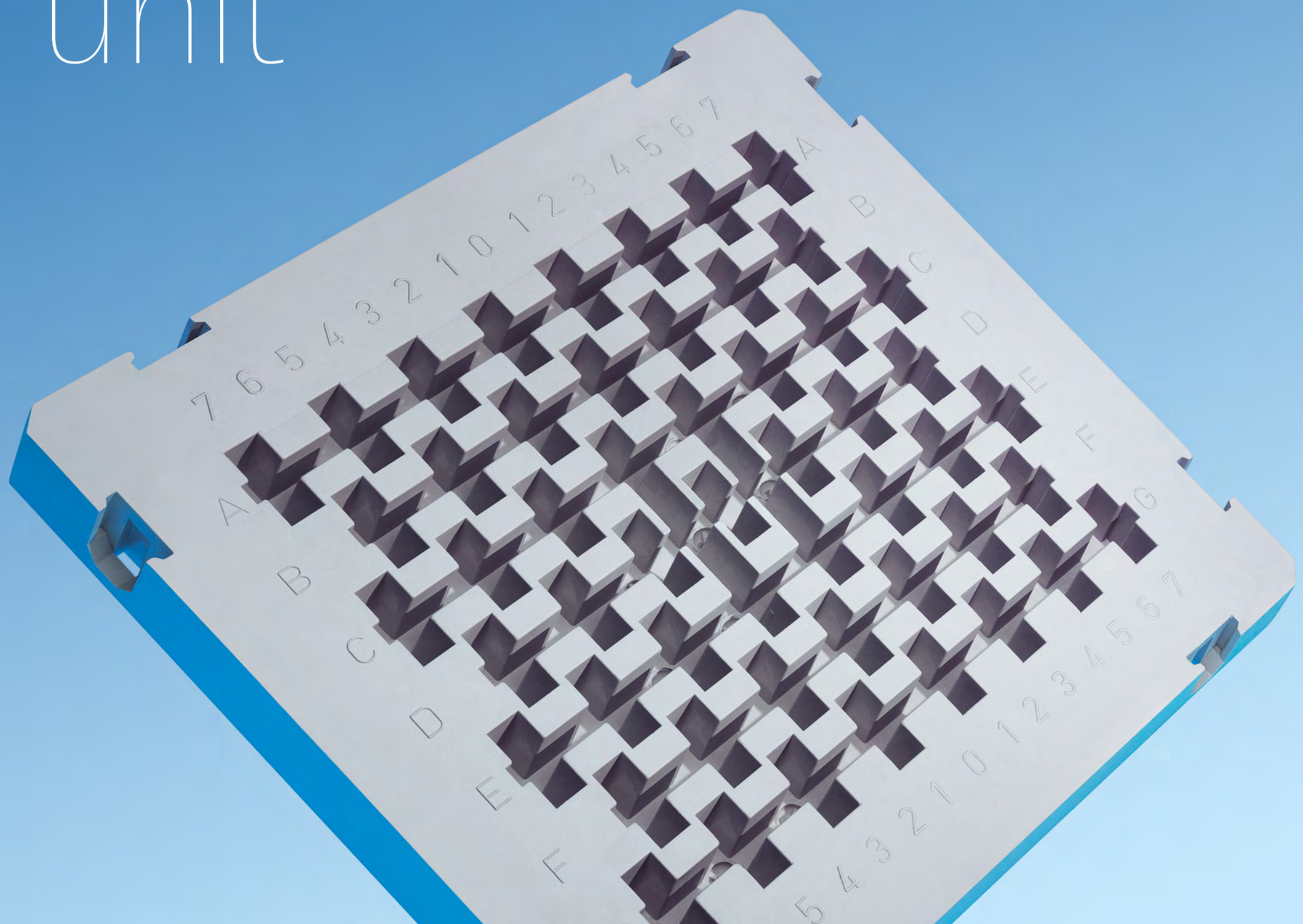
Centre feed unit



FEEDING SYSTEM

Centre feed unit

Feeding system with high variability and connection convenience

Centre feed unit up to 4000 A combines the advantages of high short-circuit capacity, drill-less mounting, brace terminal technology and a clearly structured design. The fuseless equipment practice of this feeding system puts high requirements on the short-circuit capacity. The busbar supports have been designed specifically for this purpose. This also concerns the large number of connection options for copper and aluminium conductors – whether for round conductors or laminated and solid flat conductor connections. Industrial production and type tests ensure compliance with the required safety standards. The current rating and short-circuit capacity up to 120 kA determined via the type test meet the demanding requirements for this feeding system.

Double-T, triple-T and TCC section busbars

These well-established section busbars provide safe transmission of currents up to 4000 A. Double-T and triple-T section busbars can be connected on both sides. Versions:
– double-T section busbar
– triple-T section busbar
– TCC section busbar

CRITO® connection technology

These solutions provide for convenient connection of round conductors, flat conductors and cable lugs. Currents up to 3200 A can be brought to the busbar by the individual components.
– brace terminal technology
– round sector and flat conductor
– UL listed

Busbar supports multi-pole

The busbar supports are suitable for 3- or 4-pole systems. Busbars from 300 to 1140 mm² can be used.
– variable configurations
– double-T and triple-T sections busbars can be used

Busbar support 1-pole

The 1-pole lateral busbar support can also accommodate the TCC section busbars. Busbars from 500 to 1600 mm² can also be used.
– variable configurations
– double-T, triple-T and TCC section busbars can be used

Centre feed units

with double-T and triple-T section busbar

Centre feed unit

Cabinet width	Mounting dimensions	Busbar length	Crosssection mm²	Pack size	Weight kg/100 u.	PG		Part No.
for cabinet width 600 mm	488 - 563	453	500	1	1434.0	11		35007
for cabinet width 800 mm	688 - 763	653		1	1716.0	11		35006
for cabinet width 600 mm	488 - 563	453	720	1	1716.0	11		35005
for cabinet width 800 mm	688 - 763	653		1	2488.0	11		35004
for cabinet width 600 mm	488 - 563	453	1140	1	2200.0	11		35015
for cabinet width 800 mm	688 - 763	653		1	2940.0	11		35016

Universal conductor connection terminal 16 mm² to 300 mm²

For busbar	Connection min. – max.	Terminal space W x H	For use up to max.	Pack size	Weight kg/100 u.	PG		Part No.
flat busbars 10 mm and section busbars	16 - 120 mm², AWG 4 - 250 MCM	17 x 15	440 A	25	10.9	07		**01203**
30 x 10 and section busbars	95 - 300 mm²	41 x 25	630 A	3	85.7	07		**01094**

Brace terminal for round conductors up to 300 mm²

For busbar	Connection min. - max.	For use up to max.	Pack size	Weight kg/100 u.	PG		Part No.
20, 25, 30 x 5, 10 and section busbars *	Cu / Al 95 - 185 mm²	500 A	6	31.2	07		**01318**
20, 25, 30 x 5, 10 and section busbars *	Cu / Al 95 - 300 mm²	600 A	3	42.5	07		**01760**

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

Profile terminal, for double-T section busbars, connection at front and back of busbar section

Connection cross-section	End feed	Centre feed	Terminal space W x H	Pack size	Weight kg/100 u.	PG		Part No.
320 - 800 mm²	1600 A	1600 A	41 x 20 - 42	3	67.0	07		**01185**
500 - 750 mm²			51 x 5 - 28	3	70.5	07		**01906**
600 - 900 mm²			64 x 5 - 28	3	84.0	07		**01907**
500 - 1000 mm²		2000 A	51 x 20 - 42	3	73.5	07		**01936**
600 - 1200 mm²			64 x 20 - 42	3	85.9	07		**01911**
800 - 1600 mm²		2500 A	81 x 20 - 42	3	101.1	07		**01934**
1000 - 2000 mm²		2800 A	101 x 20 - 42	3	113.7	07		**01935**

for the connection of flat busbars and laminated copper busbars

Profile terminal, for triple-T section busbars, connection at front and back of busbar section

320 - 800 mm²	1600 A	1600 A	41 x 23 - 45	3	105.0	07		**01513**
500 - 1260 mm²	2000 A	2500 A	64 x 23 - 45	3	124.0	07		**01008**
1200 - 3600 mm²	2500 A	3200 A	101 x 23 - 45	3	172.7	07		**01186**

for the connection of flat busbars and laminated copper busbars

Centre feed units

with double-T and triple-T section busbar

Brace terminal, 55 to 105 mm wide, for flat conductors

For busbar	Terminal space W x H	End feed	Centre feed	Pack size	Weight kg/100 u.	PG		Part No.
30 x 10 and section busbars	55 x 10 - 28	1600 A	2000 A	3	50.0	07		01069
30 x 10 and section busbars	68 x 10 - 28			3	63.0	07		01070
30 x 10 and section busbars	105 x 10 - 28		2800 A	3	84.0	07		01071

for the connection of flat busbars and laminated copper busbars

Clip-on screw connection, attachable, for DIN 46234 cable lugs

For busbar	Terminal space	For use up to max.	Pack size	Weight kg/100 u.	PG		Part No.
12, 15, 20, 25, 30 x 10 and section busbars	M8 x 8	490 A	20	16.5	07		**01514**
12, 15, 20, 25, 30 x 10 and section busbars	M10 x 10	630 A	6	36.2	07		**01047**

Laminated 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 mm²	Pack size	Weight kg/100 u.	PG		Part No.
10x 40 x 1	774 A	1053 A	400	1	746.0	06		01615
10x 50 x 1	914 A	1244 A	500	1	932.0	06		01509
10x 63 x 1	1088 A	1481 A	630	1	1180.0	06		01510
10x 80 x 1	1305 A	1777 A	800	1	1490.0	06		01061
10x 100 x 1	1550 A	2110 A	1000	1	1870.0	06		01273

for additional additional flexible copper busbars see chapter 7 - Accessories

Component, for individual mounting

Article	Type	Pack size	Weight kg/100 u.	PG		Part No.
busbar support, lateral	for centre feed unit with double T and triple T busbars	2	458.0	11		35008
busbar support, 4-pole, centre	for centre feed unit with double T busbars	1	458.0	11		35009
busbar support, 3-pole, centre	for centre feed unit with triple T busbars	1	458.0	11		35001
additional cover holder	for centre feed unit	4	1.4	11		35017

Section busbar, copper

Article	Type	Pack size	Weight kg/100 u.	PG		Part No.
double-T section busbar 500 mm²	length 453 mm, tinned	1	200.6	06		01225
double-T section busbar 500 mm²	length 650 mm, tinned	1	288.1	06		01226
double-T section busbar 720 mm²	length 453 mm, tinned	1	293.3	06		01838
double-T section busbar 720 mm²	length 653 mm , tinned	1	424.0	06		01831
triple-T section busbar 1140 mm²	length 453 mm, tinned	1	464.0	06		01188
triple-T section busbar 1140 mm²	length 653 mm, tinned	1	672.3	06		01189

for current carrying capacity of the busbars visit www.woehner.com

Centre feed units

Components for TCC section busbars

Busbar holder, 1-pole, lateral

Type	Pack size	Weight kg/100 u.	PG		Part No.
for section busbars	6	11.0	06		**01369**

Section busbar, copper, tin-plated

Type	Length	Pack size	Weight kg/100 u.	PG		Part No.
TCC section busbar 1600 mm²	2400	1	3416.0	06		**01610**

for the connection of flat busbars and laminated copper busbars

Connection screw, with nut and spring washer for TCC section busbars

Type	Connection	Pack size	Weight kg/100 u.	PG		Part No.
hammer-head screw for TCC-profile, with nut and spring washer	M10 x 45	12	5.1	07		**01379**
bolt for TCC-profile, with nut and spring washer	M12 x 60	12	9.1	07		**01380**

Brace terminal, 95 to 300 mm², for round conductors

For busbar		Connection mm²	For use up to max.	Pack size	Weight kg/100 u.	PG		Part No.
20, 25, 30 x 5, 10 and section busbars	*	95 - 185	500 A	6	31.2	07		**01318**
20, 25, 30 x 5, 10 and section busbars	*		600 A	3	42.5	07		**01760**

for the connection of flat busbars and laminated copper busbars
* 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 W x H	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		**01319**
	32 x 20		800 A	3	34.7	07		**01759**
30 x 10 and section busbars	55 x 10 - 28	1600 A	2000 A	3	50.0	07		**01069**
	68 x 10 - 28			3	63.0	07		**01070**
	105 x 10 - 28		2800 A	3	84.0	07		**01071**