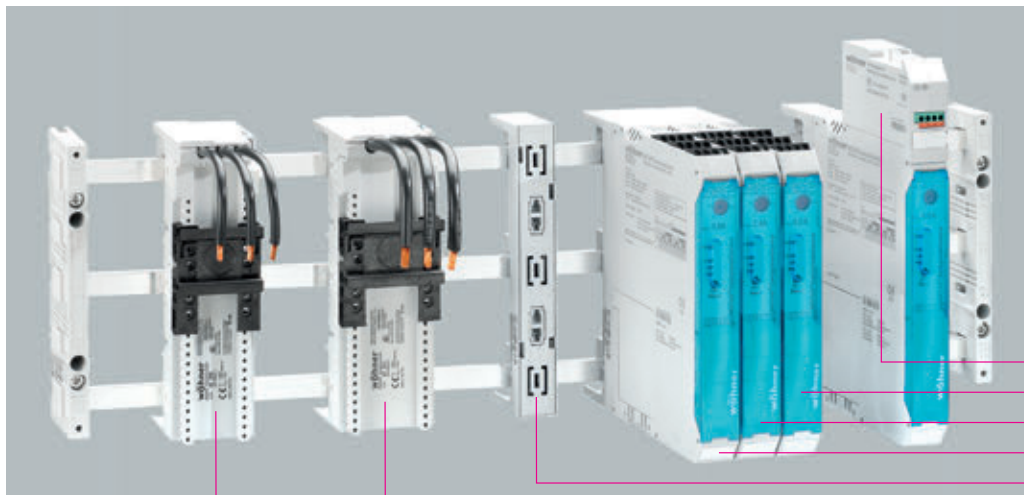
Connection	Width	For use up to max.	Pack size	Weight kg/100 u.		Part no.	
1.5 - 16mm <sup>2</sup>	20	80A	6	16.0		01 562	07

**CRITO®30Compact**, connection module 3 pole, with cap

Type	Width	For use up to max.	Pack size	Weight kg/100 u.		Part no.	
6-50mm <sup>2</sup> round conductors, la. Cu 7x4 to 9x10	54	300A	1	20.6		01 401	07
35-150mm <sup>2</sup> round conductors, la. Cu 15x5 to 18x10	90	480A	1	57.5		01 165	07

**Busbar connector**, for same-size busbars

For busbars	Length	System separation	For use up to max.	Pack size	Weight kg/100 u.		Part no.	
12-20 x 5-10	55	5 - 10	520A	12	19.2		01 166	07
12-20 x 5-10	150	100 - 110	520A	3	52.4		01 193	07



- 36 209
- 36 107
- 36 104
- 36 101
- 36 113
- 32 591
- 32 590

**30Compact**, 3-pole, system height 160mm

for busbar 12 x 5, 10

**EQUES®30Compact**, busbar adapter

Type	Pack size	Weight kg/100 u.		Part no.	
32A, 1 mounting rail, 54 x 160mm	4	19.8		32 590	05
63A, 1 mounting rail, 54 x 160mm	4	21.8		32 591	05
160A, for Siemens 3VA1 and 3VT160, connection to the system top	1	78.0		32 661	05
9mm side-mounted module, connectable on both sides	* 10	2.0		32 912	05
* for 32 590 and 39 591					

**MOTUS®30Compact**, hybrid motor starter with reversing function and CrossLink®Technology, 22.5mm wide

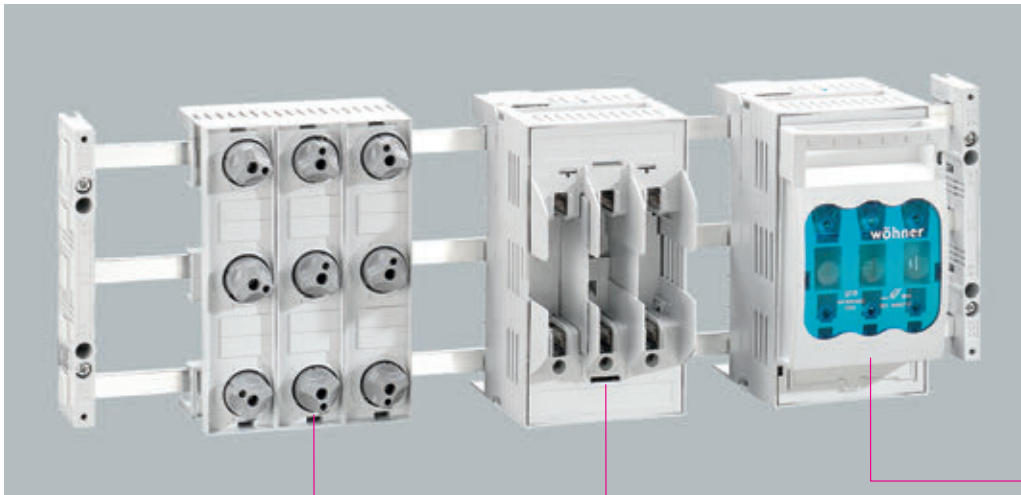
0.075 - 0.6A direct and reversing starter	1	61.9		36 101	21
0.18 - 2.4A direct and reversing starter	1	61.9		36 104	21
1.5 - 9A direct and reversing starter	1	61.9		36 107	21

**Module for connection to SmartWire-DT®**

for all MOTUS®	1	6.5		36 209	21
further components for SmartWire-DT on page 7/2					

**Spare components MOTUS®**

16A fuse for 0.6A and 2.4A versions	3	2.8		31 567	21
20A fuse for 9A version	3	2.8		31 568	21
30A fuse for 9A version for motors with heavy starting	3	2.8		31 569	21
0.075 - 0.6A electronics module for direct/reversing starters	1	57.1		36 109	21
0.18 - 2.4A electronics module for direct/reversing starters	1	57.1		36 110	21
1.5 - 9A electronics module for direct/reversing starters	1	57.1		36 111	21
adapter for MOTUS®30Compact	1	9.3		36 113	21



33 416
03 316
31 554

**30Compact**, 3-pole, system height 160mm

for busbar 12 x 5, 10

**CUSTO®30Compact**, D0 bus-mounting fuse base 63A

Type	Pack size	Weight kg/100 u.	Part no.	
3-pole 36 x 160mm, Size D0	6	13.0	31 554	01

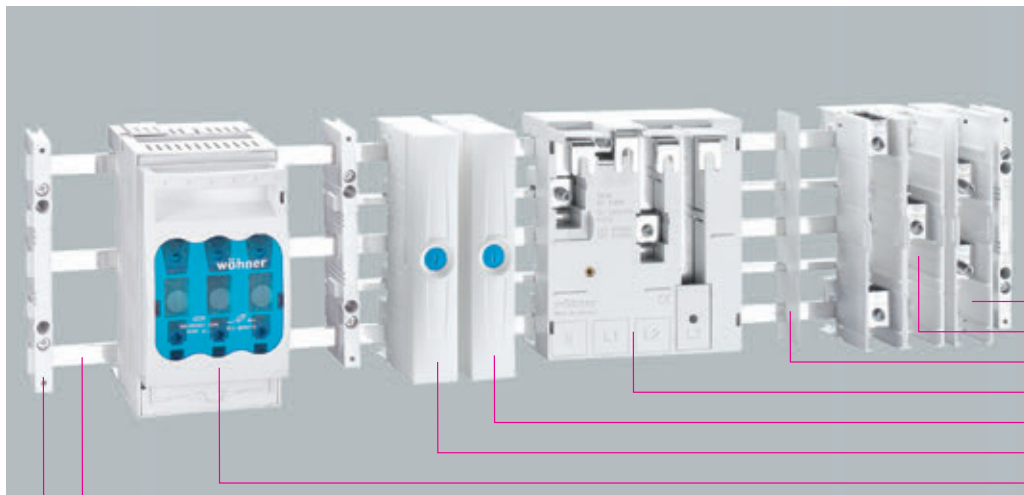
**QUADRON®30Compact**, NH bus-mounting fuse base 125A

3-pole, 90 x 160mm, size NH000, NH00C	1	70.3	03 316	10
grip lug cover, 1 unit required for each NH fuse base	4	2.7	03 287	10

**QUADRON®30Compact**, NH bus-mounting fuse base 125A

3-pole, 90 x 160mm, size NH000, NH00C	1	90.0	33 416	09
pilot switch for monitoring lid position	1	1.1	33 156	09





- 01 427
- 01 426
- 01 376
- 32 640
- 01 367
- 01 364
- 33 416
- 01 618
- 01 272

### 30Compact, 5-pole, system height 160mm

for busbar 12 x 5

#### Busbar supports

Type	Pack size	Weight		Part no.	
		kg/100 u.			
3, 4, 5-pole, for 12 x 5 flat busbars, with end cover	10	6.8		01 272	06

#### Intermediate busbar brace, 2mm wide

for 3, 4, 5-pole system	10	1.5		01 376	06
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#### Busbars

12 x 5 flat busbar, 2.4m long, tin-plated	1	128.4		01 618	06
for current carrying capacity of busbars see page 8/7 or 8/8					

#### Cover section, can only be used with holder 01 317

0.7m long	2	42.0		01 314	06
mount for 01 314	10	1.8		01 317	06
base plate, 0.7m long	2	26.7		01 371	06

#### CRITO®30Compact, Connection set with cover flap

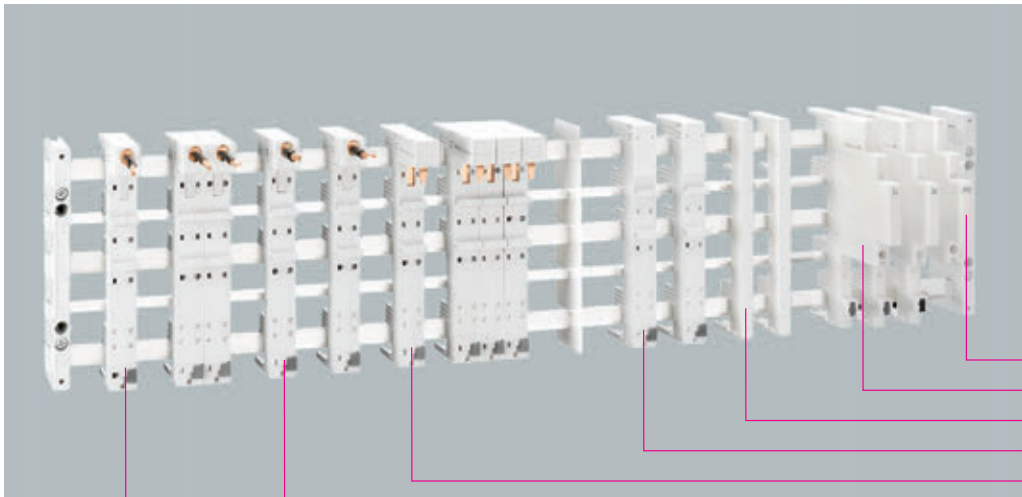
Type	Width	Length	Pack size	Weight		Part no.	
				kg/100 u.			
connection set, 3-pole, 10-120mm <sup>2</sup>	90	160	1	60.0		01 370	07
connection module N, 10-120mm <sup>2</sup>	30	160	1	21.5		01 364	07
connection module PE, 10-120mm <sup>2</sup>	30	160	1	21.5		01 367	07
connection set, 3-pole, 10-120mm <sup>2</sup>	60	160	1	51.5		01 426	07
connection module N+PE, 10-120mm <sup>2</sup>	30	160	1	30.0		01 427	07

#### QUADRON®30Compact, NH bus-mounting fuse switch disconnecter 125A, only for use in 3-pole system

Type	Pack size	Weight		Part no.	
		kg/100 u.			
3-pole, 90 x 160mm, size NH000, NH00C	1	90.0		33 416	09

#### EQUES®30Compact, Busbar adapter, 4-pole

Type	Width	Pack size	Weight		Part no.	
			kg/100 u.			
160A, for Schneider Electric INS100-160	141	1	64.0		32 640	05



- 32 634
- 32 632
- 32 633
- 32 631
- 32 628
- 32 630
- 32 629

**30Compact**, 5-pole, system height 160mm

for busbar 12 x 5

**EQUES®30Compact**, Busbar adapter, modular

Type	Adapter width	Adapter length	Pack size	Weight kg/100 u.		Part no.		
1-pole, 32A	18	160	12	6.0		32 629	05	
1-pole, 63A	18	160	12	6.6		32 630	05	
1-pole, 63A, for Schneider Electric iC60, iC65 and C60	18	160	12	7.0		32 628	05	
contact can be set to L <sub>1</sub> , L <sub>2</sub> , L <sub>3</sub> or N								
module N, with terminal 16mm <sup>2</sup>	*	9	160	12	4.4	32 632	05	
module PE, with terminal 16mm <sup>2</sup>		9	160	12	4.4	32 634	05	
component support, 1-pole		18	160	6	3.3	32 631	05	
side-mounted module		9	160	12	1.2	32 633	05	
connection set for creating multi-pole adapters (50 connections possible)			1	2.0		31 390	05	
* without separate lock to the busbar system. it must be plugged onto the modular busbar adapter.								