

185mm-System power 2500A

Expertise





System advantages

The 185mm-System power is designed for use in efficient power distribution assemblies with a high short-circuit withstand capacity. The narrow design of the NH in-line fuse switch disconnectors, typical for these systems, enables the best possible use of the limited space in the control cabinet. Thanks to the large centre distance of the 185mm-System power, a short-circuit withstand capacity of at least 100kA can be achieved. Fast connection means that all components of the 185mm-System power can also be fitted in a few simple steps. Time-consuming drilling of busbars can be a thing of the past.

Connection technology

Wöhner offers universal conductor terminals, CRITO®ProfClip and profile terminals for connecting conductors in busbar systems without drilling. Push-on screw connectors enable conductors to be connected to undrilled busbars using cable lugs. Busbar connectors up to 80 x 40mm connect flat conductors or laminated copper busbars to the busbar system.

FIBUS®

The screw-on universal conductor terminal for drilled busbars from 30 x 5mm to 120 x 10mm. This terminal is suitable for attaching copper and aluminium conductors, and offers a clamping range from 16 to 240mm².

SECUR®LeanStreamer

SECUR®LeanStreamer NH in-line fuse switch disconnectors in sizes 00 to 3 are installed in the 185mm-System power in just a few easy steps. Thanks to new technology, SECUR®Lean-Streamers can be mounted without drilling. Current transformers are fully integrated in the basic body of NH in-line fuse switch disconnectors sizes 1 to 3. The transformer can be subsequently installed in SECUR®LeanStreamers sizes 1 to 3 at any time. As an option, the transformer can be wired via the terminals of a component support. Size 00 SECUR®LeanStreamers can be fitted in the 185mm-System power using single or double adapters. Now, the current transformer can also be used with the size 00 NH in-line fuse switch disconnectors in the 185mm-System power. The transformer can be installed in the single or double adapter at any time. A version with electronic fuse monitoring is available for monitoring fuses. As well as 1-pole and 3-pole switching NH in-line fuse switch disconnectors, SECUR®LeanStreamers are also offered in the form of open strips. The extensive range of connection accessories permits the connection of circular and sector-shaped conductors.



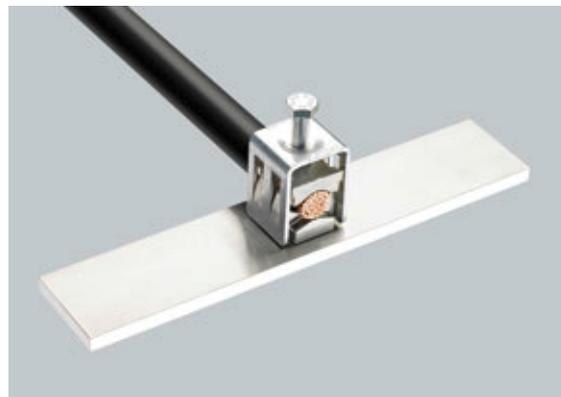
SECUR®LeanStreamer

Double NH in-line fuse base

1250A, 2 x NH size 3

Choice of outgoing connection at top or bottom

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



FIBUS®

Universal conductor terminal

Drilled busbars 30 x 5mm to 120 x 10mm

Aluminium and copper conductors

Clamping range: 16 - 240mm²



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 transformers can be easily added to the standard unit

No additional space requirements, simply pivot into place



Transformer available in various measurement ranges and precision classes



01 617

01 429

01 742

Busbar supports 185mm, 3-pole

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

Busbar E-Cu, tin-plated, length 2.40m

Type	Cross section	Pack size	Weight	Part no.
W x H			kg/100 u.	
30 x 10	300	1	643.2	01 625 06
40 x 10	400	1	856.8	01 626 06
50 x 10	500	1	1072.8	01 627 06
60 x 10	600	1	1294.0	01 628 06
80 x 10	800	1	1728.0	01 765 06
100 x 10	1000	1	2174.0	01 766 06
120 x 10	1200	1	2572.8	01 767 06

Shorter lengths on request; for busbar cover see page 3/9

Busbar connector, to connect flat busbars and Ia. Cu

Terminal space	Terminal space	Pack size	Weight	Part no.
W x L	max. height		kg/100 u.	
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
80 x 40	30	3	84.0	01 222 07

Terminal

For busbars	Connection	Terminal space	For use	Pack size	Weight	Part no.
		W x H	up to max.		kg/100 u.	
30 x 10	for flat busbars up to 40 x 25	41 x 25	1250A	3	81.7	01 092 07

Push-on screw connector, for cable lugs DIN 46 234

Type	Connection	For use	Pack size	Weight	Part no.
		up to max.		kg/100 u.	
for undrilled flat busbars, 10mm thick	M5 x 8	360A	25	5.0	01 512 07
for undrilled flat busbars, 10mm thick and double-T and triple-T section	M8 x 8	490A	20	16.5	01 514 07
	M10 x 10	630A	6	36.2	01 047 07

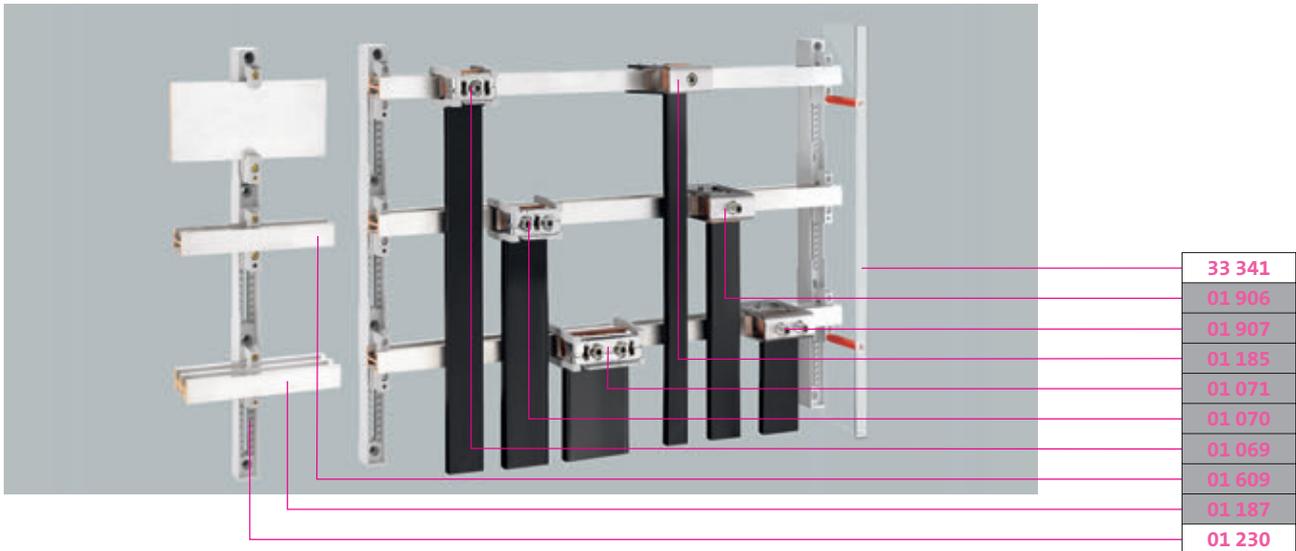
FIBUS®, universal conductor terminal for drilled flat busbars

Type	For use	Pack size	Weight	Part no.
	up to max.		kg/100 u.	
6 - 240mm ² , Cu and Al; re, rm, se and sm	630A	3	44.0	01 429 07

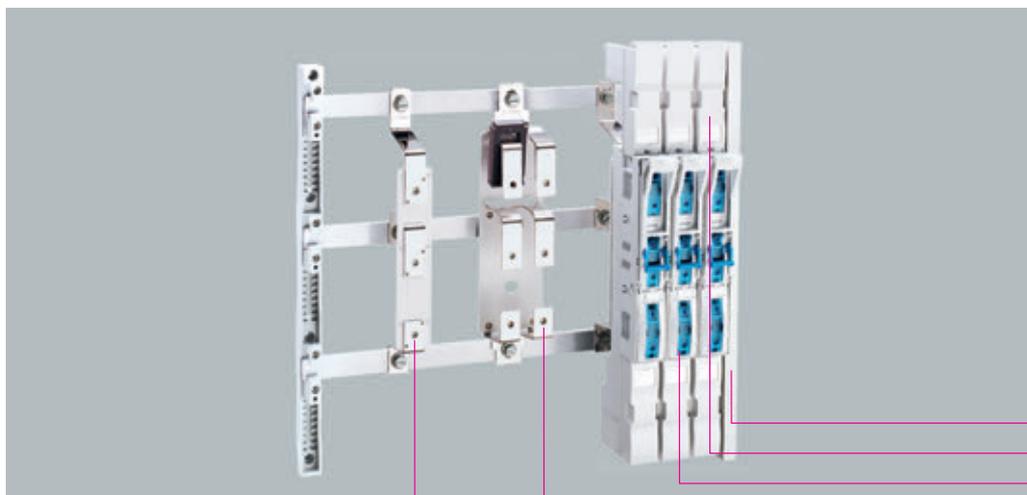
current capacity of the terminal point with aluminium conductor 350A

wöhner

Designation for UL			
Approvals	8 57 - 66	Technical data	8 6,7,11 →
		Dimensions	9 11,27-30 →



Universal busbar supports 185mm, 3-pole									
Type	Pack size	Weight			Part no.				
		kg/100 u.							
for undrilled flat busbars 30 - 120 x 10 and double-T and triple-T section busbars combined with SECUR®LeanStreamer size 1-3 mountable above. Exception: with terminal clamps at bottom, can only be connected on busbars up to maximum 60mm wide.	4	50.0			01 230	06			
End cover, for covering busbar ends, incl. mounting material									
for 01 230	2	2.8			33 341	06			
E-CU busbar									
Type	Length	Cross section	Pack size	Weight			Part no.		
				kg/100 u.					
double-T busbar section, tin-plated	2400	500	1	1062.0			01 609 06		
	2400	720	1	1554.0			01 608 06		
triple-T busbar section, tin-plated	2400	1140	1	2462.4			01 187 06		
Shorter lengths on request; for current carrying capacity see page 8/8; for further section busbars see page 2/4									
CRITO®PowerClip, brace terminals for the connection of flat busbars and laminated copper									
For busbars	Terminal space	Side	Centre	Pack size	Weight			Part no.	
	W x H	supply	supply		kg/100 u.				
30 x 10 and double-T and triple-T section	55 x 10 - 28	1600A	2000A	3	50.0			01 069 07	
	68 x 10 - 28	1600A	2000A	3	63.0			01 070 07	
	105 x 10 - 28	1600A	2800A	3	84.0			01 071 07	
Profile terminal, connection at front and back of busbar section									
Connection	Section	Terminal space	Side	Centre	Pack size	Weight			Part no.
		W x H	supply	supply		kg/100 u.			
320 - 800mm ²	double-T	41 x 20 - 42	1600A	1600A	3	67.0			01 185 07
500 - 750mm ²	double-T	51 x 5 - 28	1600A	1600A	3	70.5			01 906 07
600 - 900mm ²	double-T	64 x 5 - 28	1600A	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	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
for the connection of flat busbars and laminated copper busbars									



33 257
33 280
33 235
33 237
33 236

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

Type	Rated current	Size	Pack size	Weight kg/100 u.	Part no.	
screw M8 / clamp 70mm ²	160A	NH00	1	137.0	33 235	12
with terminal space cover, for use in the 185mm-System power with adapters 33 236, 33 237 and 33 282						

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

Type	Size	Pack size	Weight kg/100 u.	Part no.	
screw M8 / clamp 70mm ² , with electron. fuse monitoring	NH00	1	143.0	33 286	12
with terminal space cover, for use in the 185mm-System power with adapter 33 236, 33 237 and 33 282; circuit diagram for fuse monitoring on page 9/25					

Adapter for SECUR®LeanStreamer 33 235

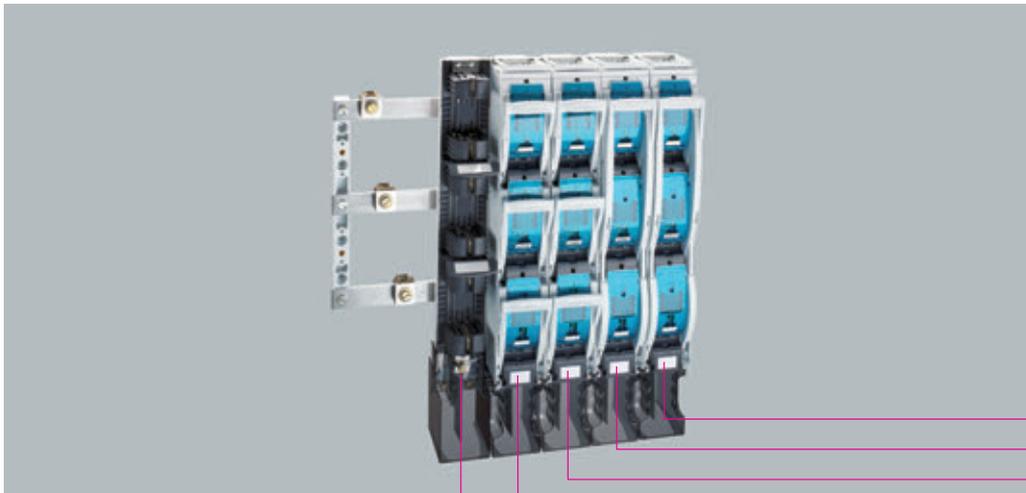
single, screw-on	00	1	52.0	33 236	12
double, screw-on	00	1	104.0	33 237	12
single, terminal clamp for assembly without drilling	*	00	62.0	33 282	12
terminal space cover or equalising trim for the extension in the 185mm-System power	00	2	9.0	33 280	12
Fastening clip for current transformer, for use in the 185mm-System power with adapters 33 236, 33 237 and 33 282	00	3	0.4	33 300	12
* on 10mm busbars, double-T and triple-T section					

Accessories

pilot switch for monitoring lid position	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 trim strips for outer units can be screwed on from side	00-3	2	10.7	33 257	12

Connection accessories

clamp connection 1.5 - 70mm ² for Cu cond., rm, f +AE; la. Cu	00	3	1.5	03 727	09
screw connection M8	00	3	1.4	30 894	09
wedge clamp terminal for screw connection M8, Cu and Al cond. 16-70mm ² rm, sm, f, f +AE	*	00	3.0	33 224	09
* not maintenance-free if 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 u.		Part no.
screw M10	250A	NH1	1	600.0		33 097 12
screw M10	400A	NH2	1	600.0		33 098 12
screw M12	630A	NH3	1	700.0		33 099 12
V-direct connection	250A	NH1	1	650.0		33 243 12
V-direct connection	400A	NH2	1	650.0		33 244 12
V-direct connection	630A	NH3	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	NH1	1	600.0		33 093 12
screw M10	400A	NH2	1	600.0		33 094 12
screw M12	630A	NH3	1	700.0		33 095 12
SECUR®LeanStreamer size 1 - 2 - 3, NH in-line fuse switch disconnecter, 3-pole switching, bottom/top connection, with electronic fuse monitoring, 400V AC						
screw M10	250A	NH1	1	650.0		33 287 12
screw M10	400A	NH2	1	650.0		33 288 12
screw M12	630A	NH3	1	750.0		33 289 12
Circuit diagram for fuse monitoring on page 9/25						
SECUR®LeanStreamer size 1 - 2 - 3, NH fuse block, open version, bottom/top connection						
screw M10	250A	NH1	1	430.0		33 087 12
screw M10	400A	NH2	1	450.0		33 088 12
screw M12	630A	NH3	1	535.0		33 089 12
SECUR®LeanStreamer 1250A, 2x size 3 double-NH fuse switch disconnecter, 3-pole switching, bottom/top connection						
4 x screw M12	1250A		1	1400.0		33 321 12

Terminal space cover included in delivery.



33 301		33 267		33 269		33 273	
--------	--	--------	--	--------	--	--------	--

Accessories

for SECUR®LeanStreamer

Trim strips

Type	Size	Pack size	Weight kg/100 u.	Part no.	
for open and switch strips trims for outer units can be screwed on from side	00-3	2	10.7	33 257	12

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

Pilot switch, 1 reversing 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
--	------	---	-----	--------	----

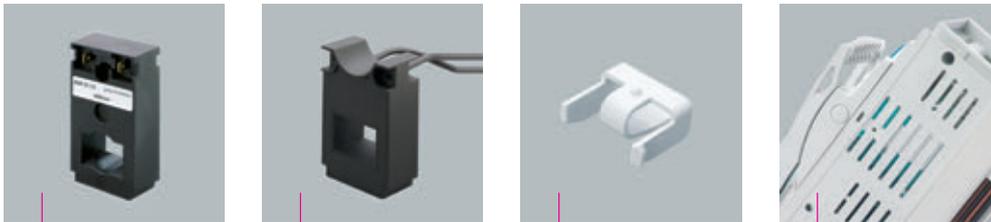
Support bracket

for fixing the front trims	00-3	4	0.5	33 113	12
----------------------------	------	---	-----	--------	----

Connection accessories

Type	Size	Connection	Pack size	Weight kg/100 u.	Part no.	
clamp connection for Cu conductor rm, f + AE, la. Cu	2	120 - 240 / 21 x 1 - 14	1	10.6	33 164	09
wedge clamp terminal, single, for Cu/Al cond., rm, sm, f, f +AE	1-3	50 - 240	1	19.9	33 167	09
wedge terminal, double, for Cu conductors, rm, sm, f +AE (600A)	3	2 x 120 - 185	3	28.7	33 372	12
direct connection terminal for Cu and Al conductors	1-2	35 - 150 sm 50 - 185 se 35 - 70 rm 50 re	3	8.3	33 267	12
	3	35 - 150 sm 50 - 185 se 35 - 70 rm 50 re	3	10.1	33 268	12
D-direct connection terminal for two Cu and Al conductors	1-2	2 x 35 - 150 sm 2 x 50 - 185 se 2 x 35 - 70 rm 2 x 35 - 50 re	3	9.6	33 269	12
	3	2 x 35 - 150 sm 2 x 50 - 185 se 2 x 35 - 70 rm 2 x 35 - 50 re	3	11.3	33 270	12
V-direct connection for Cu and Al conductors	1-2	50 - 185 rm 70 - 240 sm 95 - 300 se	3	14.5	33 273	12
	3	120 - 300 rm 120 - 240 sm 150 - 300 se	3	25.5	33 274	12
connection expansion for 2 cable lugs	1-2		1	13.2	33 271	12
	3		1	15.5	33 272	12

33167, 33273 and 33274: Not maintenance-free if aluminium conductors are used (see page 8/2)



33 126	33 292	33 300	33 373
---------------	---------------	---------------	---------------

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 u.	Part no.	
for direct mounting in the SECUR®LeanStreamer; for size 00 using an adapter requires a fixing clip	150A	00-3	3.0	3	14.0	33 126	12
	200A	00-3	3.0	3	14.3	33 127	12
	250A	00-3	4.0	3	14.4	33 128	12
	300A	00-3	5.0	3	14.3	33 173	12
	400A	00-3	5.0	3	14.7	33 174	12
	500A	00-3	5.0	3	15.0	33 179	12
	600A	00-3	5.0	3	15.3	33 180	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 2.5mm², 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

the transformer cannot be combined in conjunction with the terminal clamp with the following busbars: terminal clamp 33 301 with 120mm and 33 101 with 80 mm, 100mm and 120mm busbars. rat. apparent power at the conductor end.

Current transformer, calibrated, precision class 0.5, rated secondary current 5A, conductor cross section 2.5mm², 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	33 293	12
	250A	00-3	2.5	3	28.0	33 295	12
	300A	00-3	2.5	3	28.0	33 297	12
	400A	00-3	2.5	3	28.0	33 299	12

The transformer cannot be installed with a terminal clamp for the following busbars: Terminal clamp 33 301 with 120mm busbar and 33 101 with 80, 100 and 120mm busbars. Rated apparent power at conductor end. Calibrated transformer, national laws must be observed

Fixing clip, for current transformers

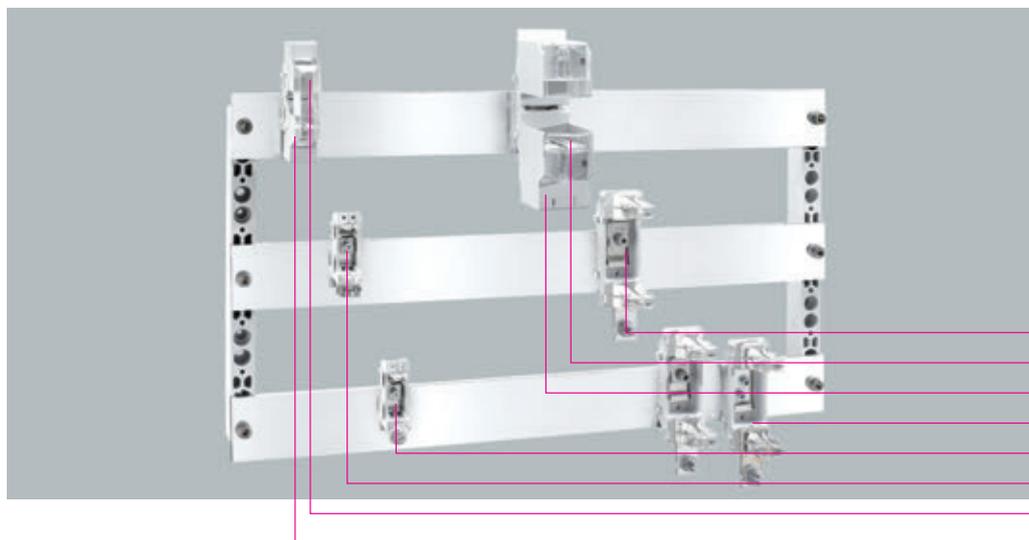
Type	Size	Pack size	Weight kg/100 u.	Part no.	
Fastening clip for current transformer, for use in the 185mm-System power with adapters 33 236, 33 237 and 33 282	3	00	0.4	33 300	12

Fixing clip, for conductors

for connecting on the back side, 6 pieces per SECUR®LeanStreamer	12	1-3	0.9	33 373	12
--	----	-----	-----	---------------	----

Terminal space cover

for SECUR®LeanStreamer	1-3	1	23.0	33 281	12
------------------------	-----	---	------	---------------	----



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 u.	Part no.	
clamp 70mm ²	160A	NH00	10	14.9	03 369	10
screw M8	160A	NH00	10	14.2	03 370	10
screw M10	250A	NH1	3	54.0	03 384	10
screw M10	400A	NH2	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	NH00	10	11.5	03 587	10
screw M10	250A	NH1	3	46.0	03 601	10
screw M10	400A	NH2	3	68.5	03 795	10
screw M12	630A	NH3	3	45.9	03 790	10

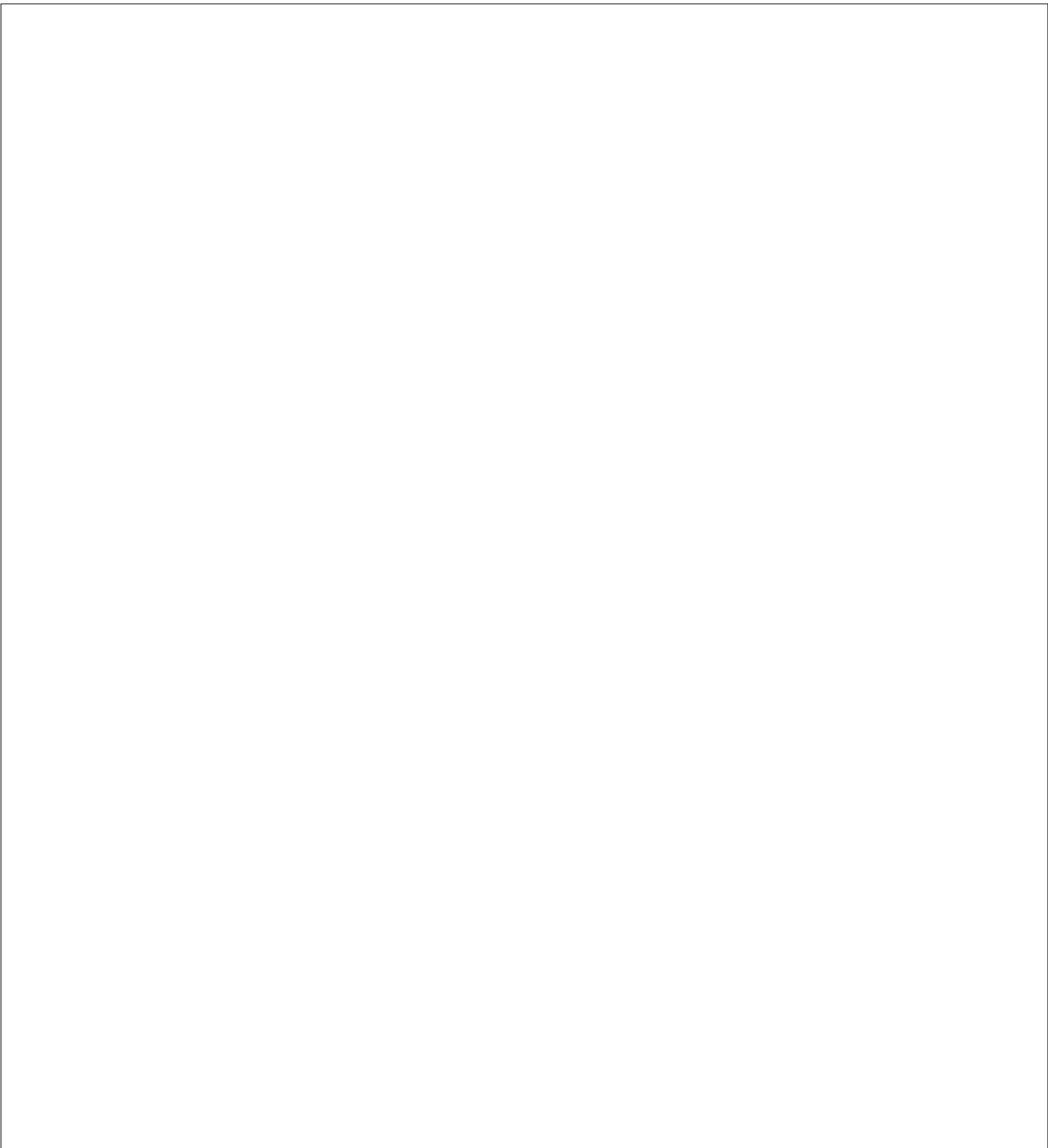
1-pole, without shock protection, for screwing onto drilled busbars

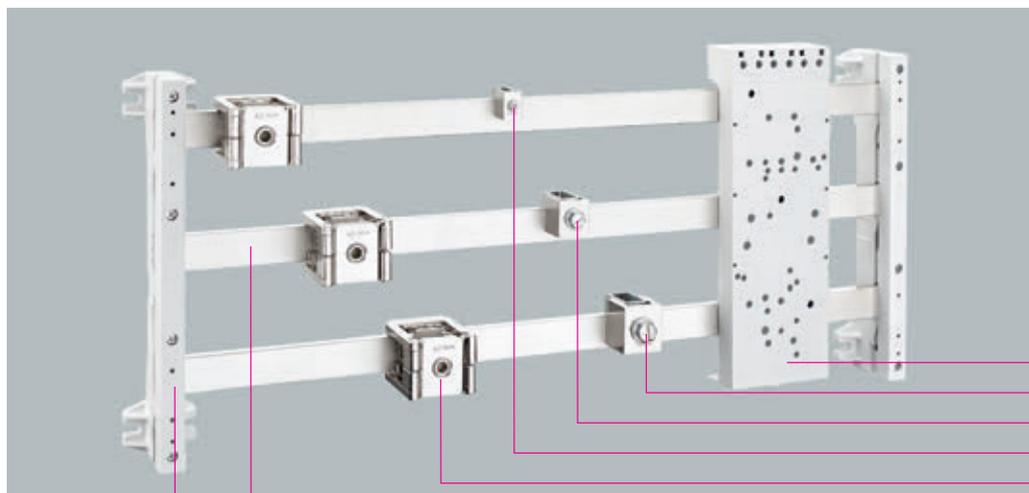
Shock protection, for 1-pole NH bus-mounting fuse bases

Type	Size	Pack size	Weight kg/100 u.	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

grip lug cover, 1 unit required for each fuse	00	30	1.2	79 448	10
2 units required to cover a fuse	1-3	30	1.5	79 449	10





32 001
01 047
01 514
01 512
01 092
01 625
01 479

Universal busbar support, 100mm-System, 3-pole

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

End cover

End cover for 01 479	10	5.3	01 254 06
----------------------	----	-----	-----------

Busbar E-Cu, tin-plated, length 2.4m, shorter lengths on request

Dimensions	Cross section	Pack size	Weight	Part no.
			kg/100 u.	
2400 x 30 x 10	300	1	643.2	01 625 06
2400 x 40 x 10	400	1	856.8	01 626 06
2400 x 50 x 10	500	1	1072.8	01 627 06
2400 x 60 x 10	600	1	1294.0	01 628 06
further cross sections see page 2/2 and 2/4				

Busbar cover, length 1m

Type	Pack size	Weight	Part no.
		kg/100 u.	
for 12 - 30 x 10 busbar	10	10.1	01 245 06
40 - 60 x 10	5	17.6	01 251 06

Terminal

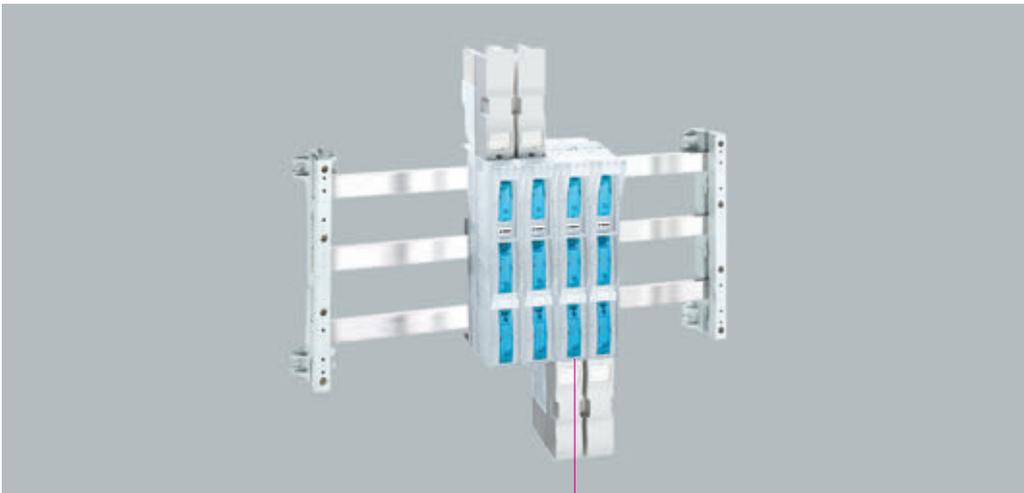
For busbars	Connection	For use	Pack size	Weight	Part no.
	min. - max.	up to max.		kg/100 u.	
30 x 10	95 - 300 mm ²	630A	3	85.7	01 094 07
30 x 10	40 x 20	1250A	3	81.7	01 092 07

Push-on screw connector, for cable lugs DIN 46 234

Connection	Terminal space	For use	Pack size	Weight	Part no.
	W x H	up to max.		kg/100 u.	
for undrilled flat busbars, 10mm thick	M5 x 8	360A	25	5.0	01 512 07
for undrilled flat busbars, 10mm thick and double-T and triple-T section	M8 x 8	490A	20	16.5	01 514 07
	M10 x 10	630A	6	36.2	01 047 07

Busbar adapter 200A, for 100mm-System, with clamp connection 70mm²

Type	Adapter	Adapter	Pack size	Weight	Part no.
	length	width		kg/100 u.	
mounting plate: plastic	315	108	1	87.7	32 001 05
For mounting options for DIN rails and various switching devices and product descriptions, see www.woehner.com					



33 235

SECUR®LeanStreamer size 00, NH in-line fuse switch disconnecter, 3-pole switching, bottom/top connection						
Type	Rated current	Size	Pack size	Weight		Part no.
				kg/100 u.		
clamp 70mm ² / screw M8	160A	NH00	1	137.0		33 235 12
with terminal space cover, directly connectable in the 100mm-System						
SECUR®LeanStreamer size 00, NH in-line fuse switch disconnecter, 3-pole switching, bottom/top connection, with electronic fuse monitoring, 400V AC						
clamp 70mm ² / screw M8	160A	NH00	1	143.0		33 286 12
with terminal space cover, directly connectable in the 100mm-System, circuit diagram for fuse monitoring on page 9/25						
NH in-line fuse base size 00, 3-pole						
wedge clamp terminal 70mm ²	160A	NH00	1	99.5		33 384 12
Accessories, for SECUR®LeanStreamer						
Type		Size	Pack size	Weight		Part no.
				kg/100 u.		
terminal clamp 160A for assembly without drilling in the 100mm-System, on 10mm busbars			3	3.1		33 238 12
pilot switch for monitoring lid position		00-3	1	1.1		33 156 09
support angle for fixing front trims		00-3	4	0.5		33 113 12
for 33 235 in the 100mm-System		00	2	5.3		33 036 12
Connection accessories						
clamp connection 1.5 - 70mm ² for Cu cond., rm, f +AE; la. Cu		00	3	1.5		03 727 09
screw connection M8		00	3	1.4		30 894 09
wedge clamp terminal for screw connection M8, Cu and Al cond. 16-70mm ² rm, sm, f, f +AE	*	00	3	3.0		33 224 09
* not maintenance-free if aluminium conductors are used (see page 8/2)						