

System benefits

The 100mm-system and the 185mm-system power are designed for use in efficient power distribution assemblies with a high short-circuit withstand capacity. The small size of the NH in-line fuse switch disconnectors used in these systems allows the switch cubicle space to be used optimally. The wide spacing of the busbars in the 185mm-system power means that short-circuit ratings in excess of 100kA can be achieved. All components of the 100mm-system and the 185mm-system power can be mounted with little handling, and the time-consuming task of drilling busbars is no longer required.

Connection technology

Wöhner offers universal-conductor terminals, CRITO® ProfiClips and stud-type terminals for making connections to the busbars without drilling. Clip-on screw-type terminals are also available to permit the connection, without drilling, of conductors fitted with cable lugs. Busbar connectors up to 80 x 40mm are used to connect flat conductors and laminated busbars. Switchgear rated up to 200A can be accommodated in the 100mm-system using an adapter.

NH bus-mounting fuse bases

Single-pole NH fuse bases up to size 3, with protection against accidental contact with live parts, are available for both the 100mm-system and the 185mm-system power. Three-pole block-form NH fuse bases in size 00 are also available for direct connection to the 100/185mm system.

SECUR®LeanStreamer

The SECUR®LeanStreamer NH in-line fuse switch disconnector in sizes 00 to 3 can be mounted easily onto the 100mm-system and the 185mm-system power. The development of new technology allows the SECUR®LeanStreamer to be mounted without the need for drilling. Current transformers can be fully integrated into the main body of the NH in-line fuse switch disconnectors in sizes 1 to 3. The current transformer can also be integrated into SECUR®LeanStreamer sizes 1 to 3 at any time. The wiring of the transformer can be carried out on the terminal of an optional component support. The SECUR®LeanStreamer size 00 can be fitted in the 100mm module and in the 185mm-system power using double adapters. Current transformers with NH in-line fuse switch disconnectors size 00 in the 185mm-system power can also be used now. The transformer can be mounted in the single or double adapter at any time. SECUR®LeanStreamer offers a version with an electronic fuse monitoring feature for enhanced fuse monitoring. SECUR®LeanStreamer are available as open fuse units in addition to the single-pole and 3-pole switching NH in-line fuse switch disconnector versions. The wide choice of connection accessories allows round sector conductors to be connected.



SECUR®LeanStreamer

Double NH fuse block

1250A, 2 x NH size 3

Choice of outgoing connection at top or bottom

Connection 4 x M12 screw for cable lug, with appropriately sized cover



Assembly of the busbar in the 185mm-System power with no drilling required

Current transformers can be retro-fitted for SECUR®LeanStreamer sizes 00 to 3



The universal busbar support allows 10mm thick DIN flat and section busbars to be assembled without drilling

The NH in-line fuse switch disconnectors size 00 to 3 are accommodated in the 185mm-system power without drilling

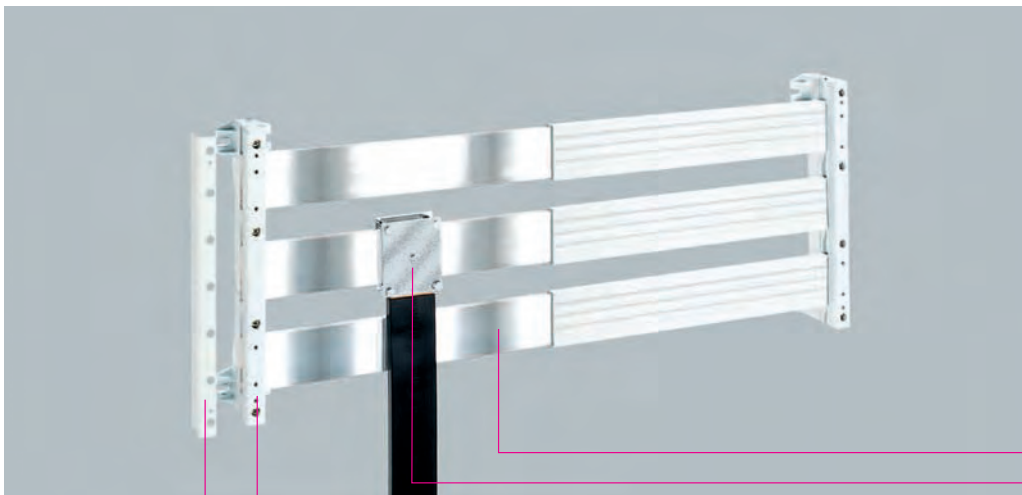


Current transformer mounting is generally prepared

No additional space requirements, simply swivel



Transformer available in various measurement ranges and precision classes



- 01 628
- 01 617
- 01 479
- 01 254

Universal busbar support 100mm, 3-pole

Type	Pack size	Weight	Part no.
for undrilled busbars 30, 40, 50, 60 x 10	4	kg/100 units 47.1	01 479 06

End cover

for busbar support 01 479	10	5.3	01 254 06
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Standard copper busbar, tin-plated, length 2.40m, shorter lengths on request

Dimensions	Current capacity*	Pack size	Weight	Part no.
			kg/100 units	
30 x 10	630A	1	640.8	01 625 06
40 x 10	850A	1	854.4	01 626 06
50 x 10	1000A	1	1068.0	01 627 06
60 x 10	1250A	1	1281.6	01 628 06

for additional cross sections see page 2/2 and 4/5

* see page 8/6

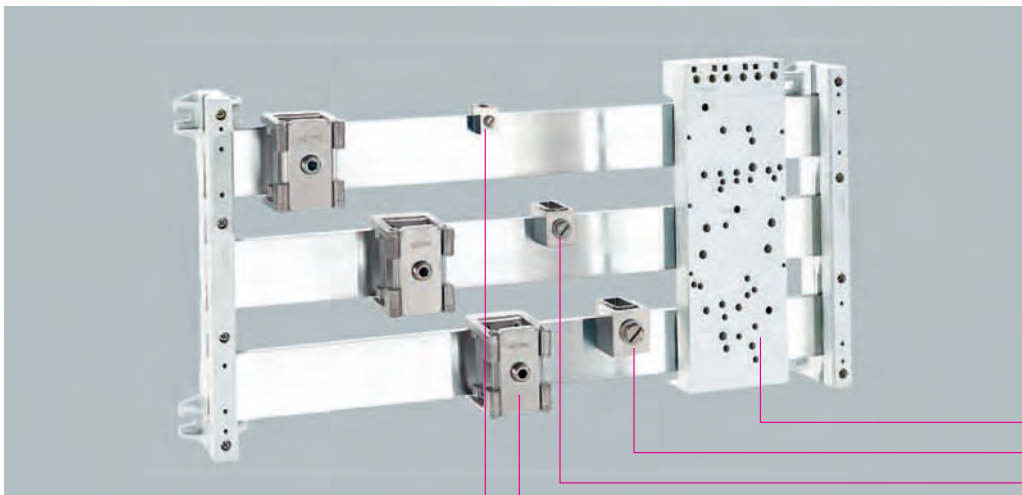
Busbar cover, length 1m

30 x 10	10	10.1	01 245 06
30 – 60 x 10	5	17.6	01 251 06

Busbar connector, to connect flat busbars and flexible Cu

Terminal space	Terminal space	Pack size	Weight	Part no.
W x L	max height		kg/100 units	
40 x 20	20	10	17.8	01 206 07
40 x 32	20	6	27.6	01 616 07
50 x 32	20	6	32.2	01 207 07
63 x 40	20	3	43.4	01 218 07
63 x 50	20	3	51.5	01 617 07

flexible copper busbars see page 7/5 and 7/6.



- 32 001
- 01 047
- 01 514
- 01 034
- 01 512

Universal conductor terminal, for 10mm thick busbars

Connection	Terminal space	For use	Pack size	Weight	Part no.
min. – max.	W x H	up to max.		kg/100 units	
16 – 70mm ² , s(r), f, f + AE	14 x 14	400A	25	7.5	01 292 07
16 – 120mm ² , s(r), f, f + AE	17 x 15	440A	25	10.9	01 203 07

CRITO®Proficlip, brace terminals

For busbars	Connection	For use	Pack size	Weight	Part no.
		up to max.		kg/100 units	
20 x 5 – 30 x 10, double-T and triple-T section	for flat busbars up to 30 x 20	750A	6	30.3	01 319 07
	Cu and Al* 95 – 185mm ² , s(r), s(s), f	500A	6	31.2	01 318 07
	for flat busbars up to 32 x 20	800A	3	34.7	01 759 07
	Cu and Al* 120 – 300mm ² , s(r), s(s), f	600A	3	42.5	01 760 07

* not maintenance-free when aluminium conductors are used (see page 8/2)

Connection terminal

Busbars	Connection	Terminal space	For use	Pack size	Weight	Part no.
min. – max.		W x H	up to max.		kg/100 units	
30 x 10	95 – 300 mm ² , sol(r), sol(s), s(s), f, f + AE	41 x 25	630A	3	85.7	01 094 07
30 x 10	flat busbars, fl. Cu	41 x 25	1250A	3	81.7	01 092 07
40 x 10	flat busbars, fl. Cu	41 x 25	1250A	3	89.3	01 032 07
50 x 10	flat busbars, fl. Cu	41 x 25	1250A	3	98.0	01 033 07
60 x 10	flat busbars, fl. Cu	41 x 25	1250A	3	104.6	01 034 07

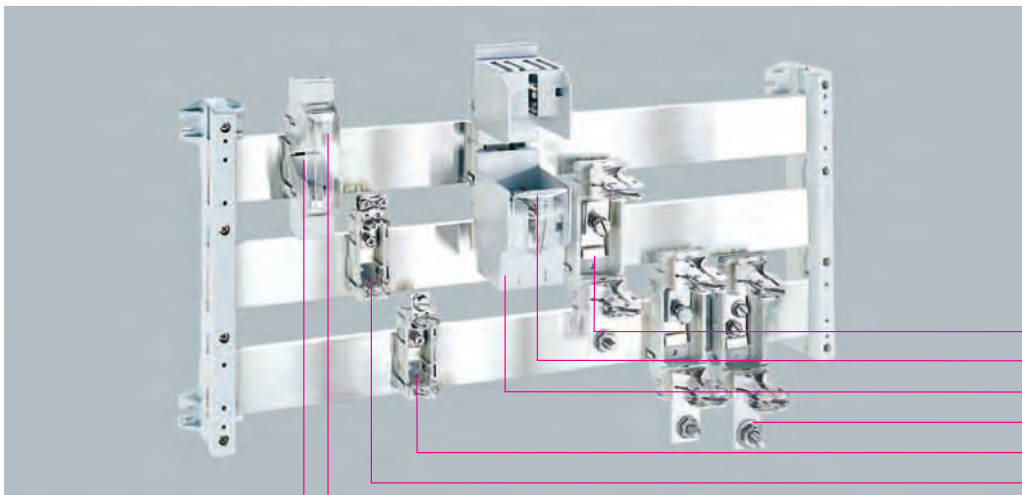
Screw-type terminal, clip-on

Connection	Terminal space	For use	Pack size	Weight	Part no.
	W x H	up to max.		kg/100 units	
for cable lug DIN 46 234	M 5 x 8	360A	25	5.0	01 512 07
	M 8 x 8	490A	20	16.5	01 514 07
	M 10 x 10	630A	6	36.2	01 047 07

Busbar adapter 200A, with clamp-type terminal 70mm²

Type	Adapter length	Adapter width	Pack size	Weight	Part no.
				kg/100 units	
mounting plate: plastic	315	108	1	87.7	32 001 05

Mounting options for DIN rails and various switching devices, hole pattern, see www.woehner.de
<http://www.woehner.de/de/produkte/32001.html> → Downloads: 2D CAD symbol



03 599
79 449
03 793
03 790
03 370
03 369
79 448
03 791

NH bus-mounting fuse base size 00 – 1 – 2

Type	Rated current	Size	Pack size	Weight kg/100 units	Part no.	
clamp 70mm ²	160A	00	10	14.9	03 369	10
screw M8	160A	00	10	14.2	03 370	10
screw M10	250A	1	3	54.0	03 384	10
screw M10	400A	2	3	75.8	03 599	10

1-pole, without shock protection, suitable for direct mounting on busbars

NH bus-mounting fuse base size 00 – 1 – 2 – 3

screw M8	160A	00	10	11.5	03 587	10
screw M10	250A	1	3	46.0	03 601	10
screw M10	400A	2	3	68.5	03 795	10
screw M12	630A	3	3	45.9	03 790	10

1-pole, without shock protection, for screwing onto drilled busbars

Protection cover, for 1-pole NH bus-mounting fuse base

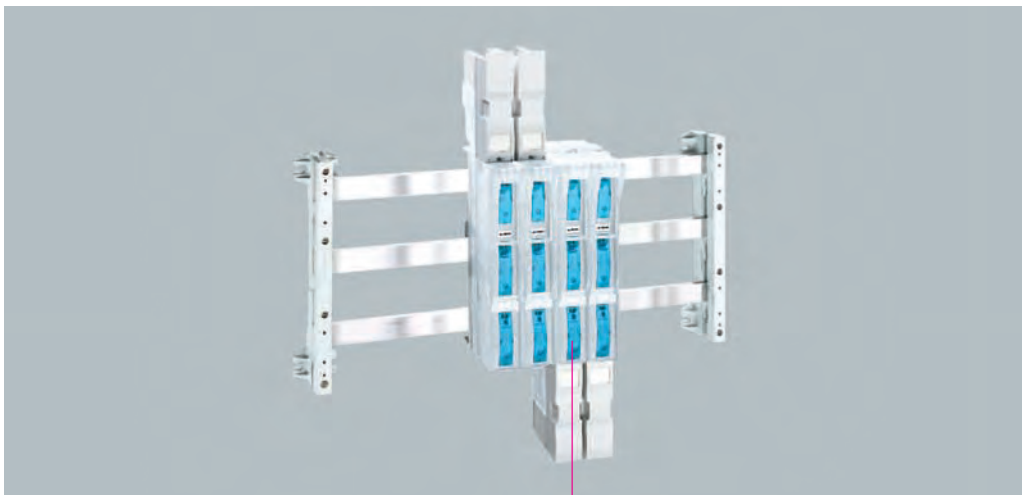
Type	Size	Pack size	Weight kg/100 units	Part no.	
2 sections	00	10	3.5	03 791	10
	1	3	12.6	03 792	10
	2	3	17.1	03 793	10
	3	3	21.0	03 794	10

Grip lug cover, suitable for NH bases with shock protection

1 unit required to cover a fuse	00	30	1.2	79 448	10
2 units required to cover a fuse	1 – 3	30	1.5	79 449	10

NH inline fuse base size 00, 3-pole

Type	Rated current	Size	Pack size	Weight kg/100 units	Part no.	
wedge clamp terminal 70mm ²	160A	00	1	99.5	33 384	12



33 235

SECUR®LeanStreamer size 00, NH in-line fuse switch disconnector, 3-pole switching, bottom/top connection						
Type	Rated current	Size	Pack size	Weight kg/100 units	Part no.	
clamp 70mm ² /screw M8 with terminal compartment cover, directly connectable in the 100mm-system	160A	00	1	137.0	33 235	12
SECUR®LeanStreamer size 00, NH in-line fuse switch disconnector, 3-pole switching, bottom/top connection, with electronic fuse monitoring, 400V AC						
clamp 70mm ² /screw M8 with terminal compartment cover, directly connectable in the 100mm-system, circuit diagram for fuse monitoring on page 9/22	160A	00	1	143.0	33 286	12
Accessories, for SECUR®LeanStreamer 33 235						
terminal clamp for assembly without drilling in the 100mm-system, on 10mm busbars	160A	00	3	3.1	33 238	12
Trim strips						
for 33 235 in the 100mm-system		00	2	5.3	33 036	12
Support bracket						
for fixing the front trims		00-3	4	0.5	33 113	12
Pilot switch, for monitoring lid position						
Type	Size	Pack size	Weight kg/100 units	Part no.		
1 changeover switch 250V AC/5A; 30V DC/4A flat push-on connector 2.8 x 0.5 (DIN 46 244-A)	00-3	1	1.1	33 156		09
Connection accessories						
clamp connector 1.5-70mm ² , for Cu conductors, s(r), f + AE; fl. Cu	00	3	1.5	03 727		09
M8 screw connector	00	3	1.4	30 894		09
wedge clamp terminal 16-70mm ² , for Cu and Al* conductors, s(r), s(s), f + AE	00	3	3.0	33 224		09
* not maintenance-free when aluminium conductors are used (see page 8/2)						



01 617
01 034
01 742

Busbar supports 185 mm, 3 pole

Type	Pack size	Weight	Part no.
for drilled flat busbars	6	kg/100 units 70.3	01 742 06

Standard copper busbar, tinned, length 2.40m, shorter lengths on request

Dimensions	Rated current*	Pack size	Weight	Part no.
W x H			kg/100 units	
50 x 10	1000A	1	1068.0	01 627 06
60 x 10	1250A	1	1281.6	01 628 06
80 x 10	1500A	1	1708.8	01 765 06
100 x 10	1800A	1	2136.0	01 766 06
120 x 10	2100A	1	2563.0	01 767 06

* current capacity see page 8/6, further copper busbars see page 4/1

Busbar connector, to connect flat busbars and flexible Cu

Terminal space	Terminal space	Tightening	Pack size	Weight	Part no.
W x L	max height	torque Nm		kg/100 units	
50 x 32	20	6	6	32.2	01 207 07
63 x 40	20	6	3	43.4	01 218 07
63 x 50	20	6	3	51.5	01 617 07
80 x 40	30	6	3	84.0	01 222 07

Connection terminal

Busbars	Connection	Terminal space	For use	Pack size	Weight	Part no.
		W x H	up to max.		kg/100 units	
30 x 10	flat busbars, fl. Cu	41 x 25	1250A	3	81.7	01 092 07
40 x 10	flat busbars, fl. Cu	41 x 25	1250A	3	89.3	01 032 07
50 x 10	flat busbars, fl. Cu	41 x 25	1250A	3	98.0	01 033 07
60 x 10	flat busbars, fl. Cu	41 x 25	1250A	3	104.6	01 034 07

Screw-type terminal, clip-on, for cable lug DIN 46 234

Type	Connection	For use	Pack size	Weight	Part no.
		up to max.		kg/100 units	
undrilled flat busbars, 10mm thick	M 5 x 8	360A	25	5.0	01 512 07
undrilled flat busbars, 10mm thick and double-T and triple-T section	M 8 x 8	490A	20	16.5	01 514 07
	M 10 x 10	630A	6	36.2	01 047 07

flexible copper busbars see page 7/5 and 7/6



- 33 341
- 01 906
- 01 907
- 01 185
- 01 071
- 01 070
- 01 069
- 01 609
- 01 187
- 01 230

Universal busbar support 185mm, 3 pole

Type	Pack size	Weight	Part no.
for undrilled flat busbars 30, 40, 50 ... 120 x 10 and section busbars	4	kg/100 units 50.0	01 230 06
combined with SECUR®LeanStreamer size 1–3 can be mounted above. Terminal clamps can only be connected on busbars up to 60mm wide.			

End cover, for covering busbars ends, incl. mounting material

for part no. 01 230	2	2.8	33 341 06
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Standard copper busbar, shorter lengths on request

Type	Length	Cross section*	Pack size	Weight	Part no.
		mm ²		kg/100 units	
double-T section busbar, tin-plated	2.40m	500	1	1044.0	01 609 06
	2.40m	720	1	1540.0	01 608 06
triple-T section busbar, tin-plated	2.40m	1140	1	2436.0	01 187 06

* current capacity see page 8/7, further section busbars see page 2/4

CRITO®PowerClip, brace terminal for busbars 30 x 10 and section busbars

Busbars	Terminal space	Applicable	Pack size	Weight	Part no.
	W x H	up to max.		kg/100 units	
30 x 10, double-T and triple-T profile	55 x 28	1600A/2000A*	3	50.0	01 069 07
	68 x 28	1600A/2000A*	3	63.0	01 070 07
	105 x 28	1600A/2800A*	3	84.0	01 071 07

for the connection of flat and flexible copper busbars

* in case of centre feed

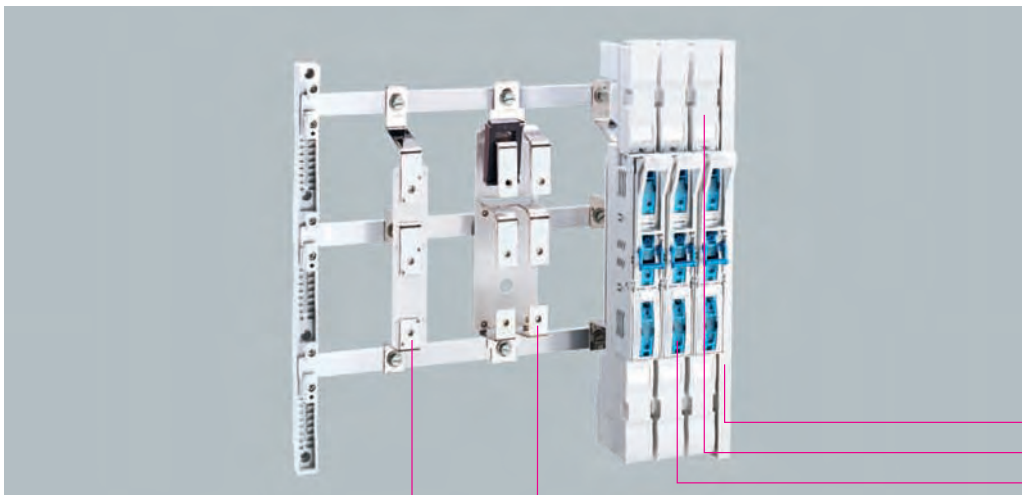
Profile terminal, connection at front and back of busbar section

Connection	Section	Terminal space	For use	Pack size	Weight	Part no.
		W x H	up to max.		kg/100 units	
320 – 800mm ²	double-T	41 x 20 – 42	1600A	3	67.0	01 185 07
500 – 750mm ²	double-T	51 x 5 – 28	1600A	3	70.5	01 906 07
600 – 900mm ²	double-T	64 x 5 – 28	1600A	3	84.0	01 907 07
500 – 1000mm ²	double-T	51 x 20 – 42	1600A / 2000A*	3	73.5	01 936 07
600 – 1200mm ²	double-T	64 x 20 – 42	1600A / 2000A*	3	85.9	01 911 07
800 – 1600mm ²	double-T	81 x 20 – 42	1600A / 2500A*	3	101.1	01 934 07
1000 – 2000mm ²	double-T	101 x 20 – 42	1600A / 2800A*	3	113.7	01 935 07
320 – 800mm ²	triple-T	41 x 23 – 45	1600A	3	105.0	01 513 07
500 – 1260mm ²	triple-T	64 x 23 – 45	2000A / 2500A*	3	124.0	01 008 07
1200 – 3600mm ²	triple-T	101 x 23 – 45	2500A / 3200A*	3	172.7	01 186 07

can also be used on circuit-breaker connection

* for centre feeding

flexible copper busbars see page 7/5 and 7/6



33 257
33 280
33 235
33 237
33 236

SECUR®LeanStreamer size 00, NH in-line fuse switch disconnector, 3-pole switching, bottom/top connection

Type	Rated current	Size	Pack size	Weight kg/100 units	Part no.	
clamp 70mm ² /screw M8	160A	00	1	137.0	33 235	12
with terminal compartment cover, directly connectable in the 185mm-system power 33 236, 33 237 and 33 282						

SECUR®LeanStreamer size 00, NH in-line fuse switch disconnector, 3-pole switching, bottom/top connection, with electronic fuse monitoring, 400V AC

clamp 70mm ² /screw M8	160A	00	1	143.0	33 286	12
with terminal compartment cover, for use in the 185mm-system power with adapter 33 236, 33 237 and 33 282; circuit diagram for fuse monitoring on page 9/22						

Adapter for SECUR®LeanStreamer 33 235

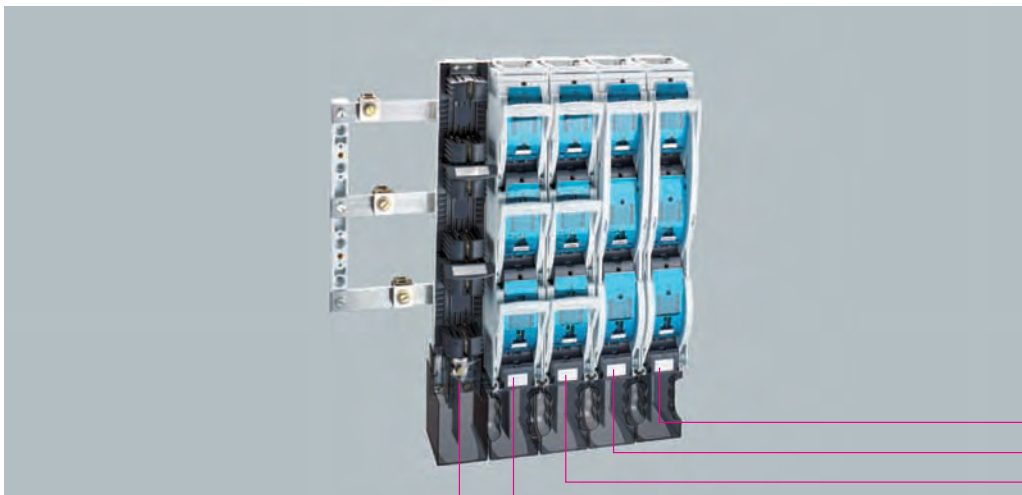
single, screw-on	160A	00	1	52.0	33 236	12
double, screw-on	2 x 160A	00	1	104.0	33 237	12
single, terminal clamp for assembly without drilling*	160A	00	1	62.0	33 282	12
connecting space cover or equalising trim for the extension in the 185mm-system power	160A	00	2	9.0	33 280	12
current transformer fixing clip for adapter; current transformers in chapter 4/9		00	3	0.4	33 300	12
* on 10mm busbars, double-T and triple-T section						

Accessories

Type	Size	Pack size	Weight kg/100 units	Part no.	
pilot switch for monitoring lid position 1 changeover switch 250V AC / 5A; 30V DC / 4A flat push-on connector 2.8 x 0.5 (DIN 46 244-A)	00 - 3	1	1.1	33 156	09
support angle for fixing front trims	00 - 3	4	0.5	33 113	12
trim strips for the 185mm-system power trims for outer units can be screwed on from side	00 - 3	2	10.7	33 257	12

Connection accessories

clamp connector 1.5 - 70mm ² , for Cu conductors, s(r), f + AE; fl. Cu	00	3	1.5	03 727	09
M8 screw connector	00	3	1.4	30 894	09
wedge clamp terminal 16 - 70mm ² , for Cu and Al* conductors, s(r), s(s), f + AE	00	3	3.0	33 224	09
* not maintenance-free when aluminium conductors are used (see page 8/2)					



- 33 097
- 33 099
- 33 093
- 33 095
- 33 087

SECUR®LeanStreamer size 1 – 2 – 3, NH in-line fuse switch disconnecter, 3-pole switching, bottom/top connection						
Type	Rated current	Size	Pack size	Weight kg/100 units	Part no.	
screw M10	250A	1	1	520.0	33 097	12
screw M10	400A	2	1	630.0	33 098	12
screw M12	630A	3	1	700.0	33 099	12
V-direct connection	250A	1	1	560.0	33 243	12
V-direct connection	400A	2	1	670.0	33 244	12
V-direct connection	630A	3	1	750.0	33 245	12
SECUR®LeanStreamer size 1 – 2 – 3, NH in-line fuse switch disconnecter, 1-pole switching, bottom/top connection						
screw M10	250A	1	1	520.0	33 093	12
screw M10	400A	2	1	630.0	33 094	12
screw M12	630A	3	1	700.0	33 095	12
SECUR®LeanStreamer size 1 – 2 – 3, in-line fuse switch disconnecter, 3-pole switching, bottom/top connection, with electronic fuse monitoring, 400V AC						
screw M10	250A	1	1	520.0	33 287	12
screw M10	400A	2	1	630.0	33 288	12
screw M12	630A	3	1	700.0	33 289	12
circuit diagram for fuse monitoring on page 10/18						
SECUR®LeanStreamer size 1 – 2 – 3, NH fuse block, open type, bottom/top connection						
screw M10	250A	1	1	430.0	33 087	12
screw M10	400A	2	1	450.0	33 088	12
screw M12	630A	3	1	535.0	33 089	12
SECUR®LeanStreamer 1250A, 2x size 3 double-NH fuse switch disconnecter, 3-pole switching, bottom/top connection						
Type	Rated current	Size mm ²	Pack size	Weight kg/100 units	Part no.	
4 x screw M12	1250A	2 x 3	1	1400.0	33 321	12



33 301	33 267	33 269	33 273
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Accessories

for SECUR® LeanStreamer

Trim strips

Type	Size	Pack size kg/100 units	Weight	Part no.	
for open and switch fuse units	1 – 3	2	10.7	33 257	12
trims for outer units can be screwed on from side					

Terminal clamp, for assembly without drilling in the 185mm system, on 10mm busbars, double-T and triple-T section

for bottom connection	1 – 3	3	21.7	33 301	12
for top connection	1 – 3	3	21.7	33 101	12

Pilot switch, for monitoring lid position

1 changeover switch 250V AC / 5A; 30V DC / 4A	00 – 3	1	1.1	33 156	09
flat push-on connector 2.8 x 0.5 (DIN 46 244-A)					

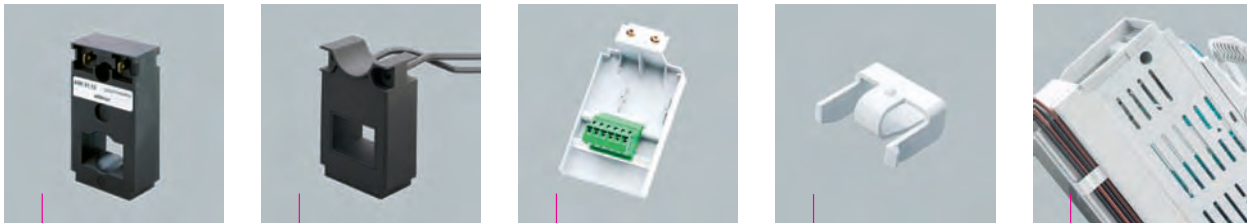
Support bracket

for fixing the front trims	00 – 3	4	0.5	33 113	12
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Connection accessories

Type	Size	Connection mm ²	Pack size	Weight kg/100 units	Part no.	
clamp connector for Cu conductors, s(r), f + AE; fl. Cu	1 – 3	120 – 140 / 21 x 1 – 12	1	10.6	33 164	09
wedge clamp terminal, single, for Cu and Al* conductors, s(r), s(s), f, f + AE; fl. Cu	1 – 3	120 – 240 / 21 x 10 – 21	1	19.9	33 167	09
wedge clamp terminal, double, for Cu conductors, s(r), s(s), f, f + AE (600A)	1 – 3	2 x 120 – 185	3	28.7	33 372	12
direct connection terminal for Cu and Al* conductors	1 – 2	35 – 70 rm 35 – 150 sm 35 – 185 se	3	8.3	33 267	12
	3	35 – 70 rm 35 – 150 sm 35 – 185 se	3	10.1	33 268	12
	1 – 2	2 x 35 – 70 rm 2 x 35 – 150 sm 2 x 35 – 185 se	3	9.6	33 269	12
D-direct connection terminal for two copper and aluminium conductors	3	2 x 35 – 70 rm 2 x 35 – 150 sm 2 x 35 – 185 se	3	11.3	33 270	12
	1 – 2	50 – 185 rm 70 – 240 sm 95 – 300 se	3	14.5	33 273	12
V-direct connection for Cu and Al* conductors	3	120 – 300 rm 120 – 240 sm 150 – 300 se	3	25.5	33 274	12
	1 – 2		1	13.2	33 271	12
connection extension for 2 cable lugs	3		1	15.5	33 272	12

* not maintenance-free when aluminium conductors are used (see page 8/2)



Accessories							
for SECUR® LeanStreamer							
Current transformer , precision class 1, rated secondary current 5A, flat push-on connector 6.3 x 0.8 (DIN 46 244-A)							
Type	Rated current	Size	Rated apparent power VA	Pack size	Weight kg/100 units		Part no.
for direct mounting in the SECUR®LeanStreamer*; for size 00 using an adapter requires a fixing clip	150A	00 – 3	3	3	14.0		33 126 12
	200A	00 – 3	3	3	14.3		33 127 12
	250A	00 – 3	4	3	14.4		33 128 12
	300A	00 – 3	5	3	14.3		33 173 12
	400A	00 – 3	5	3	14.7		33 174 12
	500A	00 – 3	5	3	15.0		33 179 12
	600A	00 – 3	5	3	15.3		33 180 12
current transformer fixing clip Application in 185mm-system power with adapter 33 236, 33 237 and 33 282		00		3	0.4		33 300 12
* The transformer cannot be combined in conjunction with the terminal clamp with the following busbars: terminal clamp 33 301 and 33 101 with 100mm and 120mm busbars.							
Current transformer, suitable for calibration , precision class 0.5, rated secondary current 5A, conductor cross section 2.5mm ² , conductor length 1.5m							
for direct mounting in the SECUR®LeanStreamer*; for size 00 using an adapter requires a fixing clip	200A	00 – 3	1.5**	3	28.0		33 292 12
	250A	00 – 3	2.5**	3	28.0		33 294 12
	300A	00 – 3	2.5**	3	28.0		33 296 12
	400A	00 – 3	2.5**	3	28.0		33 298 12
current transformer fixing clip Application in 185mm-system power with adapter 33 236, 33 237 and 33 282		00		3	0.4		33 300 12
* The transformer cannot be combined in conjunction with the terminal clamp with the following busbars: terminal clamp 33 301 with 120mm busbars and 33 101 with 80mm, 100mm and 120mm busbars.							
** Rat. apparent power at the conductor end: calibrated transformer available on request (nat. laws must be taken into account)							
Fixing clip , for conductors							
Type		Size		Pack size	Weight kg/100 units		Part no.
for connecting on the back side, 6 pieces per SECUR® LeanStreamer		1 – 3		12	0.9		33 373 12
Component support							
with mounting rail		1 – 3		1	15.0		33 375 12
with mounting rail and 6-pole plug-in connector		1 – 3		1	21.0		33 323 12
Mounting rail							
for component supports for mounting on an additional plug-in connector		1 – 3		10	2.0		30 930 05
Plug-in connector							
6-pole terminal strips with plug component		00 – 3		1	5.9		33 322 12
Connection space cover							
for component supports		1 – 3		1	23.0		33 281 12

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