

# 60Classic





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<https://qrco.de/60classic-en>



60 MM BUSBAR SYSTEM

# 60Classic



## Busbar system with a large selection of components for many applications

A busbar centre distance of 60 mm is the standard in most low-voltage distribution applications today. Developed by Wöhner, this standard has been implemented in the 60Classic system and has become the most common busbar system in many branches.

Two main reasons for its success: 60Classic is space-saving and provides a huge selection of components. Depending on requirements, busbars of various cross sections can be used; currents up to a maximum of 2500A are possible.



60 MM BUSBAR SYSTEM

# 60Classic





## Busbar system for international use

Thanks to “UL listed” approval, numerous components meet the requirements for use in the USA and Canada. The system is complemented by a number of special components

for UL-compliant fuse systems. In addition, extensive documentation as well as planning and selection tools support the user during the specification phase.



60 MM BUSBAR SYSTEM

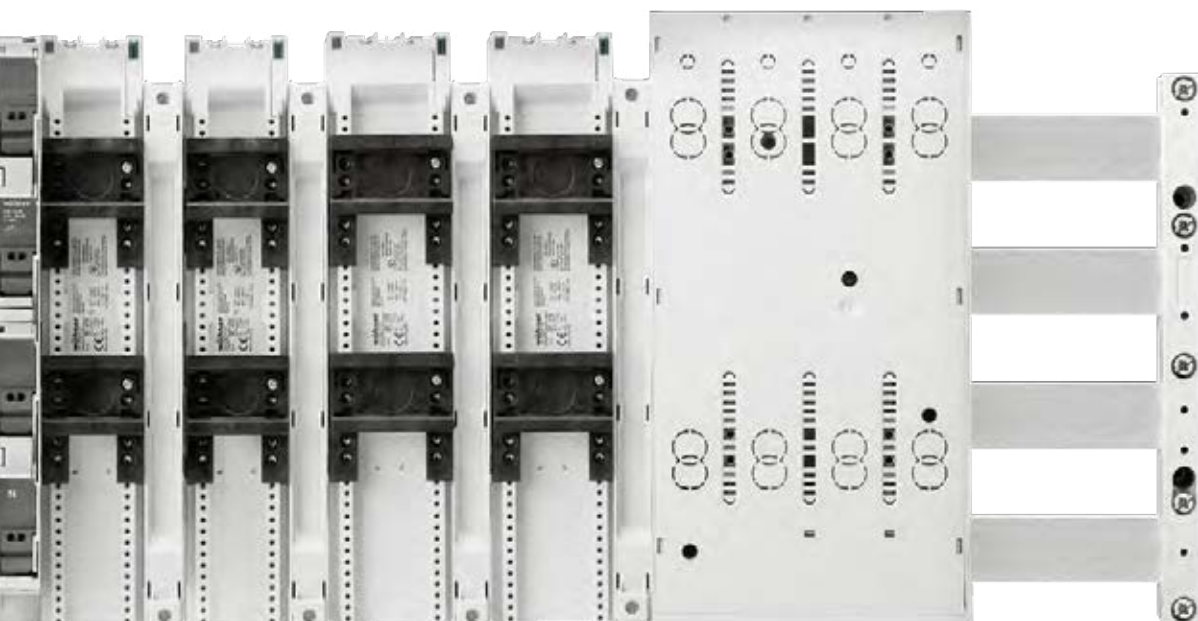
# 60Classic



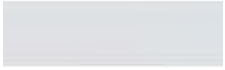
## Multipole possibilities in the 60 mm busbar system

A whole range of 4-pole components are available: Connection options for different conductor types and cover systems, holders for cylindrical fuses and a selection of adapters for switching devices, also as PE/N adapter module. A 4-pole system can also be set up with double T-bars at a distance

of 60 mm between busbar centres. The 4th busbar is mainly used for the N conductor, alternatively it can be used as PE and as a supplement to the 5-conductor system.

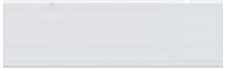






## Busbars 60Classic

- 12, 15, 20, 30 x 5, 10 mm
- tin-plated versions
- proven load current capacity
- proven short-circuit capacity
- UL listed



## Double-T, triple-T, TCC section busbars 60Classic

- double-T section busbars in 500 mm<sup>2</sup> and 720 mm<sup>2</sup>
- triple-T section busbars with 1140 mm<sup>2</sup>
- TCC section busbars 1600 mm<sup>2</sup>
- UL listed double-T and triple-T bars



## CRITO®60Classic

- Connection module for 60Classic. Particularly simple, safe and convenient mounting. With spring terminals.
- rated current 80 A
  - equipment width 20 mm
  - connection range 1.5 - 16 mm<sup>2</sup>
  - spring terminal technology for quick conductor connection
  - UL listed



## CRITO®60Classic

- Connection technology for many different conductor types up to 300 mm<sup>2</sup> cross-section and up to 32 mm wide lam. Cu bars.
- rated current up to 800 A
  - equipment width: 54, 81, 135, 153, 204 mm
  - connection range 6 - 300 mm<sup>2</sup> with different conductor connection terminals
  - UL listed



## MOTUS® 60Classic

- 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® 60Classic

- 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



## Busbar support 60Classic

- Busbar support for easy and safe construction of systems with 60 mm distance between busbar centres.
- 1-, 2-, 3- and 4-pole versions
  - adjustable for busbars 12 x 5 - 30 x 10 mm
  - versions for double-T and triple-T bars
  - versions in connection with spacer or base plate
  - UL listed



## Busbar support 60Classic

- Busbar support for section busbars in the 60Classic system.
- 1- and 3-pole versions
  - versions for double-T, triple-T and TCC section busbars
  - UL listed double-T and triple-T bars



## EQUES® 60Classic

- The EQUES® busbar adapters are available for simple mounting of motor starter combinations from various manufacturers.
- rated current up to 80 A
  - equipment width from 45 to 90 mm
  - moveable DIN rails
  - connection leads: 2.5 - 10 mm<sup>2</sup> terminals up to 16 mm<sup>2</sup>
  - versions with CrossLink®Technology
  - UL listed



## EQUES® 60Classic

- Busbar adapters for circuit breakers up to 630 A.
- 3- and 4-pole versions
  - versions for all commercially available switching devices
  - size aligned to the circuit breaker
  - easy and convenient mounting
  - integrated connection for the respective switching device
  - UL listed



## BROOME10® 60Classic

- 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® 60Classic

- 3-pole busbar mounted fuse-base for D and D0 fuses.
- covers also available for double widths
  - versions with integrated touch-safe protection
  - rated current up to 63 A
  - equipment width 27 - 57 mm
  - connection range: 1.5 - 25 mm<sup>2</sup> / 35 mm<sup>2</sup>
  - optional D-base gauge rings and screw-in gauge rings



## SECUR®60Classic PowerLiner

D0 busbar mounted switch-disconnector with proven drawer-type method for higher loads. All phase conductors are conveniently guided downwards.

- captive fuse carrier for commercial gauge rings
- optional side-mounted module, LED display and auxiliary switch
- 3-pole version
- further version for fuses 10x38



## SECUR®60Classic EasyLiner

Busbar mounted switch-disconnector for D0 fuses with spring clamp technology. Flat design, especially suitable for use in distribution boards.

- captive fuse carrier for commercial gauge rings
- optional side-mounted module, LED display and auxiliary switch
- 3-pole version
- lockable



## QUADRON® 60Classic

NH fuse-switch-disconnector 125 A with CrossLink®Technology.

- for NH fuses size 000
- equipment width 49.5 mm
- box terminals 6 - 50 mm<sup>2</sup>
- utilisation category AC 22B, AC 21B
- connection at top and bottom



## QUADRON® 60Classic

NH busbar mounted fuse-switch-disconnectors up to 630 A with CrossLink®Technology. Spring-loaded for secure connection, tool-free installation, easily change outgoing direction.

- for size NH 000 up to 3 fuses
- versions with fuse monitoring
- various accessories for connection and shrouding



## AMBUS® 60Classic

Busbar mounted fuse-holder for Class CC or 10x38 fuses up to 32 A. Snap-on mounting on busbars, convenient connection with spring-type terminals on outgoing side.

- equipment width 27 mm
- 2-, 3- and 4-pole versions
- versions with LED display
- 1-pole version for photovoltaic applications
- UL listed



## CRITO®

Brace terminals for round or flat conductor. Simple and convenient connection due to overlap of the busbar and conductor.

- conductor connection possible from top and bottom
- looping possible
- for round conductors 35 - 300 mm<sup>2</sup>
- for flat conductors 50 - 100 mm wide
- UL listed



## QUADRON® 60Classic

Class J busbar mounted fuse-base with CrossLink®Technology. Spring-loaded for secure connection, tool-free installation, easily change outgoing direction.

- for Class J to 30 A, 60 A and 100 A as well as 200 A and 400 A fuses
- integrated fuse adaptor for ease of use
- UL listed



## QUADRON® 60Classic Speed

The NH busbar mounted switch-disconnector-fuse with CrossLink®Technology is the highlight. Its snap-action switch mechanism enables safe, operator-independent switching.

- tool-free mounting
- double break
- lockable in OFF position
- rotary drive versions or fuse monitoring

## 60Classic - Busbar systems

1-, 2-, 3-, 4-pole systems, system height 200 mm



### Universal busbar support, without end cover

Type	Busbar	Pack size	Weight kg/100 u.	PG	Part No.
2-pole with internal screw holes	12, 20, 30 x 5, 10	1	8.3	06	<b>01602</b>
3-pole with internal screw holes	12, 15, 20, 25, 30 x 5, 10	10	12.7	06	<b>01495</b>
3-pole with additional external screw holes		10	13.7	06	<b>01500</b>
4-pole with internal screw holes		10	26.6	06	<b>01485</b>

### UL busbar support, without end cover

3-pole, with internal screw holes	12, 20, 30 x 5, 10	10	14.0	06	<b>01508</b>
4-pole, with internal screw holes		10	19.7	06	<b>01357</b>

### UL spacer, for UL busbar supports

suitable for 01508	10	9.1	06	<b>01358</b>
suitable for 01357	10	13.1	06	<b>01359</b>

### Base plate, for UL busbar supports 01508, 01231, 01232

240 x 1100	2	73.7	06	<b>01518</b>
240 x 700	2	46.9	06	<b>01515</b>

### PE/N busbar support, incl. PE and N labels

Type	Busbar	Pack size	Weight kg/100 u.	PG	Part No.
2-pole, indiv. mountable	* 12, 15, 20, 25, 30 x 5, 10	10	9.5	06	<b>01356</b>
1-pole, indiv. mountable	12, 20, 30 x 5, 10	1	5.9	06	<b>01601</b>

\* stepped busbars



### BROOME10®60Classic 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	200	1	71.8	21	<b>36202</b>

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



## 60Classic - Busbar systems with section busbars

1-, 3-, 4-pole systems



### Busbar support, for double-T section, without end cover

Type	Pack size	Weight kg/100 u.	PG	Part No.
1-pole, to be attached to 01231 and individually mountable	4	13.0	06	<b>01116</b>
3-pole, with internal screw holes	3	59.1	06	<b>01231</b>

### Busbar support, for triple-T section, without end cover

1-pole, to be attached to 01232 and individually mountable	4	15.0	06	<b>01132</b>
3-pole, with internal screw holes	2	69.7	06	<b>01232</b>

### Busbar support, for TCC section, without end cover

3-pole, with internal screw holes	2	69.7	06	<b>01422</b>
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### End cover, for busbar support for section busbars

for busbar supports 01116 and 01132	4	1.8	06	<b>01373</b>
for busbar supports 01231 and 01232	4	4.8	06	<b>01234</b>
for busbar support 01422	4	5.3	06	<b>01425</b>



### Connection busbar support, without end cover

Type	Busbar	Pack size	Weight kg/100 u.	PG	Part No.
3-pole, with integrated terminals 1.5 - 16 mm <sup>2</sup>	12, 15, 20, 25, 30 x 5, 10	10	25.6	06	<b>01484</b>

### End cover, for universal busbar supports, to cover the busbar ends

Type	Pack size	Weight kg/100 u.	PG	Part No.
for busbar support 01356 and 01601	10	0.7	06	<b>01325</b>
for busbar support 01602	1	1.5	06	<b>01363</b>
for busbar supports 01484, 01495, 01500, 01508 and 01603	10	2.0	06	<b>01573</b>
for busbar supports 01357 and 01485 (1x 01131 = 1 left + 1 right cover)	5	5.6	06	<b>01131</b>





## 60Classic - Busbar systems - Current transformers

standard copper busbars and section busbars



### Copper busbar, flat, tin-plated

Type	Length	Crosssection mm <sup>2</sup>	Pack size	Weight kg/100 u.	PG		Part No.
busbar 12 x 5	2400	60	1	128.4	06		01618
busbar 15 x 5	2400	75	1	160.6	06		01619
busbar 20 x 5	2400	100	1	214.4	06		01620
busbar 25 x 5	2400	125	1	267.8	06		01621
busbar 30 x 5	2400	150	1	321.4	06		01622
busbar 12 x 10	2400	120	1	257.0	06		01623
busbar 20 x 10	3600	200	1	650.0	06		01140
busbar 20 x 10	2400		1	428.6	06		01624
busbar 30 x 10	3600	300	1	970.0	06		01204
busbar 30 x 10	2400		1	643.2	06		01625

for current carrying capacity of the busbars visit [www.woehner.com](http://www.woehner.com); partial lengths on request

### Current transformer, for measuring at flat busbars

Type	Accuracy class	Rated apparent power	Pack size	Weight kg/100 u.	PG		Part No.
current transformer 200 A / 5 A	1	2.50 VA	1	13.5	23		37212
current transformer 250 A / 5 A	1	2.50 VA	1	13.5	23		37213
current transformer 400 A / 5 A	1	2.50 VA	1	13.5	23		37214
current transformer 500 A / 5 A	1	2.50 VA	1	13.5	23		37215
current transformer 600 A / 5 A	1	2.50 VA	1	13.5	23		37216
fixing clip for current transformer			3	0.5	23		37900

for additional current transformers see chapter 7 - Accessories



### Section copper busbar, tin-plated

Type	Length	Crosssection mm <sup>2</sup>	Pack size	Weight kg/100 u.	PG		Part No.
double-T section busbar 500 mm <sup>2</sup>	3600	500	1	1596.0	06		01224
double-T section busbar 500 mm <sup>2</sup>	2400	500	1	1062.0	06		01609
double-T section busbar 720 mm <sup>2</sup>	3600	720	1	2334.0	06		01190
double-T section busbar 720 mm <sup>2</sup>	2400	720	1	1554.0	06		01608
triple-T section busbar 1140 mm <sup>2</sup>	3600	1140	1	3693.6	06		01227
triple-T section busbar 1140 mm <sup>2</sup>	2400	1140	1	2462.4	06		01187
TCC section busbar 1600 mm <sup>2</sup>	2400	1600	1	3416.0	06		01610

for current carrying capacity of the busbars visit [www.woehner.com](http://www.woehner.com); partial lengths on request

### Section copper busbar, plain

double-T section busbar 500 mm <sup>2</sup>	3600	500	1	1596.0	06		01223
double-T section busbar 500 mm <sup>2</sup>	2400		1	1060.0	06		01250
double-T section busbar 720 mm <sup>2</sup>	3600	720	1	2332.0	06		01229
double-T section busbar 720 mm <sup>2</sup>	2400		1	1556.0	06		01249

for current carrying capacity of the busbars visit [www.woehner.com](http://www.woehner.com); partial lengths on request



## 60Classic - Covering systems

1-, 3- and 4-pole versions



### Busbar cover, for 1-pole busbars

Type	Pack size	Weight kg/100 u.	PG		Part no.
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
for double-T and triple-T section, 1m long	5	38.0	06		01252
for 12 x 5 busbar, 1 m long	10	3.2	06		78463

independent from system, for individual busbars

### Cover section, for 3-pole busbar systems

700 x 195	2	75.0	06		01025
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### Mount, for cover section for 3-pole busbar systems

depth 32 mm, for 01025	10	3.9	06		01026
depth 107 mm, for 01025, 01236, 01237, 01238	8	12.0	06		01320

snaps directly onto busbars 12, 15, 20, 25, 30 x 5, 10, double-T and triple-T section

### Holder set, for cover sections for 3-pole busbar systems

set consisting of left and right holder, for covers 01554, 01555 and 01417	1	18.0	07		01136
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### Cover section, for holder set for 3-pole busbar systems

front mounted, 1.10 m long, for holder 01136	1	45.1	07		01554
top / bottom, 1.10 m long, for holders 01136 or 01137	2	27.1	07		01555
top / bottom, slotted, 1.10 m long, for holders 01136 or 01137	2	23.0	06		01417

snaps directly onto busbars 12, 15, 20, 25, 30 x 5, 10, double-T and triple-T section

### Holder set, for cover sections for 4-pole busbar systems

set consisting of left and right holder, for covers 01599, 01555 and 01417	1	21.0	07		01137
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### Cover section, for holder set for 4-pole busbar systems

front mounted, 1.10 m long, for holder 01137	1	58.0	07		01599
top / bottom, 1.10 m long, for holders 01136 or 01137	2	27.1	07		01555
top / bottom, slotted, 1.10 m long, for holders 01136 or 01137	2	23.0	06		01417

### Compartment section, for adjusting the installation depth for double-T and triple-T section busbar systems

48 mm deep, 2.40 m long	1	70.0	06		01236
76 mm deep, 2.40 m long	1	105.0	06		01237
106 mm deep, 2.40 m long	1	140.0	06		01238



# CRITO®60Classic - Connection technology

3- and 4-pole versions



## Connection busbar support, 3-pole, for 12, 15, 20, 25, 30 x 5, 10 busbars, with cover cap

Type	For use up to max. **	Width	Pack size	Weight kg/100 u.	PG		Part No.
3-pole, with integrated terminals 1.5 - 16 mm <sup>2</sup>	80 A	20	10	25.6	06		<b>01484</b>

## Connection module, 3-pole, for 12, 15, 20, 25, 30 x 5, 10 busbars and section busbars, with spring terminals, with cover cap

with integrated spring terminals 1.5 - 16 mm <sup>2</sup> , AWG 14 - 6	80 A	20	8	18.1	07		<b>01563</b>
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## Connection terminal plate, 3-pole, for 12 x 5 - 30 x 10 busbars and section busbars, with cover cap

6 - 50 mm <sup>2</sup> , AWG 10 - 2/0, lam. Cu. 7 - 9 x 4 - 10	300 A	54	1	45.1	07		<b>01240</b>
35 - 120 mm <sup>2</sup> , AWG 2 - 250 MCM, lam. Cu. 9 - 15.5 x 2,4 - 10	440 A	81	1	53.5	07		<b>01243</b>

## Accessories, single cover for terminals

Type	Pack size	Weight kg/100 u.	PG		Part No.
for terminal plate 01240	3	0.4	07		<b>01300</b>
for terminal plate 01243	3	0.5	07		<b>01301</b>



## Connection terminal plate, 3-pole, for 20 x 5 - 30 x 10 and section busbars, with cover cap

Type	For use up to max. **	Width	Pack size	Weight kg/100 u.	PG		Part No.
95 - 185 mm <sup>2</sup>	* 460 A	135	1	132.2	07		<b>01199</b>
95 - 300 mm <sup>2</sup>	* 560 A		1	165.7	07		<b>01754</b>
lam. Cu. 20 - 32 x 3 - 15	800 A		1	144.7	07		<b>01753</b>

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

## Connection set, 3-pole, for 20 x 5 - 30 x 10 and section busbars, without cover cap

95 - 300 mm <sup>2</sup> , AWG 3/0 - 600 MCM	* 560 A	153	1	155.5	07		<b>01537</b>
lam. Cu. 20 - 32 x 3 - 15	800 A		1	132.5	07		<b>01538</b>

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

## Connection set, 4-pole, for 20 x 5 - 30 x 10 and section busbars, without cover cap

95 - 300 mm <sup>2</sup> , AWG 3/0 - 600 MCM	* 560 A	204	1	210.0	07		<b>01147</b>
lam. Cu. 20 - 32 x 3 - 15	800 A		1	180.0	07		<b>01162</b>

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

\*\* for rated currents see product description at [www.woehner.com](http://www.woehner.com)



## CRITO® - Conductor connection terminals

1-pole terminals and multi-pole terminal covers



### Universal connection terminal, 1.5 mm<sup>2</sup> to 120 mm<sup>2</sup>

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

### Cover cap, for universal connection terminals

Type	Pack size	Weight kg/100 u.	PG	Part No.
terminal cover, for 01284 and 01289	20	0.5	07	<b>01093</b>

### Brace terminal, up to 300 mm<sup>2</sup>, for round conductors

For busbar	Connection	For use up to max.	Pack size	Weight kg/100 u.	PG	Part No.
12, 15, 20 x 5, 10	* 35 - 150 mm <sup>2</sup> , AWG 2 - 300 MCM, lam. Cu. 15 - 20 x 5 - 10	480 A	6	10.2	07	<b>01135</b>
20, 25, 30 x 5, 10 and section busbars	* Cu / Al 95 - 185 mm <sup>2</sup>	500 A	6	31.2	07	<b>01318</b>
20, 25, 30 x 5, 10 and section busbars	* Cu / Al 95 - 300 mm <sup>2</sup>	600 A	3	42.5	07	<b>01760</b>

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

### Brace terminal, 30 to 105 mm wide, for flat conductors

For busbar	Terminal space	End feed	Centre feed	Pack size	Weight kg/100 u.	PG	Part No.
20, 25, 30 x 5, 10 and section busbars	30 x 20	630 A	750 A	6	30.3	07	<b>01319</b>
	32 x 20		800 A	3	34.7	07	<b>01759</b>
30 x 10 and section busbars	55 x 10 - 28	1600 A	2000 A	3	50.0	07	<b>01069</b>
	68 x 10 - 28			3	63.0	07	<b>01070</b>
	105 x 10 - 28			3	84.0	07	<b>01071</b>

### Cover cap, 3-pole, can also be used as a reserve section cover

For busbar	W x H x D	Pack size	Weight kg/100 u.	PG	Part No.
12, 15, 20, 25, 30 x 5, 10 and section busbars	54 x 200 x 55	1	14.7	07	<b>01590</b>
12, 15, 20, 25, 30 x 5, 10 and section busbars	84 x 200 x 55	10	14.9	07	<b>01413</b>
20, 25, 30 x 5, 10 and section busbars	135 x 200 x 90	1	29.5	07	<b>01756</b>
12, 15, 20, 25, 30 x 5, 10 and section busbars	180 x 200 x 90	1	33.0	07	<b>01539</b>
12, 15, 20, 25, 30 x 5, 10 and section busbars	228 x 200 x 90	1	37.3	07	<b>01596</b>
12, 15, 20, 25, 30 x 5, 10 and section busbars	250 x 200 x 90	1	39.3	07	<b>01540</b>
20, 25, 30 x 5, 10 and section busbars	270 x 200 x 90	1	64.7	07	<b>01757</b>

### Cover cap, 4-pole, can also be used as a reserve section cover

For busbar	W x H x D	Pack size	Weight kg/100 u.	PG	Part No.
12, 15, 20, 25, 30 x 5, 10 and section busbars	228 x 260 x 90	1	45.0	07	<b>01597</b>



# CRITO® - Conductor connection terminals

1-pole



**Screw-type terminal**, attachable, for DIN 46234 cable lugs

Type	Terminal space	For use up to max.	Pack size	Weight kg/100 u.	PG		Part No.
flat busbars 5 mm	M5 x 8	360 A	25	4.8	07		<b>01747</b>
	M8 x 8	490 A	20	16.0	07		<b>01748</b>
	M10 x 10	630 A	6	35.8	07		<b>01749</b>
flat busbars 10 mm	M5 x 8	360 A	25	5.0	07		<b>01512</b>
12, 15, 20, 25, 30 x 10 and section busbars	M8 x 8	490 A	20	16.5	07		<b>01514</b>
	M10 x 10	630 A	6	36.2	07		<b>01047</b>

**Busbar connector**, for connection of flat busbars and laminated copper bar

Type	Terminal space	Pack size	Weight kg/100 u.	PG		Part No.
connection of busbar 25 wide with lam. Cu 20 wide	20	10	14.9	07		<b>01996</b>
connection of busbar 30 wide with lam. Cu 20 wide		10	16.2	07		<b>01997</b>
connection of busbar 30 wide with lam. Cu 30 wide		10	19.8	07		<b>01586</b>
connection of busbar 35 wide with lam. Cu 30 wide		10	21.5	07		<b>01587</b>
connection of busbar 40 wide with lam. Cu 20 wide		10	17.8	07		<b>01206</b>
connection of busbar 40 wide with lam. Cu 32 wide		6	27.6	07		<b>01616</b>

**Busbar connection terminal**, in longitudinal direction, for cables

Busbar	Round conductor min – max	Flat conductor W x H	Pack size	Weight kg/100 u.	PG		Part No.
20 x 5, 10	120 - 240 mm <sup>2</sup>	21 x 4 - 20	3	11.0	07		<b>01201</b>
25 x 5	150 - 300 mm <sup>2</sup>	25 x 5 - 20	3	13.4	07		<b>01202</b>

**Busbar connecting terminal**, in longitudinal direction, for laminated copper bar

the terminal is able to connect flexible copper 32 x 10 in longitudinal direction	32 x 1 - 15	3	50.0	07		<b>01069</b>
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## CRITO® - Conductor connection terminals

1-pole profile terminals for round and flat conductors



### Profile terminal, for double-T section busbars

Connection cross-section	End feed	Centre feed	Terminal space W x H	Pack size	Weight kg/100 u.	PG		Part No.
320 - 800 mm <sup>2</sup>	1600 A	1600 A	41 x 20 - 42	3	67.0	07		<b>01185</b>
500 - 750 mm <sup>2</sup>	1600 A		51 x 5 - 28	3	70.5	07		<b>01906</b>
600 - 900 mm <sup>2</sup>	1600 A		64 x 5 - 28	3	84.0	07		<b>01907</b>
500 - 1000 mm <sup>2</sup>	1600 A	2000 A	51 x 20 - 42	3	73.5	07		<b>01936</b>
600 - 1200 mm <sup>2</sup>	1600 A		64 x 20 - 42	3	85.9	07		<b>01911</b>
800 - 1600 mm <sup>2</sup>	1600 A	2500 A	81 x 20 - 42	3	101.1	07		<b>01934</b>
1000 - 2000 mm <sup>2</sup>	1600 A	2800 A	101 x 20 - 42	3	113.7	07		<b>01935</b>

for the connection of flat busbars and flexible copper busbars

### Profile terminal, for triple-T section busbars

320 - 800 mm <sup>2</sup>	1600 A	1600 A	41 x 23 - 45	3	105.0	07		<b>01513</b>
500 - 1260 mm <sup>2</sup>	2000 A	2500 A	64 x 23 - 45	3	124.0	07		<b>01008</b>
1200 - 3600 mm <sup>2</sup>	2500 A	3200 A	101 x 23 - 45	3	172.7	07		<b>01186</b>

for the connection of flat busbars and flexible copper busbars

### Brace terminal, for busbars 30 x 10 and section busbars

500 - 1000 mm <sup>2</sup>	1600 A	2000 A	55 x 10 - 28	3	50.0	07		<b>01069</b>
600 - 1200 mm <sup>2</sup>	1600 A		68 x 10 - 28	3	63.0	07		<b>01070</b>
1000 - 2000 mm <sup>2</sup>	1600 A	2800 A	105 x 10 - 28	3	84.0	07		<b>01071</b>

for the connection of flat busbars and flexible copper busbars

### Connection terminal

Busbar	For use up to max.	Connection	Pack size	Weight kg/100 u.	PG		Part No.
30 x 10 and section busbars	630 A	95 - 300 mm <sup>2</sup>	3	85.7	07		<b>01094</b>
30 x 10 and section busbars	1250 A	40 x 25	3	81.7	07		<b>01092</b>

### Flexible copper busbar, plain, insulated, length 2 m

Dimensions (number of laminates x width x thickness)	Rated current at 30 K	Rated current at 50 K	Crosssection mm <sup>2</sup>	Pack size	Weight kg/100 u.	PG		Part No.
10x 40 x 1	774 A	1053 A	400	1	746.0	06		<b>01615</b>
10x 50 x 1	914 A	1244 A	500	1	932.0	06		<b>01509</b>
10x 63 x 1	1088 A	1481 A	630	1	1180.0	06		<b>01510</b>
10x 80 x 1	1305 A	1777 A	800	1	1490.0	06		<b>01061</b>
10x 100 x 1	1550 A	2110 A	1000	1	1870.0	06		<b>01273</b>

or additional additional flexible copper busbars see chapter 7 - Accessories





# CRITO® - Longitudinal busbar connectors

for flat conductors and section busbars



## Busbar connecting terminal, for same-size busbars

For busbar	Length	System spacing	For use up to max.	Pack size	Weight kg/100 u.	PG		Part No.
12, 15, 20 x 5, 10	55	5 - 10 mm	520 A	12	19.2	07		<b>01166</b>
	150	100 - 110 mm		3	52.4	07		<b>01193</b>
20, 25, 30 x 5, 10	40	9 - 20 mm	630 A	6	23.3	07		<b>01990</b>
	40	13 - 20 mm		6	25.2	07		<b>01823</b>
	95	50 - 60 mm		3	54.4	07		<b>01141</b>
	150	100 - 110 mm		3	86.6	07		<b>01886</b>
double-T section	50	9 - 20 mm	1600 A	6	49.4	07		<b>01827</b>
	95	50 - 60 mm		3	94.3	07		<b>01145</b>
	150	100 - 110 mm		3	146.1	07		<b>01829</b>
triple-T section	95	50 - 60 mm	2500 A	3	120.6	07		<b>01274</b>
	150	100 - 110 mm		3	178.0	07		<b>01275</b>

3 pieces are required for a 3-pole connection, use 01026 or 01320 as well as 01025 as covers (see 3.4)  
for a UL-compliant design of the longitudinal busbar connector, one of the UL separation blocks described below must be used

## UL separator set, 3-pole, for longitudinal busbar connector

Type	Width	Pack size	Weight kg/100 u.	PG		Part No.
for longitudinal connecting terminals 01990, 01823, 01827	105	1	17.2	06		<b>01360</b>
for longitudinal connecting terminals 01141, 01145, 01274	145	1	19.6	06		<b>01361</b>
for longitudinal connecting terminals 01886, 01829, 01275	200	1	21.8	06		<b>01362</b>

\* the depth gauge must be tailored to fit

## Connection set, 3-pole, for section busbars

For busbar	Type	For use up to max.	Pack size	Weight kg/100 u.	PG		Part No.
double-T section	* 150 mm, flexible longitudinal connection	1600 A	1	536.0	07		<b>30322</b>
double-T section	* 130 mm, flexible corner connection		1	638.0	07		<b>30473</b>
triple-T section	* 200 mm, flexible longitudinal connection	2500 A	1	940.0	07		<b>01295</b>

\* supplied as a 3-pole connection set



**EQUES®60Classic CrossLink® - Busbar adapters 16 A - 45 A**

removable top section with CrossLink® interface, the touch-protected base remains on the busbar system

**Busbar adapter with fuse-carrier, 16 A, with removable top section, with leads AWG 14 (2.5 mm<sup>2</sup>)**

Type	Width	Height	Pack size	Weight kg/100 u.	PG	Part No.
1 fixed mounting rail, with fuse-carrier 10x38 / Class CC	22.5	200	1	20.0	05	36003

**Busbar adapter, 16 A, with removable top section, with leads AWG 14 (2.5 mm<sup>2</sup>)**

for direct starter Allen-Bradley 140M-RC2E, Eaton PKZM0, Siemens S00, Schneider Electric GV2 with spring terminals	45	200	4	42.7	05	32401
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**Busbar adapter, 25 A, with removable top section, with leads AWG 12 (4 mm<sup>2</sup>)**

2 adjustable mounting rails	45	200	4	42.7	05	32400
2 adjustable mounting rails		260	4	45.0	05	32402

**Busbar adapter, 32 A, with removable top section, with leads AWG 10 (6 mm<sup>2</sup>)**

2 adjustable mounting rails	54	200	4	49.2	05	32404
2 adjustable mounting rails		260	4	54.4	05	32408

**Busbar adapter, 45 A, with removable top section, with leads AWG 8 (10 mm<sup>2</sup>)**

2 adjustable mounting rails	54	200	4	52.9	05	32412
2 adjustable mounting rails		260	4	56.7	05	32416

**Busbar component support, with removable top section, without electrical connection**

2 adjustable mounting rails	45	200	4	34.9	05	32420
2 adjustable mounting rails	54		4	38.8	05	32421
2 adjustable mounting rails	45	260	4	36.2	05	32425
2 adjustable mounting rails	54		4	42.1	05	32426

**Side-mounted module, for busbar adapters with removable top section**

attachable to both sides	9	200	10	4.3	05	32964
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**Accessories, for CrossLink® busbar adapters**

Type	Pack size	Weight kg/100 u.	PG	Part No.
mounting rail 45 mm	10	1.4	05	32947
mounting rail 54 mm	10	1.5	05	32948
mounting rail 63 mm	10	1.8	05	32949
mounting rail 72 mm	10	2.0	05	32950
mounting rail 81 mm	10	2.1	05	32951
mounting rail end stop	50	0.1	05	32969
connecting element, universal	50	0.1	05	32954
8-pole connector, with support, 250 V	10	3.4	05	32511
10-pole connector, with support, 250 V	10	4.0	05	32513
micro switch for CrossLink® adapter	10	0.9	05	32956

all devices can be mounted directly on busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars



# EQUES®60Classic - Busbar adapters 25 A - 80 A

universal version



## Busbar adapter, 25 A, with leads AWG 12 (4 mm<sup>2</sup>)

Type	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
1 adjustable mounting rail	45	200	4	32.5	05		32430
2 adjustable mounting rails			4	32.6	05		32431
2 adjustable mounting rails	90		2	57.1	05		32432
2 adjustable mounting rails	45	260	4	35.7	05		32433

## Busbar adapter, 25 A, without leads, with screw terminals 6 mm<sup>2</sup> from rear

2 adjustable mounting rails	45	200	4	32.2	05		32436
		260	4	35.2	05		32439

## UL terminal cap

for busbar adapters 32436 and 32439	45	15	4	0.7	05		32973
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## Busbar adapter, 32 A, with leads AWG 10 (6 mm<sup>2</sup>)

1 adjustable mounting rail	45	200	4	33.3	05		32655
1 adjustable mounting rail	54		4	36.6	05		32441
2 adjustable mounting rails			4	38.0	05		32442
1 adjustable mounting rail	63		4	44.5	05		32443
1 adjustable mounting rail	72		4	44.3	05		32444
2 adjustable mounting rails	81		4	49.5	05		32446
2 adjustable mounting rails	54	260	4	43.3	05		32449

## Busbar adapter, 63 A, with leads AWG 8 (10 mm<sup>2</sup>)

1 adjustable mounting rail	54	200	4	39.2	05		32454
2 adjustable mounting rails			4	41.0	05		32455
1 adjustable mounting rail	63		4	44.9	05		32456
1 adjustable mounting rail	72		4	47.6	05		32457
2 adjustable mounting rails	81		4	51.3	05		32459
2 adjustable mounting rails	54	260	4	43.0	05		32461

## Busbar adapter, 80 A, without leads, with screw terminals 16 mm<sup>2</sup> from rear

1 adjustable mounting rail	54	200	4	37.3	05		32466
2 adjustable mounting rails			4	38.9	05		32467
1 adjustable mounting rail	72		4	45.0	05		32469
2 adjustable mounting rails	54	260	4	43.8	05		32472

## UL terminal cap

for busbar adapters 32466, 32467, 32469 and 32472	54	15	4	0.8	05		32974
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all devices can be mounted directly on busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars



**EQUES®60Classic - Busbar adapters 32 A - 80 A**

universal version

**Busbar adapter, 32 A, without leads, with spring terminal 1.5 - 6 mm<sup>2</sup> from front**

Type	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
1 adjustable mounting rail	45	200	4	32.5	05		<b>32486</b>
2 adjustable mounting rails		260	4	35.5	05		<b>32487</b>

**Busbar adapter, 80 A, without leads, with screw terminals 1.5 - 16 mm<sup>2</sup> from front**

1 adjustable mounting rail	54	200	4	37.3	05		<b>32464</b>
2 adjustable mounting rails		260	4	41.2	05		<b>32465</b>

**Busbar component support, without electrical connection**

2 adjustable mounting rails	45	200	4	24.8	05		32477
2 adjustable mounting rails	54		4	27.7	05		32478
for direct starter Siemens 3RA6	45		4	24.8	05		<b>32589</b>
2 adjustable mounting rails		260	4	27.9	05		32484
2 adjustable mounting rails	54		4	38.5	05		32485
1 adjustable mounting rail and 1 positioner for Siemens S00	45	200	4	24.8	05		32635
1 adjustable mounting rail and 1 positioner for Siemens S00 and S0		260	4	27.9	05		32636

**Side-mounted module, for busbar adapter**

attachable to both sides	9	200	10	2.3	05		32963
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**PE/N adapter module, with connection terminals 16 mm<sup>2</sup> top and bottom**

attachable to busbar adapter on both sides	18	242	4	14.1	05		32146
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**Accessories, for adapter**

Type	Pack size	Weight kg/100 u.	PG		Part No.
mounting rail 45 mm	10	1.4	05		32947
mounting rail 54 mm	10	1.5	05		32948
mounting rail 63 mm	10	1.8	05		32949
mounting rail 72 mm	10	2.0	05		32950
mounting rail 81 mm	10	2.1	05		32951
mounting rail end stop	50	0.1	05		32969
connecting element, universal	50	0.1	05		32954
8-pole connector, with support, 250 V	10	3.4	05		32511
10-pole connector, with support, 250 V	10	4.0	05		32513
lead AWG 14 (2.5 mm <sup>2</sup> ), 105 mm long	* 24	0.3	05		32921
lead AWG 10 (6 mm <sup>2</sup> ), 130 mm long	* 24	0.7	05		32907
lead AWG 4 (25 mm <sup>2</sup> ), 210 mm long	* 24	5.1	05		32914
double-lead 2x AWG 10 (2x 6 mm <sup>2</sup> ), 130 / 280 mm long	* 24	2.5	05		32915

\* ultrasonic-welded lead ends

all devices can be mounted directly on busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars



# EQUES®60Classic - Busbar adapters 16 A - 100 A

aligned to switchgear



## Busbar adapter, 16 A, with leads AWG 14 (2.5 mm<sup>2</sup>)

Type	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
for direct starter Allen-Bradley 140M-RC2E, Eaton PKZM0, Siemens S00, Schneider Electric GV2 with spring terminals	45	200	4	31.0	05		32429
for reversing starter Allen-Bradley 140M-RC2E, Eaton PKZM0, Siemens S00, Schneider Electric GV2 with spring terminals	90		2	57.0	05		32440

## Busbar adapter, 25 A, with leads AWG 12 (4 mm<sup>2</sup>)

for direct starter Eaton PKZM01, PKE12	45	200	4	33.0	05		32450
for reversing starter Eaton PKZM01, PKE12	90		2	54.6	05		32452
for direct starter Siemens S00 with screw connection	45	260	4	33.0	05		32445
for direct starter Siemens S00 with spring terminal connection			4	30.7	05		32637
for reversing starter Siemens S00 with screw connection	90	200	2	54.1	05		32448
for direct starter Siemens S00 with spring terminal connection	45		4	33.0	05		32650

## Busbar adapter, 32 A, with leads AWG 10 (6 mm<sup>2</sup>)

for direct starter ABB MS116/132	45	200	4	36.4	05		32498
for direct starter Eaton PKZM0, PKE32			4	36.4	05		32451
for reversing starter Eaton PKZM0, PKE32	90		2	61.2	05		32453
for direct starter Allen-Bradley 140MC/D	45		4	32.5	05		32533
for reversing starter Allen-Bradley 140M-C/D	54		4	38.0	05		32534
for direct starter Schneider Electric GV2-M/P	45	260	4	33.3	05		32434
for direct starter Schneider Electric GV2-M/P			4	36.2	05		32438
for direct starter Schneider Electric LUB12, LUB32		200	4	32.2	05		32427
for reversing starter Schneider Electric LUB12/32		260	4	35.1	05		32428
for direct starter Siemens S0 with screw connection			4	33.3	05		32639
for direct starter Siemens S0 with spring terminal connection		200	4	32.1	05		32659
for direct starter Siemens S0 with spring terminal connection		260	4	32.1	05		32638
for direct starter Siemens 3RA6		200	4	44.0	05		32588

## Busbar adapter, 63 A, with leads AWG 8 (10 mm<sup>2</sup>)

for direct starter ABB MS45x, Eaton PKZM4, Siemens S2	55	260	4	43.2	05		32460
for direct starter Allen-Bradley 140M-F	54	200	4	43.0	05		32535
for direct starter ABB MS45x and Eaton PKZ5	72	260	2	51.4	05		32463
for motor circuit breaker Eaton PKE65	54	200	4	43.0	05		32079
for direct starter Eaton PKE65	54	260	2	51.4	05		32090

## Busbar adapter, 80 A, with leads AWG 4 (25 mm<sup>2</sup>)

for circuit breaker Siemens Sirius frame size S2, 200 mm long	54	200	1	52.1	05		32662
for direct starter Siemens Sirius frame size S2, 260 mm long		260	1	59.1	05		32663
for reversing starter Siemens Sirius frame size S2, 260 mm long	117		1	87.3	05		32664
for Siemens NGG, HGG, LGG (up to 80 A)	72	200	2	66.0	05		32029

## Busbar adapter, 100 A, with leads AWG 4 (25 mm<sup>2</sup>)

for circuit breaker ABB MS49x and Siemens Sirius frame size S3, 200 mm long	72	200	1	66.0	05		32981
for Schneider Electric GV4	81	200	1	66.0	05		32034

all devices can be mounted directly on busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars



**EQUES®60Classic - Busbar adapters 160 A - 250 A**

aligned to switchgear

**Busbar adapter, 160 A, 3-pole**

Type	Rated current	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.	
for ABB T-max T1, XT1, T2, XT2, GE FD160, Schneider El. NS80, NSX80, top connection to the system	160 A	90	200	1	81.0	05		32575	
for ABB T-max T1, XT1, XT2, Allen-Bradley 140G-G and H, top connection to system	160 A			1	81.0	05		32018	
for ABB T-max T1, XT1, XT2, Allen-Bradley 140G-G and H, bottom connection to the system	160 A			1	81.0	05		32020	
for Schneider Electric NSXm 160 and NG125, top connection to system	160 A			1	81.0	05		32068	
for Allen-Bradley 140U-H, top connection to the system	160 A			1	81.0	05		32577	
for Eaton NZM1, connection top / bottom	160 A			92	1	81.0	05		32570
for Siemens 3VA10, 11 and VT160, top connection to the system	144 A			76	1	81.0	05		32660
for Siemens 3VA10, 3VA11, 3VA51 and Siemens NGG, LGG, HGG, top connection to the system	160 A			90	1	81.0	05		32028
for Siemens 3VA10, 3VA11, 3VA51 and Siemens NGG, LGG, HGG, bottom connection to the system	125 A	1	81.0		05		32030		
for Siemens 3VL1	160 A	105	190		1	95.3	05	32976	

**Busbar adapter, 250 A, 3-pole, connection to system at the top / bottom**

for ABB T-max T4 and Siemens 3RV1063	* 290 A	105	240	1	122.0	05		32601
for ABB T-max XT4, Allen-Bradley 140G-J	250 A		190	1	122.0	05		32023
for Eaton JG	250 A		1	90.0	05		32137	
for Eaton NZM2-XKR40 and NZM2-XKR4U	250 A		1	90.1	05		32140	
for Siemens 3VL2, 3VL3	250 A		1	95.3	05		32977	
for Siemens 3VT27, OEZ BD250	* 250 A		240	1	102.0	05		32651
for Siemens 3VA12, 20, 21, 22, 52, 61, 62	250 A		1	102.0	05		32017	
for Schneider Electric NSX100-NSX250, GV7, J250	250 A		190	1	93.8	05		32156
for Terasaki S250-NJ	* 250 A		240	1	102.0	05		32592

\* connection to system only at the top

**Busbar adapter, 250 A, 4-pole, connection to system at the top**

for ABB Tmax T4	250 A	140	270	1	180.0	05		32584
for ABB XT3, XT4, Allen-Bradley 140G-J	250 A			1	180.0	05		32586
for Eaton NZM2-XKR40	250 A			1	180.0	05		32580
for Siemens 3VA12, 20, 21, 22, 61, 62	250 A			1	153.0	05		32067
for Siemens 3VL2, 3VL3	250 A			1	180.0	05		32578
for Schneider Electric NSX100-NSX250	* 230 A		251	1	118.6	05		32642

\* top / bottom connection to the system

all devices can be mounted directly on busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars





# EQUES®60Classic - Busbar adapters 200 A - 630 A

aligned to switchgear or universal busbar adapters



## Busbar adapter, 630 A, 3-pole, phase pitch 43 - 45 mm, connection to system at the top / bottom

Type	Rated current	Width	Height	Pack size	Weight kg/100 u.	PG	Part No.
for ABB T-max T5, Allen-Bradley 140G-K and Siemens 3RV1073	580 A	140	300	1	252.0	05	32593
for Allen-Bradley 140U-K, 140U-L, 140M-L	600 A		272	1	212.0	05	32138
for Schneider Electric NS400/630, NSX 400/630	570 A			1	222.6	05	32157
for Eaton NZM3-XKR13O and NZM3-XKR13U	630 A		300	1	250.0	05	32978
for Siemens 3VL4	400 A		295	1	222.4	05	32975
for Siemens 3VA13, 14, 23, 24, 53, 54, 63, 64	590 A		300	1	250.0	05	32031
for Siemens 3VT37, OEZ BH630	600 A			1	250.0	05	32641

## Busbar adapter, 630 A, 3-pole, phase pitch 63 mm, connection to system at the top

for Siemens 3VL5	580 A	184	325	1	276.0	05	32980
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## Busbar adapter, 650 A, 3-pole, phase pitch 70 mm, connection to system at the top

for ABB T-max T6, Allen-Bradley 140G-M and Siemens 3RV1073	650 A	238	300	1	285.6	05	32064
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## Busbar adapter, 630 A, 4-pole, phase pitch 43 - 45 mm, connection to system at the top

for ABB Tmax T5, Allen-Bradley 140G-K	500 A	185	300	1	360.0	05	32585
for Schneider Electric NSX400-NSX630 *	520 A		284	1	283.1	05	32643
for Eaton NZM3-XKR13O	500 A		300	1	350.0	05	32581
for Siemens 3VA13, 14, 23, 24, 53, 54, 63, 64	590 A			1	350.0	05	32033
for Siemens 3VL400	400 A			1	350.0	05	32579

\* connection to the system at the top / bottom

## Universal busbar adapter, 200 A - 250 A, 3-pole

terminals 70 mm <sup>2</sup> at top	200 A	108	222	1	84.2	05	32214
terminals 70 mm <sup>2</sup> at bottom	200 A			1	86.0	05	32215
terminals 35 - 120 mm <sup>2</sup> at top	250 A	110	320	1	160.4	05	32168
terminals 35 - 120 mm <sup>2</sup> at bottom	250 A			1	164.0	05	32216

for all commercially available switchgear with M4 fixing screws (see accessories for M5 screws)

## Universal busbar adapter, 630 A, 3-pole

connection screws M12 (top / bottom)	630 A	184	320	1	278.0	05	32004
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## Accessories, slide nut M5, for universal busbar adapters 200 A - 250 A

Type	Pack size	Weight kg/100 u.	PG	Part No.
for 32168, 32214, 32215, 32216	4	0.4	05	32937

## Accessories, mounting set, adjustable for various MCCBs

Type	Width	Height	Pack size	Weight kg/100 u.	PG	Part No.
for adapter 32004	180	315	1	82.0	05	32982

all devices can be mounted directly on busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars



# MOTUS®60Classic - OMUS®60Classic

for switching of inductive and resistive loads



## Hybrid motor starter, MOTUS®60Classic, 3-pole, with reversing function and CrossLink®Technology

Type	Width	Height	Depth	Pack size	Weight kg/100 u.	PG		Part No.
0.075 - 0.6 A direct and reversing starter	22.5	200	156	1	56.1	21		36102
0.18 - 2.4 A direct and reversing starter				1	56.5	21		36105
1.5 - 9 A direct and reversing starter				1	56.6	21		36108

## Hybrid motor starter IO-Link, MOTUS®60Classic, 3-pole, with reversing function, CrossLink®Technology and communication interface

Type	Width	Height	Depth	Pack size	Weight kg/100 u.	PG		Part No.
IO-Link 0.18 - 3 A direct and reversing starter	22.5	200	156	1	56.6	21		36125
IO-Link 1.5 - 9 A direct and reversing starter				1	56.6	21		36128

## Replacement component, for MOTUS®60Classic

Type	Pack size	Weight kg/100 u.	PG		Part No.
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	11.0	05		36114
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®60Classic, 3- or 1-pole switchable, for resistive loads, with CrossLink®Technology

Type	Width	Height	Depth	Pack size	Weight kg/100 u.	PG		Part No.
25 A (IEC)	36	200	144	1	45.8	21		36153
20 A (UL)				1	45.8	21		36158

supplied with both load and control plug

## Replacement component, for OMUS®60Classic

Type	Pack size	Weight kg/100 u.	PG		Part No.
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	10.8	05		36156
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

\* maximum load current 20 A

## Replacement fuse, for OMUS®60Classic

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

all devices can be mounted directly on busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars



## CUSTO®60Classic - D fuse-bases

3-pole DII and DIII fuse-bases



### D busbar mounted fuse-base with touch-safe protection incl. strip cover, for gauge rings

Type	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
E 27 / 3P	42	200	8	29.7	01		<b>31946</b>
E 33 / 3P	57		6	39.8	01		<b>31947</b>

### D busbar mounted fuse-base with touch-safe protection incl. strip cover, for screw-in gauge rings

E 27 / 3P	42	200	8	28.7	01		<b>31950</b>
E 33 / 3P	57		6	38.7	01		<b>31951</b>

### D busbar mounted fuse-base without strip cover, for gauge rings

E 27 / 3P	42	200	10	23.3	01		<b>31918</b>
E 33 / 3P	57		10	32.0	01		<b>31919</b>

### D busbar mounted fuse-base without strip cover, for screw-in gauge rings

E 27 / 3P	42	200	10	22.3	01		<b>31441</b>
E 33 / 3P	57		10	30.9	01		<b>31442</b>

### D strip cover

Type	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
E 27	42	200	10	4.9	01		<b>31070</b>
E 33	57		10	6.2	01		<b>31071</b>
E 27	84		5	8.4	01		<b>31072</b>
E 33	114		5	10.8	01		<b>31073</b>

### Shock protection cover, for all strip covers

attachable on either side			10	1.3	01		<b>79663</b>
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all devices can be mounted directly on busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars

**SECUR®60Classic - CUSTO®60Classic**

3-pole D0 switch-disconnectors and D0 D0 fuse-bases

**D0 busbar mounted switch-disconnector-fuse, PowerLiner, tall version, 3-pole, 3-pole / 1-pole switching**

Type	Rated current	Rated voltage	Utilization category	Depth	Pack size	Weight kg/100 u.	PG		Part No.
for fuse links D01 and D02	63 A	400 V	AC-23A (400 V)	104	1	75.9	01		<b>31158</b>
for D01 and D02 fuses, with LED				104	1	76.5	01		<b>31525</b>

for continuous loads greater than or equal to 35 A, use of the 9 mm side-mounted module is recommended, IEC / EN 61439-2  
fuse links not included

**Accessory, for busbar mounted switch-disconnectors PowerLiner**

Type	Pack size	Weight kg/100 u.	PG		Part No.
pilot switch	1	0.7	01		<b>31903</b>
side-mounted module	5	6.1	01		<b>31901</b>
reducer D02 for D01 fuses 2 - 16 A	20	0.1	01		<b>31902</b>

**D0 busbar mounted fuse-base, touch-safe protection, incl. strip cover**

Type	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
E 18 / 63 A	*	200	8	14.4	01		<b>31935</b>
E 18 / 63 A	36		6	16.1	01		<b>31936</b>

\* the 36 mm wide version allows optimal cable routing and heat removal

**D0 busbar mounted fuse-base, without strip cover**

Type	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
E 18 / 3P	*	200	10	14.7	01		<b>01647</b>
E 18 / 3P	36		10	15.5	01		<b>01498</b>

\* the 36 mm wide version allows optimal cable routing and heat removal

**D0 strip cover**

Type	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
E 18	27	200	10	2.6	01		<b>01980</b>
	36		10	3.1	01		<b>01424</b>
	54		10	4.0	01		<b>01981</b>

**Shock protection cover, for all strip covers**

Type	Pack size	Weight kg/100 u.	PG		Part No.
attachable on either side	10	1.3	01		<b>79663</b>

all devices can be mounted directly on busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars

## SECUR®60Classic - QUADRON®60Classic

3-pole D0 switch-disconnector-fuses and NH fuse-switch-disconnectors



**D0 busbar mounted switch-disconnector-fuse, EasyLiner**, flat version, for the 3-pole busbar system, conductor connections with spring clamp technology

Type	Rated current	Rated voltage	Utilization category	Depth	Pack size	Weight kg/100 u.	PG	Part No.
for D01 and D02 fuses	63 A	400 V	AC-22B (400V)	80	1	33.0	01	<b>31574</b>
for D01 and D02 fuses, with LED				80	1	33.0	01	<b>31575</b>

for continuous loads greater than or equal to 35 A, use of the 9 mm side-mounted module is recommended, IEC / EN 61439-2 fuse links not included

**D0 busbar mounted switch-disconnector-fuse, EasyLiner**, 3-pole, flat version, for the 5-pole busbar system, conductor connections with spring clamp technology

Type	Rated current	Rated voltage	Utilization category	Depth	Pack size	Weight kg/100 u.	PG	Part No.
for D01 and D02 fuses	63 A	400 V	AC-22B (400V)	80	1	33.0	01	<b>31578</b>
for D01 and D02 fuses, for busbar systems 250 A, 400 A and 630 A of company Hensel				80	1	33.0	01	<b>31588</b>
for D01 and D02 fuses, with LED				80	1	33.0	01	<b>31579</b>

for continuous loads greater than or equal to 35 A, use of the 9 mm side-mounted module is recommended, IEC / EN 61439-2 fuse links not included

**Accessories** for D0 busbar mounted switch-disconnector **EasyLiner**

Type	Pack size	Weight kg/100 u.	PG	Part No.
pilot switch	1	0.7	01	<b>31976</b>
9 mm side module for 31574 and 31575	5	6.1	01	<b>31914</b>
9 mm side module for 31578 and 31579	5	6.1	01	<b>31915</b>
reducer D02 for D01 fuses 2 - 16 A	20	0.1	01	<b>31902</b>



**Busbar support**, 60 mm system, **5-pole**, for the VMS (GE) and AKi (Spelsberg) range of boxes

Type	Pack size	Weight kg/100 u.	PG	Part No.
for busbars 3x (12, 20, 30 x 10) and 2x (12, 20, 25 x 5, 10)	30	16.7	06	<b>01138</b>

**Reducer**, for 5 mm busbars

reducer for busbar support 01138	100	0.1	06	<b>01170</b>
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**NH busbar mounted fuse-switch-disconnector**, size 00, connection at top / bottom, 3-pole with short connection module for **5-pole** busbar systems, distribution boards/insulated distribution boards

Type	Size	Width	Height	Pack size	Weight kg/100 u.	PG	Part No.
box terminal	NH 00	106	200	1	100.0	09	<b>33075</b>
screw M8	NH 00			1	100.0	09	<b>33079</b>

all devices can be mounted directly on busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars



## AMBUS®60Classic - SECUR®60Classic - Fuse-holders

for cylindrical fuses 10x38



### Busbar mounted fuse-holder, 1-pole

Type	For busbar	Rated current	Rated voltage	Width	Pack size	Weight kg/100 u.	PG		Part No.
for fuses 10x38 IEC 60269-6	30 x 5, 10	30 A	1000 V	22.5	12	6.1	01		31570
for fuses 10x38 IEC 60269-6, with LED 110 - 690 V AC / DC				22.5	12	6.6	01		31571
for fuses 10x38 IEC 60269-6	20 x 5, 10			22.5	12	6.3	01		31572

### Busbar mounted fuse-holder, 2-pole, with spring terminals

for fuses 10x38 IEC 60269-2	12, 15, 20, 25, 30 x 5, 10 and section busbars	32 A	690 V	27	6	12.2	01		31961
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### Busbar mounted fuse-holder, 3-pole, with spring terminals

for fuses 10x38 IEC 60269-2	12, 15, 20, 25, 30 x 5, 10 and section busbars	32 A	690 V	27	4	18.5	01		31954
for fuses 10x38 IEC 60269-2, with LED 110 - 690 V AC / DC					4	18.7	01		31955

### Busbar mounted fuse-holder, 3-pole +N, all-pole disconnecting, with spring terminals

for fuses 10x38 IEC 60269-2	12, 15, 20, 25, 30 x 5, 10 and section busbars	32 A	690 V	27	4	25.2	01		31963
for fuses 10x38 IEC 60269-2, with LED 110 - 690 V AC / DC					4	25.2	01		31964



### Busbar mounted switch-disconnector-fuse, PowerLiner, tall version, 3-pole / 1-pole switching

Type	für Sammel-schiene	Rated current		Width	Pack size	Weight kg/100 u.	PG		Part No.
for fuses 10x38 IEC 60269-2	12, 15, 20, 25, 30 x 5, 10 and section busbars	32 A	690 V	27	1	76.0	01		31232

for continuous loads greater than or equal to 35 A, use of the 9 mm side-mounted module is recommended, IEC / EN 61439-2  
fuse links not included

### Accessory, for busbar mounted switch-disconnectors PowerLiner

Type	Pack size	Weight kg/100 u.	PG		Part No.
pilot switch	1	0.7	01		31903
side-mounted module	5	6.1	01		31901

all devices can be mounted directly on busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars



# AMBUS®60Classic - QUADRON®60Classic - Fuse-holders

for fuses according to UL 248



## Busbar mounted fuse-holder, 30 A Class CC, AMBUS®60Classic, 3-pole, with spring terminals

Type	Rated current	Rated voltage	Width	Pack size	Weight kg/100 u.	PG		Part No.
for fuses Class CC UL 248-4	30 A	600 V	27	4	18.6	01		31958
for fuses Class CC UL 248-4, with LED 110 - 690 V AC / DC				4	18.8	01		31959

for busbars 12, 20, 20 x 5,10 and section busbars

## Busbar mounted fuse-holder, 30 A - 200 A Class J, QUADRON®60Classic, 3-pole, connection at top / bottom

for fuse links Class J 1 - 30 A (21x57)	30 A	600 V	106	1	138.0	16		33421
for fuse links Class J 35 - 60 A (27x60)	60 A			1	135.0	16		33422
for fuse links Class J 70 - 100 A (29 x 118)	* 100 A			1	129.0	16		33402
for fuse links Class J 110 - 200 A (41x146)	* 200 A			184	1	278.0	16	

for busbars 12, 20, 20 x 5,10 and section busbars

\* do not use fuse links with sharp-edged blades

## Busbar mounted fuse-holder, 30 A / 60 A Class J, AMBUS®60Classic, complete solution on busbar adapter, 3-pole

for fuse links Class J 1 - 30 A (21x57), with LED	30 A	600 V	108	1	110.0	16		31968
for fuse links Class J 35 - 60 A (27x60), with LED	60 A		126	1	131.0	16		31970

for busbars 12, 20, 20 x 5,10 and section busbars

## Busbar mounted fuse-base, 400 A Class J, QUADRON®60Classic, 3-pole, connection at top or bottom

for fuse links Class J 225 - 400 A (54x181)	400 A	600 V	256	1	690.0	16		33311
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for busbars 30 x 10 and section busbars





**QUADRON® 60Classic - NH fuse-bases, size 00 - 2**

QCC for NH fuses

**NH busbar mounted fuse-base, size 00 - 1, with touch-safe protection, 3-pole connection at top / bottom**

Type	Rated current	Size	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
box terminal	160 A	NH 00	106	200	1	87.0	10		<b>03199</b>
screw M8					1	87.0	10		<b>03299</b>
box terminal	250 A	NH 1	184	210	1	210.5	10		<b>03300</b>
screw M10					1	198.5	10		<b>03301</b>

**NH busbar mounted fuse-base, size 00, with touch-safe protection, 3-pole connection at top**

Type	Rated current	Size	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
terminal 70 mm <sup>2</sup>	160 A	NH 00	99	200	4	66.5	10		<b>03654</b>
screw M8				200	4	64.5	10		<b>03656</b>

**NH busbar mounted fuse-base, size 2, with touch-safe protection, 3-pole connection at bottom**

Type	Rated current	Size	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
screw M10	400 A	NH 2	206	195	1	291.2	10		<b>03693</b>

**Accessories, for NH fuse-bases**

Type	Size	Pack size	Weight kg/100 u.	PG		Part No.
grip lug cover	*	00	30	1.2	10	<b>79448</b>
grip lug cover for 03300, 03301		1	3	2.5	10	<b>33916</b>
grip lug cover	**	1 - 3	30	1.5	10	<b>79449</b>
connection for auxiliary line, for box terminal		00	3	0.6	09	<b>33915</b>
prism terminal, single, for Cu and Al cables	***	00	3	3.0	09	<b>33224</b>
tunnel terminal for screw connection M8		00	3	4.2	09	<b>01182</b>
cover for cable lugs, top / bottom attachable		00	1	2.8	09	<b>79811</b>

\* 1 piece required per fuse

\*\* 2 pieces required per fuse

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

all devices can be mounted directly on busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars

# QUADRON®60Classic - NH fuse-switch-disconnectors, size 000 - 3

QCB for NH fuses



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

Type	Rated current	Size	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
box terminal	125 A	NH 000	49.5	200	1	53.5	09		<b>33802</b>
box terminal			89		1	113.0	09		33216
box terminal	160 A	NH 00	106		1	100.0	09		33198
screw M8					1	103.0	09		33398
box terminal	250 A	NH 1	184	243	1	266.0	09		33600
screw M10					1	266.0	09		33601
screw M10	*	400 A	NH 2	210	288	1	522.0	09	33602
screw M12	**	630 A	NH 3	256	300	1	756.0	09	33603

NH busbar mounted fuse-switch-disconnector size 00 with short connection module for 5-pole busbar systems, distribution boards / insulated distribution boards; see 33075 or 33079

\* for size 2 the conversion kit 33148 is required for mounting on 5 mm busbars

\*\* size 3 is not suitable for 5 mm busbars

## NH busbar mounted fuse-switch-disconnector, size 00 - 3, connection at top / bottom, 3-pole, with electronic fuse monitoring

box terminal	160 A	NH 00	106	200	1	117.0	09		33324
screw M8					1	117.0	09		33394
screw M10	250 A	NH 1	184	243	1	223.0	09		33325
screw M10	400 A	NH 2	210	288	1	572.0	09		33326
screw M12	*	630 A	NH 3	256	300	1	796.0	09	33327

circuit diagram for fuse monitoring can be found online at [www.woehner.com](http://www.woehner.com)

\* size 3 is not suitable for 5 mm busbars

## NH busbar mounted fuse-switch-disconnector, size 00 - 3, connection at top / bottom, 3-pole, with electromechanical fuse monitoring

box terminal	160 A	NH 00	106	200	1	180.0	09		33206
screw M8					1	180.0	09		33420
screw M10	250 A	NH 1	184	243	1	333.0	09		33160
screw M10	400 A	NH 2	210	288	1	574.0	09		33161
screw M12	*	630 A	NH 3	256	300	1	824.0	09	33162

circuit diagram for fuse monitoring can be found online at [www.woehner.com](http://www.woehner.com)

\* size 3 is not suitable for 5 mm busbars

## Accessories, busbar adapter base with CrossLink® interface

Type	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
with CrossLink® interface	49.5	200	4	12.7	05		<b>32620</b>
busbar adapter base with CrossLink® interface	106		2	36.5	05		<b>32594</b>
busbar adapter base with CrossLink® interface	184	210	2	75.5	05		<b>32595</b>



## QUADRON® 60Classic - Accessories

for NH fuse-switch disconnectors QCB, size 000 - 3



### Pilot switch, for monitoring the disconnector lid position

Type	Size	Pack size	Weight kg/100 u.	PG	Part No.
changeover 250 V AC / 5 A, 30 V DC / 4 A	000 - 3	1	1.1	09	<b>33156</b>
changeover 250 V AC / 5 A, 30 V DC / 4 A	1	1	1.3	09	<b>33917</b>

33156 not suitable for fuse-switch-disconnectors size 1 and part no. 33802

### Disconnector lid interlock

for sealing wire	000	10	0.1	09	<b>33051</b>
	00	10	0.2	09	<b>03849</b>
for sealing wire or 3 padlocks with shackle of 4 - 7 mm	1 - 3	10	0.5	09	<b>33157</b>

### Barrier for handle

for closing of handle area from rear	1 - 3	10	2.2	09	<b>33155</b>
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### Arc chamber

retrofit package for higher utilisation category	1	3	10.7	09	<b>33918</b>
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### Conversion kit, for mounting on busbars 12, 15, 20, 25 and 30 x 5, only for size 2

for 5 mm busbars	2	1	6.5	09	<b>33148</b>
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### Connection accessories

Type	Connection	Size	Pack size	Weight kg/100 u.	PG	Part No.
connection for auxiliary line, for box terminal	6.3 x 0.8	00	3	0.6	09	<b>33915</b>
box terminal for Cu cables	35 - 185 mm <sup>2</sup> / 24 x 3 - 21	1	3	10.0	09	<b>33909</b>
clamp connector for Cu cables	70 - 150 mm <sup>2</sup> / 18 x 2 - 14	1	1	6.3	09	<b>33163</b>
clamp connector for Cu cables	120 - 240 mm <sup>2</sup> / 21 x 1 - 14	2	1	10.6	09	<b>33164</b>
clamp connector for Cu cables	150 - 300 mm <sup>2</sup> / 25 x 1 - 13	3	1	12.5	09	<b>33165</b>
prism terminal, single, for Cu and Al cables	* 16 - 70 mm <sup>2</sup>	00	3	3.0	09	<b>33224</b>
prism terminal, single, for Cu and Al cables	* 35 - 150 mm <sup>2</sup>	1	1	11.6	09	<b>33166</b>
prism terminal, single, for Cu and Al cables	* 50 - 240 mm <sup>2</sup>	2	1	19.9	09	<b>33167</b>
prism terminal, single, for Cu and Al cables	* 150 - 300 mm <sup>2</sup>	3	1	24.7	09	<b>33168</b>
prism terminal, double, for Cu cables	2x 35 - 70 mm <sup>2</sup>	1	1	16.6	09	<b>33145</b>
prism terminal, double, for Cu cables	2x 70 - 120 mm <sup>2</sup>	2	1	27.8	09	<b>33146</b>
prism terminal, double, for Cu cables	2x 150 mm <sup>2</sup>	3	1	36.8	09	<b>33147</b>
prism terminal, double, for Cu cables	2x 185 mm <sup>2</sup>	3	1	36.8	09	<b>33385</b>
tunnel terminal for screw connection M8	1x 2.5 - 16 mm <sup>2</sup> + 2x 2.5 - 25 mm <sup>2</sup>	00	3	4.2	09	<b>01182</b>

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

### 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	2.6	09	<b>33806</b>

to extend the NH000 device 33802 to a width of 53 mm, to enable the installation of two devices in the frame of one NH fuse-switch-disconnector NH00 (106 mm)

## QUADRON®60Classic - Accessories

for NH fuse-switch disconnectors QCB, size 00 - 3



**Equalising trim**, to balance the installation depth

Type	Dimensions W x H x D	Size	Pack size	Weight kg/100 u.	PG		Part No.
trim cover, 2 parts	106 x 350 x 83	00	1	12.4	09		<b>33315</b>
trim strip, attachable at side	20 x 350 x 35	00	2	6.0	09		<b>33317</b>
cover for cable lugs, top / bottom attachable	183 x 65 x 68	1	2	10.7	09		<b>33142</b>
trim cover, 2 parts	210 x 350 x 83	2	1	21.1	09		<b>33316</b>

for trim cut-out 300 to 340 high, 83 in front of the busbar front edge



### Cover

Type	Size	Pack size	Weight kg/100 u.	PG		Part No.
cover for cable lugs, top / bottom attachable	00	1	2.8	09		<b>79811</b>
	1	2	10.7	09		<b>33142</b>
	2	2	10.9	09		<b>33143</b>
	3	2	15.6	09		<b>33144</b>
connection shroud	2	2	4.0	09		<b>33418</b>
	3	2	5.4	09		<b>33419</b>

# QUADRON® 60Classic Speed - NH switch-disconnector with fuses 125 A / 250 A

QCS with snap-action switch mechanism, module width 106



## NH busbar mounted switch-disconnector-fuse, size 00, 3-pole, with multifunction handle (snap-action switch mechanism)

Type	Rated current	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
box terminal, connection bottom	125 A	106	200	1	219.0	15		<b>33500</b>
box terminal, connection top				1	219.0	15		<b>33501</b>
box terminal, connection bottom, with electronic fuse monitoring				1	236.0	15		<b>33506</b>

fuse not included  
circuit diagram for fuse monitoring can be found online at [www.woehner.com](http://www.woehner.com)

## NH bus mounting switch-disconnector-fuse, size 00, 3-pole, with door coupling rotary drive (snap-action switch mechanism)

box terminal, connection bottom, for door coupling rotary handle	125 A	106	200	1	208.0	15		<b>33503</b>
box terminal, connection top, for door coupling rotary handle				1	208.0	15		<b>33504</b>

fuse not included  
additional extension shaft and door coupling rotary handle required  
additional QCS for door coupling rotary handle with lateral actuation on request

## NH busbar mounted switch-disconnector-fuse, size 1, 3-pole, with multifunction handle (snap-action switch mechanism)

Type	Rated current	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
screw M10, connection bottom	250 A	184	286	1	567.0	15		<b>33510</b>
screw M10, connection top	250 A	184	314	1	589.0	15		<b>33511</b>
screw M10, connection bottom, with electronic fuse monitoring	250 A	184	286	1	625.0	15		<b>33516</b>

fuse not included  
circuit diagram for fuse monitoring can be found online at [www.woehner.com](http://www.woehner.com)

## NH busbar mounted switch-disconnector-fuse, size 1, 3-pole, with door coupling rotary drive (snap-action switch mechanism)

screw M10, connection bottom, for door coupling rotary handle	250 A	184	286	1	555.0	15		<b>33513</b>
screw M10, connection top, for door coupling rotary handle	250 A	184	314	1	577.0	15		<b>33514</b>

fuse not included  
additional extension shaft and door coupling rotary handle required

all devices can be mounted directly on busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars

# QUADRON® 60 Classic Speed - NH switch-disconnectors 160 A / 320 A

QCS with snap-action switch mechanism, module width 184



## Busbar mounted switch-disconnector, 3-pole, with multifunction handle (snap-action switch mechanism)

Type	Rated current	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
box terminal, connection bottom	160 A	106	200	1	216.0	14		<b>33540</b>
box terminal, connection top				1	216.0	14		<b>33541</b>

as main switch or emergency off switch only with the following maximum operating current: 280 A / 400 V AC, 250 A / 690 V AC

## Busbar mounted switch-disconnector, 3-pole, with door coupling rotary drive (snap-action switch mechanism)

box terminal, connection bottom, for door coupling rotary handle	160 A	106	200	1	208.0	14		<b>33543</b>
box terminal, connection top, for door coupling rotary handle				1	208.0	14		<b>33544</b>

additional extension shaft and door coupling rotary handle required; as main switch or emergency off switch only with the following maximum operating current: 280 A / 400 V AC, 250 A / 690 V AC

## Busbar mounted switch-disconnector, 3-pole, with multifunction handle (snap-action switch mechanism)

screw M10, connection bottom	320 A	184	286	1	565.0	14		<b>33550</b>
screw M10, connection top	320 A	184	314	1	587.0	14		<b>33551</b>

as main switch or emergency off switch only with the following maximum operating current: 280 A / 400 V AC, 250 A / 690 V AC

## Busbar mounted switch-disconnector, 3-pole, with door coupling rotary drive (snap-action switch mechanism)

screw M10, connection bottom, for door coupling rotary handle	320 A	184	286	1	543.0	14		<b>33553</b>
screw M10, connection top, for door coupling rotary handle	320 A	184	314	1	565.0	14		<b>33554</b>

as main switch or emergency off switch only with the following maximum operating current: 280 A / 400 V AC, 250 A / 690 V AC  
additional extension shaft and door coupling rotary handle required

all devices can be mounted directly on busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars

## QUADRON® 60Classic - Accessories

for QCS module width 106 and 184



### Accessories

Type	Usable for version	Pack size	Weight kg/100 u.	PG		Part No.
connecting terminal 120 mm <sup>2</sup>	QCS-NH00, QCS-160	3	12.1	14		<b>33914</b>
connection for auxiliary line, for box terminal	QCB-NH00, QCS-NH00, QCS-160	3	0.6	09		<b>33915</b>
pilot switch for monitoring the switch position	QCS-NH00, QCS-NH1, QCS-160, QCS-320	1	1.1	14		<b>33908</b>
cover for cable lugs, top / bottom attachable	QCB-NH1, QCS-NH1, QCS-320	2	10.7	09		<b>33142</b>
door coupling rotary handle, black, without shaft	* QCS-NH00, QCS-NH1, QCS-160,	1	57.0	14		<b>33910</b>
door coupling rotary handle, red-yellow, without shaft	* QCS-320	1	57.0	14		<b>33911</b>
extension shaft, 290 mm long		1	13.0	14		<b>33912</b>
extension shaft, 490 mm long		1	22.0	14		<b>33913</b>

\* switch can also be installed 90° left / right, always with the same handle position



### Connection accessories

Type	Connection	Usable for version	Pack size	Weight kg/100 u.	PG		Part No.
box terminal for Cu cables	35 - 185 mm <sup>2</sup> / 24 x 3 - 21	QCB-NH1, QCS-NH1, QCS-320	3	10.0	09		<b>33909</b>
prism terminal, single, for Cu and Al cables	35 - 150 mm <sup>2</sup>		1	11.6	09		<b>33166</b>
prism terminal, double, for Cu cables	2x 35 - 70 mm <sup>2</sup>		1	16.6	09		<b>33145</b>
clamp connector for Cu cables	70 - 150 mm <sup>2</sup> / 18 x 2 - 14	QCB-NH1, QCS-NH1, LTS-F 250, LTS 400	1	6.3	09		<b>33163</b>



## QUADRON® 60Classic - NH in-line fuse-switch-disconnectors, size 00

for snapping onto the busbar system



### NH in-line fuse-switch-disconnector, size 00, 3-pole switchable, connection at top / bottom

Type	Rated current	Size	Width	Height	Pack size	Weight kg/100 u.	PG		Part No.
screw M8 / clamp 70 mm <sup>2</sup>	160 A	NH 00	50	455	1	146.0	12		<b>33234</b>
screw M8 / clamp 70 mm <sup>2</sup> , with electronic fuse monitoring	160 A	NH 00	50	610	1	146.0	12		<b>33285</b>

with terminal compartment cover  
circuit diagram for fuse monitoring can be found online at [www.woehner.com](http://www.woehner.com)



### Pilot switch, for monitoring of the disconnector lid position

Type	Size	Pack size	Weight kg/100 u.	PG		Part No.
changeover 250 V AC / 5 A, 30 V DC / 4 A	000 - 3	1	1.1	09		<b>33156</b>

### Accessories

Type	Connection	Size	Pack size	Weight kg/100 u.	PG		Part No.
clamp connector	1.5 - 70 mm <sup>2</sup> / 12 x 1 - 10	00	3	1.5	09		<b>03727</b>
M8 screw connector	70	00	3	1.4	09		<b>30894</b>
prism terminal, single, for Cu and Al cables	*	16 - 70 mm <sup>2</sup>	00	3	09		<b>33224</b>
connection cover			00	2	12		<b>33280</b>

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

all devices can be mounted directly on busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars

## Special solutions for busbar systems



**Busbar support**, 60 mm system, **5-pole**, for VMS (GE) and AKI (Spelsberg) range of boxes

Type	Pack size	Weight kg/100 u.	PG	Part No.
for busbars 3x (12, 20, 30 x 10) and 2x (12, 20, 25 x 5, 10)	30	16.7	06	<b>01138</b>

**Reducer**, for 5 mm busbars

reducer for busbar support 01138	100	0.1	06	<b>01170</b>
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3 pieces are required for a busbar support

**Busbar support**, fits the Striebel & John system

Type	For busbar	Pack size	Weight kg/100 u.	PG	Part No.
3-pole with internal screw holes	12, 20, 30 x 5, 10	10	10.0	06	<b>01603</b>
1-pole, attachable to 01603 or individual mounting, with integrated end cover		1	4.1	06	<b>01355</b>

**End cover**

for busbar supports 01484, 01495, 01500, 01508 and 01603	10	2.0	06	<b>01573</b>
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**NH busbar mounted fuse-switch-disconnector**, outgoing terminal at top / bottom, 3-pole with short connection module for 5-pole busbar systems, distribution boards / insulated distribution boards

Type	Size	Rated current	Pack size	Weight kg/100 u.	PG	Part No.
box terminal	NH 00	160 A	1	100.0	09	<b>33075</b>
screw M8	NH 00	160 A	1	100.0	09	<b>33079</b>

**Cover frame**

for boxes VMS	10	16.6	06	<b>01139</b>
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**Reserve section cover**, for use only with cover frame 01139

54 x 195, pitch 3 x 18 mm	10	4.5	06	<b>79738</b>
variable, 36 to 64 x 195, with 2 pieces	10	3.2	06	<b>79859</b>

**Connection lug with brace terminal**, for device connections

Type	For use up to max.	Pack size	Weight kg/100 u.	PG	Part No.
for cables Cu and Al 120 - 300 mm <sup>2</sup>	* 600 A	3	36.6	07	<b>01890</b>

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

all devices can be mounted directly on busbars 12, 15, 20, 25, 30 x 5, 10 and section busbars

