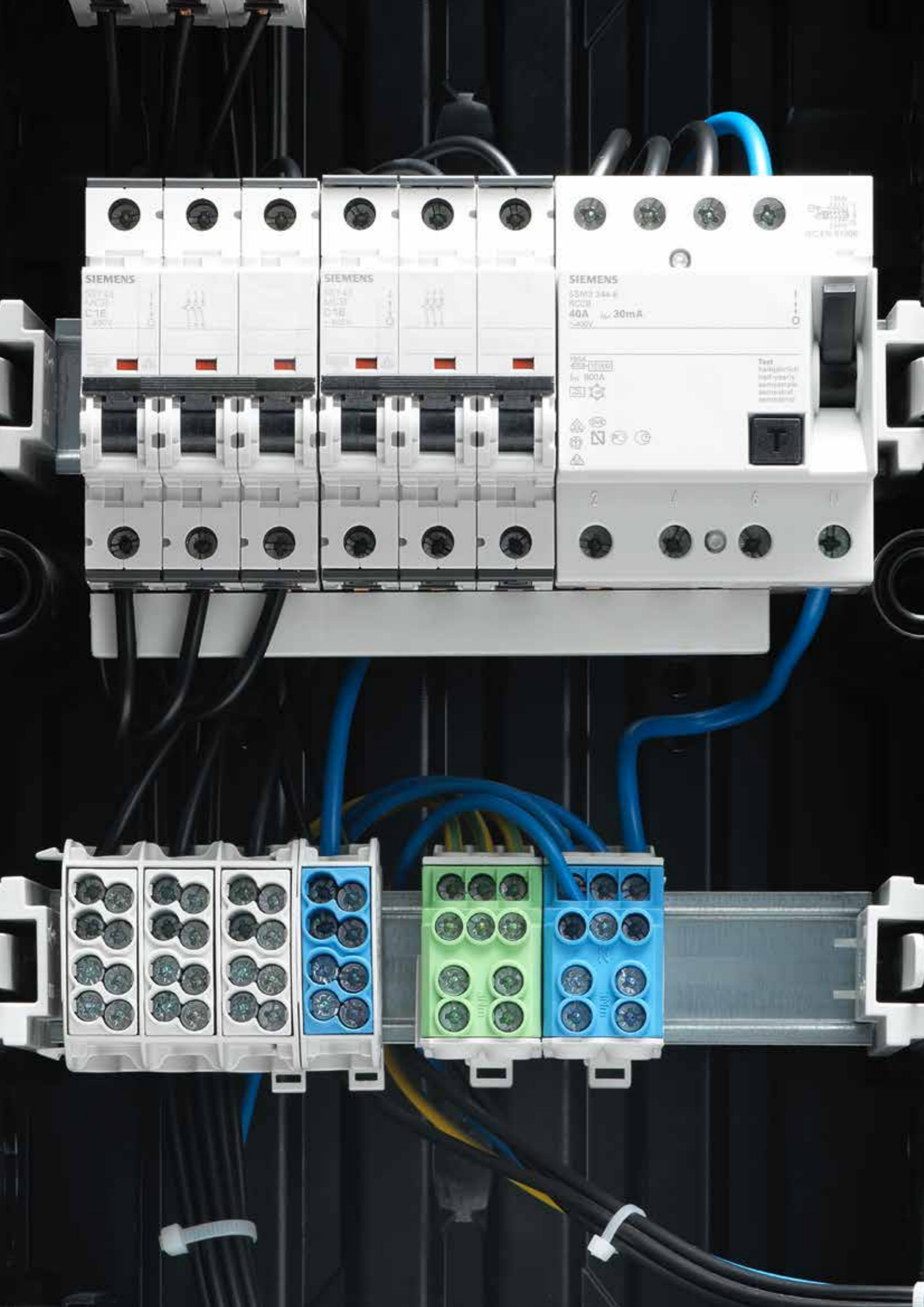


BUSBARS & ACCESSORIES



Safe connections of circuit-breakers,
residual current devices and other installation devices
certified according to all relevant test standards



BUSBARS SAFE CONNECTIONS FOR ALL CIRCUIT BREAKERS

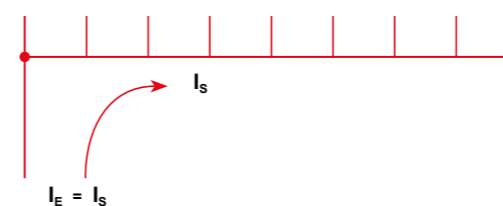
HORA eTec busbars provide a safe and quick connection of circuit breakers, residual current devices and other installation devices. All types are available in two versions: with pin or with fork. The complete HORA eTec busbar portfolio has been tested by VDE. As of today there is no special test standard for busbars. This is why we configured in accordance with DIN EN 61439-1:2012-06 and DIN EN 61439-6:2013-06 the complete test setup

and checked all pin and fork types – the test report from VDE is available for you on request. The busbars from HORA eTec are allside fingersafe according to DIN EN 50274. Accessories such as end caps and feed-in terminals you will find in our portfolio, too. Apart from the standard version we can also offer different pitch lengths, cross sections, special designs and combinations on inquiry.

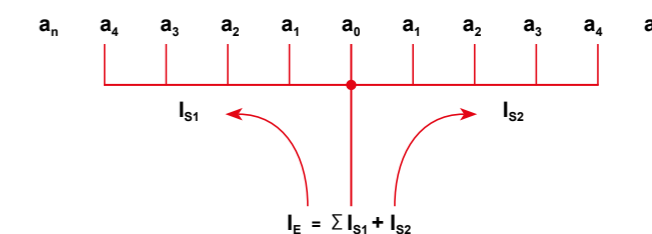
CURRENT RATING

Busbar cross-section in mm ²	1-phase						2,3 and 4-phase			
	10	12	16	20	25	36	10	16	25	36
Feed-in from side maximum busbar current I_s / Phase A	63	65	80	90	100	130	63	80	100	130
Feed-in from middle maximum current per branch I_E / Phase A	100	110	130	150	180	220	100	130	180	220
maximum feed-in current I_E / Phase A	Dependent on the cross section									

Feed-in at start of busbar

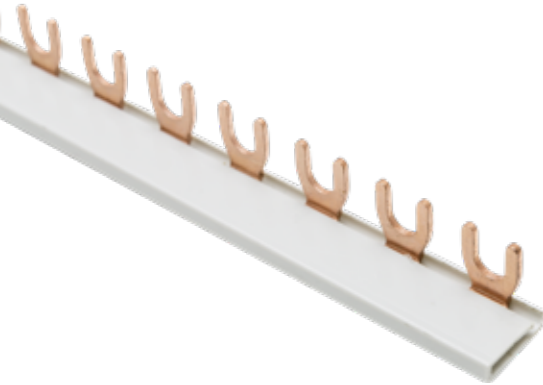


Feeding along the busbar or central feed-in



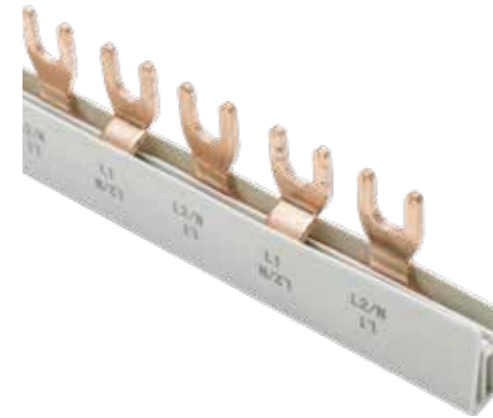
For central supply, it has to be made sure that the sum of the outgoing currents a_n at each bus branch is not bigger than the above-mentioned max. busbar current I_s / phase.

1-POLE FORK (M6)



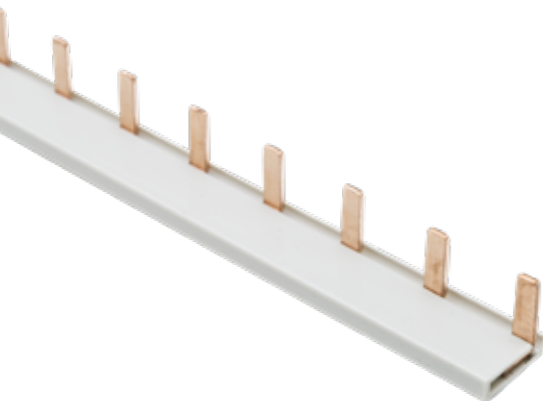
Type	Cross section	Nominal Current	Modules	Pitch
G-1L-106/10	10 mm ²	63 A	6	17,8 + 9 mm
G-1L-106/16	16 mm ²	80 A	6	17,8 mm
G-1L-160/10	10 mm ²	63 A	9	17,8 mm
G-1L-160/16	16 mm ²	80 A	9	17,8 mm
G-1L-210/10	10 mm ²	63 A	12	17,8 mm
G-1L-210/16	16 mm ²	80 A	12	17,8 mm
G-1L-268/10	10 mm ²	63 A	15	17,8 mm
G-1L-268/16	16 mm ²	80 A	15	17,8 mm
G-1L-320/10	10 mm ²	63 A	18	17,8 mm
G-1L-320/16	16 mm ²	80 A	18	17,8 mm
G-1L-1000/10	10 mm ²	63 A	57	17,8 mm
G-1L-1000/16	16 mm ²	80 A	57	17,8 mm
G-1L+9-1000/10	10 mm ²	63 A	37	17,8 + 9 mm
G-1L+9-1000/16	16 mm ²	80 A	37	17,8 + 9 mm
G-1L-27-1000/10	10 mm ²	63 A	37	27 mm
G-1L-27-1000/16	16 mm ²	80 A	37	27 mm

2-POLE FORK (M6)



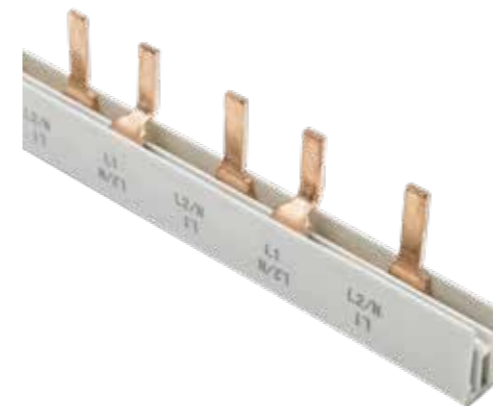
Type	Cross section	Nominal Current	Modules	Pitch
G-2L-106/10	10 mm ²	63 A	6	17,8 mm
G-2L-106/16 C	16 mm ²	80 A	6	17,8 mm
G-2L-210/10	10 mm ²	63 A	12	17,8 mm
G-2L-210/16 C	16 mm ²	80 A	12	17,8 mm
G-2L-320/10	10 mm ²	63 A	18	17,8 mm
G-2L-320/16 C	16 mm ²	80 A	18	17,8 mm
G-2L-1000/10	10 mm ²	63 A	56	17,8 mm
G-2L-1000/16 C	16 mm ²	80 A	56	17,8 mm
G-2L+9-1000/10	10 mm ²	63 A	46	17,8 + 9 mm
G-2L+9-1000/16 C	16 mm ²	80 A	46	17,8 + 9 mm
G-2L-27-1000/10	10 mm ²	63 A	38	27 mm
G-2L-27-1000/16 C	16 mm ²	80 A	38	27 mm

1-POLE PIN



Type	Cross section	Nominal Current	Modules	Pitch
S-1L-106/10	10 mm ²	63 A	6	17,8 mm
S-1L-106/16	16 mm ²	80 A	6	17,8 mm
S-1L-160/10	10 mm ²	63 A	9	17,8 mm
S-1L-160/16	16 mm ²	80 A	9	17,8 mm
S-1L-210/10	10 mm ²	63 A	12	17,8 mm
S-1L-210/16	16 mm ²	80 A	12	17,8 mm
S-1L-268/10	10 mm ²	63 A	15	17,8 mm
S-1L-268/16	16 mm ²	80 A	15	17,8 mm
S-1L-320/10	10 mm ²	63 A	18	17,8 mm
S-1L-320/16	16 mm ²	80 A	18	17,8 mm
S-1L-1000/10	10 mm ²	63 A	57	17,8 mm
S-1L-1000/16	16 mm ²	80 A	57	17,8 mm
S-1L+9-1000/10	10 mm ²	63 A	37	17,8 + 9 mm
S-1L+9-1000/16	16 mm ²	80 A	37	17,8 + 9 mm
S-1L-27-1000/10	10 mm ²	63 A	37	27 mm
S-1L-27-1000/16	16 mm ²	80 A	37	27 mm

2-POLE PIN



Type	Cross section	Nominal Current	Modules	Pitch
S-2L-106/10	10 mm ²	63 A	6	17,8 mm
S-2L-106/16	16 mm ²	80 A	6	17,8 mm
S-2L-210/10	10 mm ²	63 A	12	17,8 mm
S-2L-210/16	16 mm ²	80 A	12	17,8 mm
S-2L-320/10	10 mm ²	63 A	18	17,8 mm
S-2L-320/16	16 mm ²	80 A	18	17,8 mm
S-2L-1000/10	10 mm ²	63 A	56	17,8 mm
S-2L-1000/16	16 mm ²	80 A	56	17,8 mm
S-2L+9-1000/10	10 mm ²	63 A	46	17,8 + 9 mm
S-2L+9-1000/16	16 mm ²	80 A	46	17,8 + 9 mm
S-2L-27-1000/10	10 mm ²	63 A	38	27 mm
S-2L-27-1000/16	16 mm ²	80 A	38	27 mm

SUITABLE END CAP EK 1

EK	mm ²
EK 1/10-16	10/16

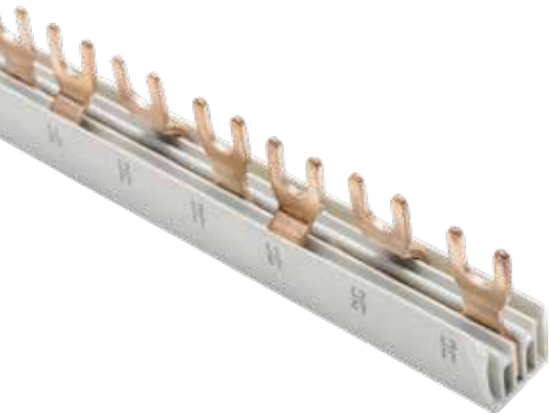


SUITABLE END CAP EK 2

EK	mm ²
EK 2/10	10
EK 2/16	16

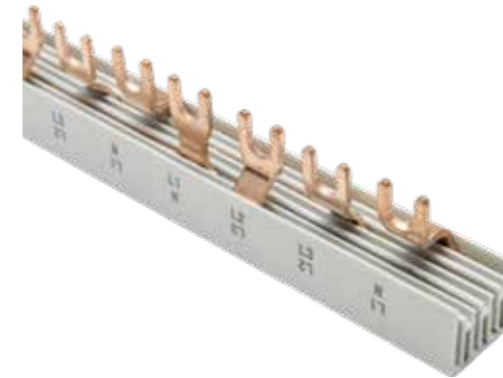


3-POLE FORK (M6)



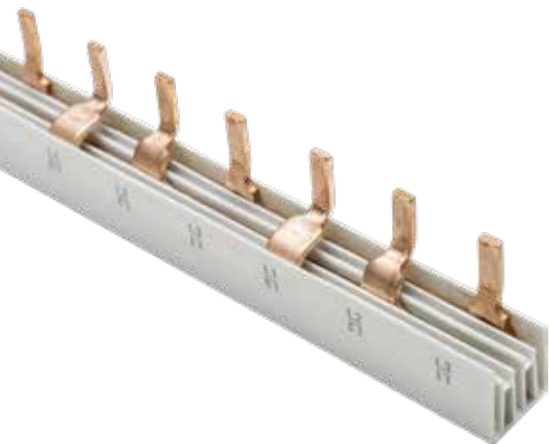
Type	Cross section	Nominal Current	Modules	Pitch
G-3L-106/10 C	10 mm ²	63 A	6	17,8 mm
G-3L-106/16 C	16 mm ²	80 A	6	17,8 mm
G-3L-160/10 C	10 mm ²	63 A	9	17,8 mm
G-3L-160/16 C	16 mm ²	80 A	9	17,8 mm
G-3L-210/10 C	10 mm ²	63 A	12	17,8 mm
G-3L-210/16 C	16 mm ²	80 A	12	17,8 mm
G-3L-268/10 C	10 mm ²	63 A	15	17,8 mm
G-3L-268/16 C	16 mm ²	80 A	15	17,8 mm
G-3L-320/10 C	10 mm ²	63 A	18	17,8 mm
G-3L-320/16 C	16 mm ²	80 A	18	17,8 mm
G-3L-375/10 C	10 mm ²	63 A	21	17,8 mm
G-3L-375/16 C	16 mm ²	80 A	21	17,8 mm
G-3L-1000/10 C	10 mm ²	63 A	57	17,8 mm
G-3L-1000/16 C	16 mm ²	80 A	57	17,8 mm
G-3L+9-1000/10 C	10 mm ²	63 A	48	17,8 + 9 mm
G-3L+9-1000/16 C	16 mm ²	80 A	48	17,8 + 9 mm
G-3L-27-1000/10	10 mm ²	63 A	36	27 mm
G-3L-27-1000/16	16 mm ²	80 A	36	27 mm

4-POLE FORK (M6)



Type	Cross section	Nominal Current	Modules	Pitch
G-4L-160/10 C	10 mm ²	63 A	8	17,8 mm
G-4L-160/16 C	16 mm ²	80 A	8	17,8 mm
G-4L-210/10 C	10 mm ²	63 A	12	17,8 mm
G-4L-210/16 C	16 mm ²	80 A	12	17,8 mm
G-4L-285/10 C	10 mm ²	63 A	16	17,8 mm
G-4L-285/16 C	16 mm ²	80 A	16	17,8 mm
G-4L-1000/10 C	10 mm ²	63 A	56	17,8 mm
G-4L-1000/16 C	16 mm ²	80 A	56	17,8 mm
G-4L+9-1000/10 C	10 mm ²	63 A	36	17,8 + 9 mm
G-4L+9-1000/16 C	16 mm ²	80 A	48	17,8 + 9 mm
G-1L+N-2L+N-3L+N-1000/10 C	10 mm ²	63 A	54	17,8 mm
G-1L+N-2L+N-3L+N-1000/16 C	16 mm ²	80 A	54	17,8 mm
G-1L+N+9-2L+N+9-3L+N+9-1000/10 C	10 mm ²	63 A	42	17,8 + 9 mm
G-1L+N+9-2L+N+9-3L+N+9-1000/16 C	16 mm ²	80 A	42	17,8 + 9 mm

3-POLE PIN



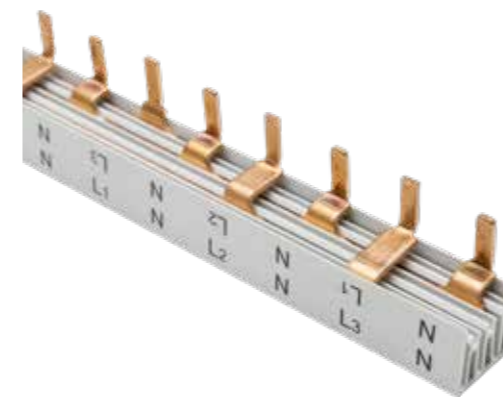
Type	Cross section	Nominal Current	Modules	Pitch
S-3L-106/10	10 mm ²	63 A	6	17,8 mm
S-3L-106/16	16 mm ²	80 A	6	17,8 mm
S-3L-160/10	10 mm ²	63 A	9	17,8 mm
S-3L-160/16	16 mm ²	80 A	9	17,8 mm
S-3L-210/10	10 mm ²	63 A	12	17,8 mm
S-3L-210/16	16 mm ²	80 A	12	17,8 mm
S-3L-268/10	10 mm ²	63 A	15	17,8 mm
S-3L-268/16	16 mm ²	80 A	15	17,8 mm
S-3L-320/10	10 mm ²	63 A	18	17,8 mm
S-3L-320/16	16 mm ²	80 A	18	17,8 mm
S-3L-375/10	10 mm ²	63 A	21	17,8 mm
S-3L-375/16	16 mm ²	80 A	21	17,8 mm
S-3L-1000/10	10 mm ²	63 A	57	17,8 mm
S-3L-1000/16	16 mm ²	80 A	57	17,8 mm
S-3L+9-1000/10	10 mm ²	63 A	48	17,8 + 9 mm
S-3L+9-1000/16	16 mm ²	80 A	48	17,8 + 9 mm
S-3L-27-1000/10	10 mm ²	63 A	36	27 mm
S-3L-27-1000/16	16 mm ²	80 A	36	27 mm

SUITABLE END CAP EK 3

EK	mm ²
EK 3/10	10
EK 3/16	16



4-POLE PIN



Type	Cross section	Nominal Current	Modules	Pitch
S-4L-160/10	10 mm ²	63 A	8	17,8 mm
S-4L-160/16	16 mm ²	80 A	8	17,8 mm
S-4L-210/10	10 mm ²	63 A	12	17,8 mm
S-4L-210/16	16 mm ²	80 A	12	17,8 mm
S-4L-285/10	10 mm ²	63 A	16	17,8 mm
S-4L-285/16	16 mm ²	80 A	16	17,8 mm
S-4L-1000/10	10 mm ²	63 A	56	17,8 mm
S-4L-1000/16	16 mm ²	80 A	56	17,8 mm
S-4L+9-1000/10	10 mm ²	63 A	36	17,8 + 9 mm
S-4L+9-1000/16	16 mm ²	80 A	48	17,8 + 9 mm
S-1L+N-2L+N-3L+N-1000/10	10 mm ²	63 A	54	17,8 mm
S-1L+N-2L+N-3L+N-1000/16	16 mm ²	80 A	54	17,8 mm
S-1L+N+9-2L+N+9-3L+N+9-1000/10	10 mm ²	63 A	42	17,8 + 9 mm
S-1L+N+9-2L+N+9-3L+N+9-1000/16	16 mm ²	80 A	42	17,8 + 9 mm

SUITABLE END CAP EK 4

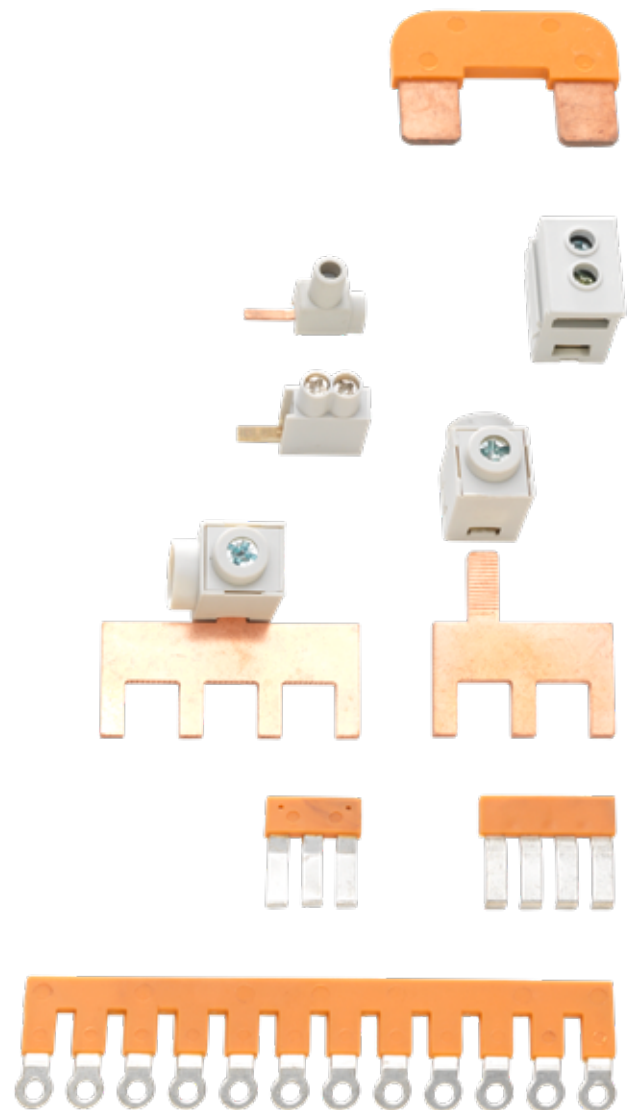
EK	mm ²
EK 4/10	10
EK 4/16	16





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