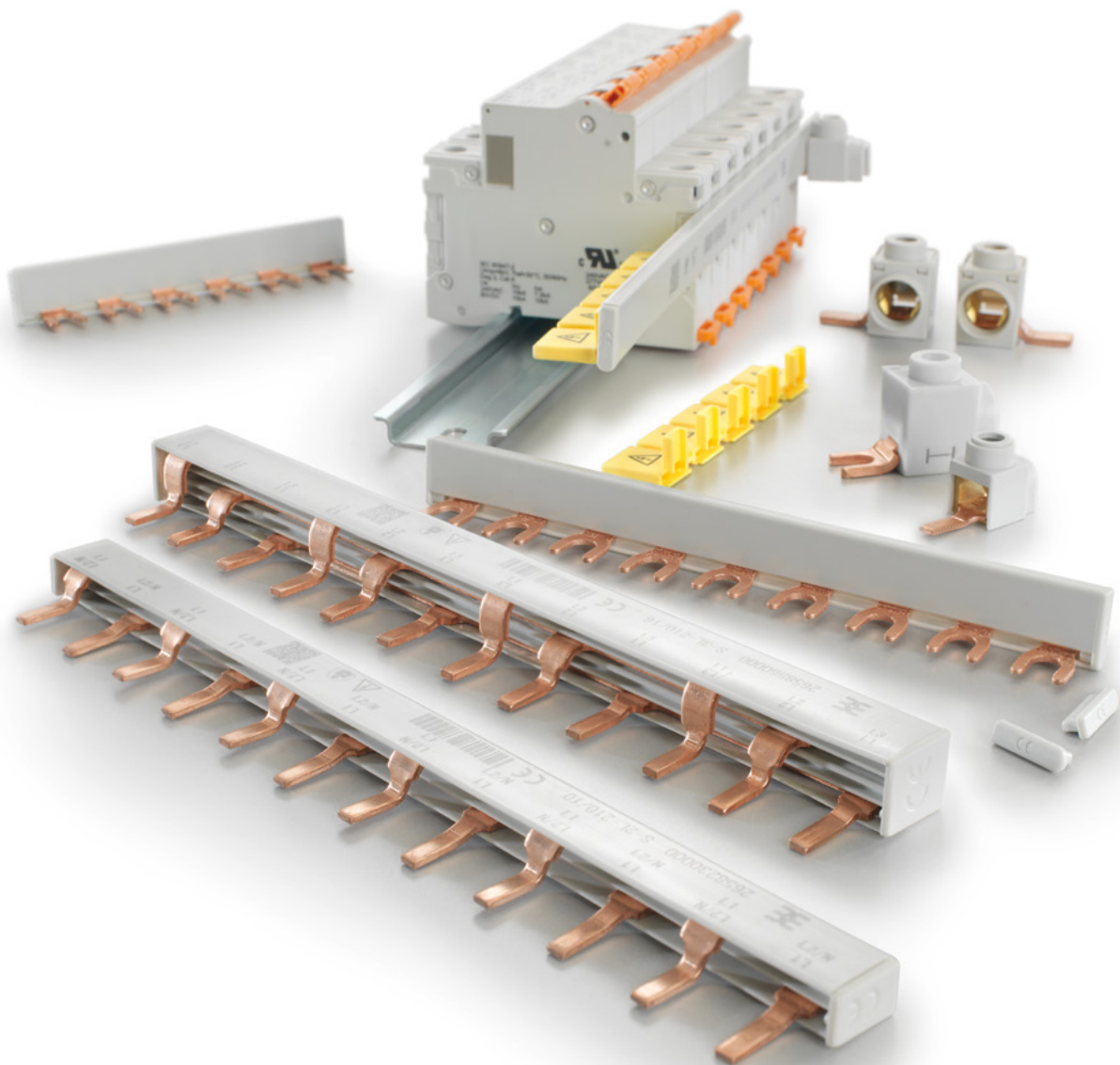


# Phase rails with pin and fork contact

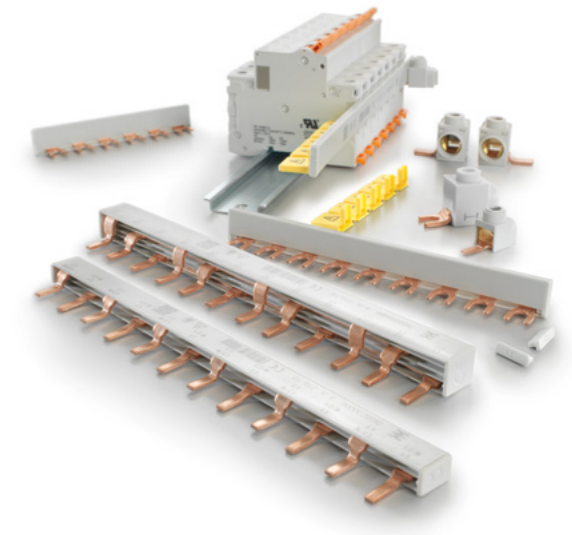
For simple and safe potential distribution on installation devices



# Phase rails with pin and fork contact

For simple and safe potential distribution on installation devices

To avoid additional wiring work, phase rails are used for potential distribution in industrial plants and especially in the building industry. They are used for potential distribution to other components in the control cabinet such as circuit breakers, residual current circuit breakers and other installation devices. In addition to the number of poles and the cross section, a distinction is also made in terms of the type of connection, provided either with bar or fork-type.



### Our promise

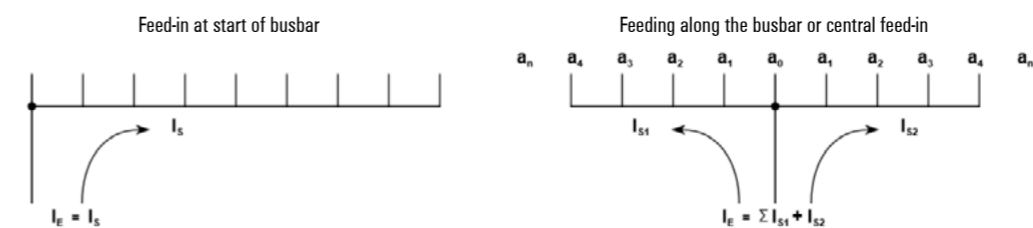
Our range of busbars includes versions from 1-pole to 4-pole with bar and fork type variants. Tests according to DIN EN 61439-1 and DIN EN 61439-6 Stds. guarantee maximum product application safety. A corresponding range of accessories such as power supply modules, end caps and covers completes the product portfolio. Once the phase rails have been cut to length, the end caps ensure the required creepage distances in the system and guarantee finger safety in accordance with DIN EN 50274. Various feed modules facilitate handling when feeding the system.

### Our installation tip

- Always use end caps after cutting the busbars to length to ensure finger safety according to DIN EN 50274
- Lateral feed via the Fit 50... reduces the bending radius of the supply cable and thus simplifies wiring
- Protection cover indicate contact points not yet connected

### Current rating

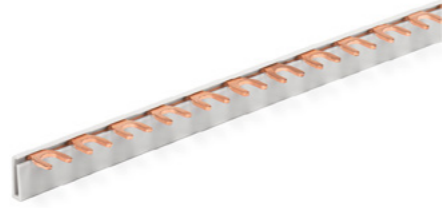
Busbar cross-section in mm <sup>2</sup>	1-phase						2,3 and 4-phase			
	0	12	16	20	25	36	10	16	25	36
Feed-in from side maximum busbar current $I_S$ / Phase A	36	65	80	90	100	130	63	80	100	130
Feed-in from middle maximum current per branch $I_E$ / Phase A maximum feed-in current $I_E$ / Phase A	100	110	130	150	180	220	100	130	180	220



For central supply, it has to be made sure that the sum of the outgoing currents  $a_0$  at each bus branch is not bigger than the above-mentioned max. busbar current  $I_S$  / phase

**Single phase rails for LS, LS + HI and DO  
1-pin Fork (M6)**

- Can be cut to any length
- Finger safe according to DIN EN 50274



Type	for wire cross-section	Rated current	Poles	Pitch	Qty.	Order No.
G-1L-106/10	10 mm <sup>2</sup>	63 A	6	17.80 mm	10	2657770000
G-1L-106/16	16 mm <sup>2</sup>	80 A	6	17.80 mm	10	2657780000
G-1L-160/10	10 mm <sup>2</sup>	63 A	9	17.80 mm	10	2657790000
G-1L-160/16	16 mm <sup>2</sup>	80 A	9	17.80 mm	10	2657800000
G-1L-210/10	10 mm <sup>2</sup>	63 A	12	17.80 mm	10	2657810000
G-1L-210/16	16 mm <sup>2</sup>	80 A	12	17.80 mm	10	2657820000
G-1L-268/10	10 mm <sup>2</sup>	63 A	15	17.80 mm	10	2657830000
G-1L-268/16	16 mm <sup>2</sup>	80 A	15	17.80 mm	10	2657840000
G-1L-320/10	10 mm <sup>2</sup>	63 A	18	17.80 mm	10	2657850000
G-1L-320/16	16 mm <sup>2</sup>	80 A	18	17.80 mm	10	2657860000
G-1L-1000/10	10 mm <sup>2</sup>	63 A	57	17.80 mm	10	2657870000
G-1L-1000/16	16 mm <sup>2</sup>	80 A	57	17.80 mm	10	2657880000
G-1L+9-1000/10	10 mm <sup>2</sup>	63 A	37	17.80 mm	10	2657890000
G-1L+9-1000/16	16 mm <sup>2</sup>	80 A	37	17.80 mm	10	2657900000
G-1L-27-1000/10	10 mm <sup>2</sup>	63 A	37	27.00 mm	10	2657910000
G-1L-27-1000/16	16 mm <sup>2</sup>	80 A	37	27.00 mm	10	2657920000

**Accessories  
End cap EK 1**



Type	Qty.	Order No.
END CAP G+S 1L/10-16	50	2658970000

**Single phase rails for LS, LS + HI and DO  
1-pole Pin**

- Can be cut to any length
- Finger safe according to DIN EN 50274



Type	for wire cross-section	Rated current	Poles	Pitch	Qty.	Order No.
S-1L-106/10	10 mm <sup>2</sup>	63 A	6	17.80 mm	10	2657930000
S-1L-106/16	16 mm <sup>2</sup>	80 A	6	17.80 mm	10	2657940000
S-1L-160/10	10 mm <sup>2</sup>	63 A	9	17.80 mm	10	2657950000
S-1L-160/16	16 mm <sup>2</sup>	80 A	9	17.80 mm	10	2657960000
S-1L-210/10	10 mm <sup>2</sup>	63 A	12	17.80 mm	10	2657970000
S-1L-210/16	16 mm <sup>2</sup>	80 A	12	17.80 mm	10	2657980000
S-1L-268/10	10 mm <sup>2</sup>	63 A	15	17.80 mm	10	2657990000
S-1L-268/16	16 mm <sup>2</sup>	80 A	15	17.80 mm	10	2658000000
S-1L-320/10	10 mm <sup>2</sup>	63 A	18	17.80 mm	10	2658010000
S-1L-320/16	16 mm <sup>2</sup>	80 A	18	17.80 mm	10	2658020000
S-1L-1000/10	10 mm <sup>2</sup>	63 A	57	17.80 mm	10	2658030000
S-1L-1000/16	16 mm <sup>2</sup>	80 A	57	17.80 mm	10	2658040000
S-1L+9-1000/10	10 mm <sup>2</sup>	63 A	37	17.80 mm	10	2658050000
S-1L+9-1000/16	16 mm <sup>2</sup>	80 A	37	17.80 mm	10	2658060000
S-1L-27-1000/10	10 mm <sup>2</sup>	63 A	37	27.00 mm	10	2658070000
S-1L-27-1000/16	16 mm <sup>2</sup>	80 A	37	27.00 mm	10	2658080000

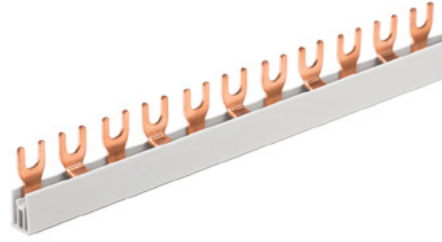
**Accessories  
End cap EK 1**



Type	Qty.	Order No.
END CAP G+S 1L/10-16	50	2658970000

**Single phase rails for LS, LS + HI and DO  
2-pin Fork (M6)**

- Can be cut to any length
- Finger safe according to DIN EN 50274



Type	for wire cross-section	Rated current	Poles	Pitch	Qty.	Order No.
G-2L-106/10	10 mm <sup>2</sup>	63 A	6	17.80 mm	5	2658090000
G-2L-106/16	16 mm <sup>2</sup>	80 A	6	17.80 mm	5	2658100000
G-2L-210/10	10 mm <sup>2</sup>	63 A	12	17.80 mm	5	2658110000
G-2L-210/16	16 mm <sup>2</sup>	80 A	12	17.80 mm	5	2658120000
G-2L-320/10	10 mm <sup>2</sup>	63 A	18	17.80 mm	5	2658130000
G-2L-320/16	16 mm <sup>2</sup>	80 A	18	17.80 mm	5	2658140000
G-2L-1000/10	10 mm <sup>2</sup>	63 A	56	17.80 mm	5	2658150000
G-2L-1000/16	16 mm <sup>2</sup>	80 A	56	17.80 mm	5	2658160000
G-2L+9-1000/10	10 mm <sup>2</sup>	63 A	46	17.80 mm	5	2658170000
G-2L+9-1000/16	16 mm <sup>2</sup>	80 A	46	17.80 mm	5	2658180000
G-2L-27-1000/10	10 mm <sup>2</sup>	63 A	38	27.00 mm	5	2658190000
G-2L-27-1000/16	16 mm <sup>2</sup>	80 A	38	27.00 mm	5	2658200000

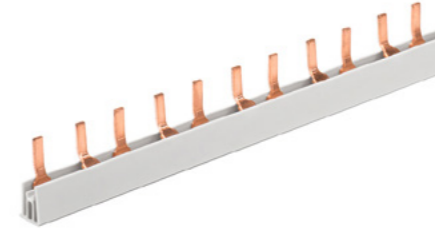
**Accessories  
End cap EK 1**



Type	Qty.	Order No.
END CAP G+S 2L/10	10	2658980000
END CAP G+S 2L/16	10	2658990000

**Single phase rails for LS, LS + HI and DO  
2-pole Pin**

- Can be cut to any length
- Finger safe according to DIN EN 50274



Type	for wire cross-section	Rated current	Poles	Pitch	Qty.	Order No.
S-2L-106/10	10 mm <sup>2</sup>	63 A	6	17.80 mm	5	2658210000
S-2L-106/16	16 mm <sup>2</sup>	80 A	6	17.80 mm	5	2658220000
S-2L-210/10	10 mm <sup>2</sup>	63 A	12	17.80 mm	5	2658230000
S-2L-210/16	16 mm <sup>2</sup>	80 A	12	17.80 mm	5	2658240000
S-2L-320/10	10 mm <sup>2</sup>	63 A	18	17.80 mm	5	2658250000
S-2L-320/16	16 mm <sup>2</sup>	80 A	18	17.80 mm	5	2658260000
S-2L-1000/10	10 mm <sup>2</sup>	63 A	56	17.80 mm	5	2658270000
S-2L-1000/16	16 mm <sup>2</sup>	80 A	56	17.80 mm	5	2658280000
S-2L+9-1000/10	10 mm <sup>2</sup>	63 A	46	17.80 mm	5	2658290000
S-2L+9-1000/16	16 mm <sup>2</sup>	80 A	46	17.80 mm	5	2658300000
S-2L-27-1000/10	10 mm <sup>2</sup>	63 A	38	27.00 mm	5	2658310000
S-2L-27-1000/16	16 mm <sup>2</sup>	80 A	38	27.00 mm	5	2658320000

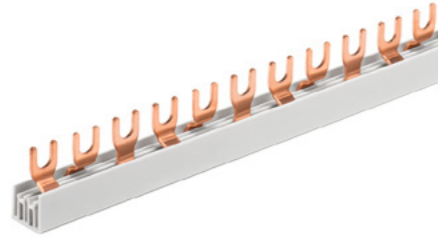
**Accessories  
End cap EK 1**



Type	Qty.	Order No.
END CAP G+S 2L/10	10	2658980000
END CAP G+S 2L/16	10	2658990000

**Single phase rails for LS, LS + HI and DO  
3-pin Fork (M6)**

- Can be cut to any length
- Finger safe according to DIN EN 50274



Type	for wire cross-section	Rated current	Poles	Pitch	Qty.	Order No.
G-3L-106/10 C	10 mm <sup>2</sup>	63 A	6	17.80 mm	5	2658330000
G-3L-106/16 C	16 mm <sup>2</sup>	80 A	6	17.80 mm	5	2658340000
G-3L-160/10 C	10 mm <sup>2</sup>	63 A	9	17.80 mm	5	2658350000
G-3L-160/16 C	16 mm <sup>2</sup>	80 A	9	17.80 mm	5	2658360000
G-3L-210/10 C	10 mm <sup>2</sup>	63 A	12	17.80 mm	5	2658370000
G-3L-210/16 C	16 mm <sup>2</sup>	80 A	12	17.80 mm	5	2658380000
G-3L-268/10 C	10 mm <sup>2</sup>	63 A	15	17.80 mm	5	2658390000
G-3L-268/16 C	16 mm <sup>2</sup>	80 A	15	17.80 mm	5	2658400000
G-3L-320/10 C	10 mm <sup>2</sup>	63 A	18	17.80 mm	5	2658410000
G-3L-320/16 C	16 mm <sup>2</sup>	80 A	18	17.80 mm	5	2658420000
G-3L-375/10 C	10 mm <sup>2</sup>	63 A	21	17.80 mm	5	2658430000
G-3L-375/16 C	16 mm <sup>2</sup>	80 A	21	17.80 mm	5	2658440000
G-3L-1000/10 C	10 mm <sup>2</sup>	63 A	57	17.80 mm	5	2658450000
G-3L-1000/16 C	16 mm <sup>2</sup>	80 A	57	17.80 mm	5	2658460000
G-3L+9-1000/10 C	10 mm <sup>2</sup>	63 A	48	17.80 mm	5	2658470000
G-3L+9-1000/16 C	16 mm <sup>2</sup>	80 A	48	17.80 mm	5	2658480000
G-3L-27-1000/10	10 mm <sup>2</sup>	63 A	36	27.00 mm	5	2658490000
G-3L-27-1000/16	16 mm <sup>2</sup>	80 A	36	27.00 mm	5	2658500000

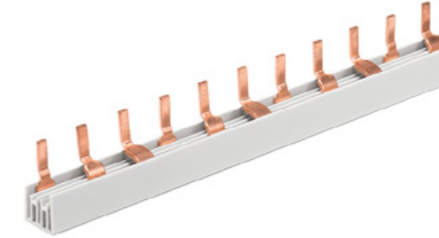
**Accessories  
End cap EK 1**



Type	Qty.	Order No.
END CAP G+S 3L/10	10	2659000000
END CAP G+S 3L/16	10	2659600000

**Single phase rails for LS, LS + HI and DO  
3-pole Pin**

- Can be cut to any length
- Finger safe according to DIN EN 50274



Type	for wire cross-section	Rated current	Poles	Pitch	Qty.	Order No.
S-3L-106/10	10 mm <sup>2</sup>	63 A	6	17.80 mm	5	2658510000
S-3L-106/16	16 mm <sup>2</sup>	80 A	6	17.80 mm	5	2658520000
S-3L-160/10	10 mm <sup>2</sup>	63 A	9	17.80 mm	5	2658530000
S-3L-160/16	16 mm <sup>2</sup>	80 A	9	17.80 mm	5	2658540000
S-3L-210/10	10 mm <sup>2</sup>	63 A	12	17.80 mm	5	2658550000
S-3L-210/16	16 mm <sup>2</sup>	80 A	12	17.80 mm	5	2658560000
S-3L-268/10	10 mm <sup>2</sup>	63 A	15	17.80 mm	5	2658570000
S-3L-268/16	16 mm <sup>2</sup>	80 A	15	17.80 mm	5	2658580000
S-3L-320/10	10 mm <sup>2</sup>	63 A	18	17.80 mm	5	2658590000
S-3L-320/16	16 mm <sup>2</sup>	80 A	18	17.80 mm	5	2658600000
S-3L-375/10	10 mm <sup>2</sup>	63 A	21	17.80 mm	5	2658610000
S-3L-375/16	16 mm <sup>2</sup>	80 A	21	17.80 mm	5	2658620000
S-3L-1000/10	10 mm <sup>2</sup>	63 A	57	17.80 mm	5	2658630000
S-3L-1000/16	16 mm <sup>2</sup>	80 A	57	17.80 mm	5	2658640000
S-3L+9-1000/10	10 mm <sup>2</sup>	63 A	48	17.80 mm	5	2658650000
S-3L+9-1000/16	16 mm <sup>2</sup>	80 A	48	17.80 mm	5	2658660000
S-3L-27-1000/10	10 mm <sup>2</sup>	63 A	36	27.00 mm	5	2658670000
S-3L-27-1000/16	16 mm <sup>2</sup>	80 A	36	27.00 mm	5	2658680000

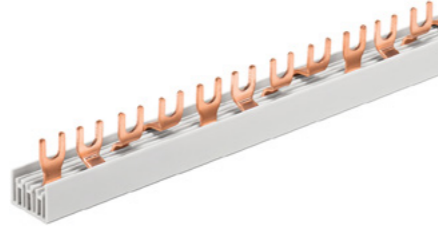
**Accessories  
End cap EK 1**



Type	Qty.	Order No.
END CAP G+S 3L/10	10	2659000000
END CAP G+S 3L/16	10	2659600000

**Single phase rails for LS, LS + HI and DO  
4-pin Fork (M6)**

- Can be cut to any length
- Finger safe according to DIN EN 50274



Type	for wire cross-section	Rated current	Poles	Pitch	Qty.	Order No.
G-4L-140/10 C	10 mm <sup>2</sup>	63 A	8	17.80 mm	5	2658690000
G-4L-140/16 C	16 mm <sup>2</sup>	80 A	8	17.80 mm	5	2658700000
G-4L-210/10 C	10 mm <sup>2</sup>	63 A	12	17.80 mm	5	2658710000
G-4L-210/16 C	16 mm <sup>2</sup>	80 A	12	17.80 mm	5	2658720000
G-4L-285/10 C	10 mm <sup>2</sup>	63 A	16	17.80 mm	5	2658730000
G-4L-285/16 C	16 mm <sup>2</sup>	80 A	16	17.80 mm	5	2658740000
G-4L-1000/10 C	10 mm <sup>2</sup>	63 A	56	17.80 mm	5	2658750000
G-4L-1000/16 C	16 mm <sup>2</sup>	80 A	56	17.80 mm	5	2658760000
G-4L+9-1000/10 C	10 mm <sup>2</sup>	63 A	36	17.80 mm	5	2658770000
G-4L+9-1000/16 C	16 mm <sup>2</sup>	80 A	48	17.80 mm	5	2658780000
G-1L+N-2L+N-3L+N-1000/10 C	10 mm <sup>2</sup>	63 A	54	17.80 mm	5	2658790000
G-1L+N-2L+N-3L+N-1000/16 C	16 mm <sup>2</sup>	80 A	54	17.80 mm	5	2658800000
G-1L+N+9-2L+N+9-3L+N+9-1000/10 C	10 mm <sup>2</sup>	63 A	42	17.80 mm	5	2658810000
G-1L+N+9-2L+N+9-3L+N+9-1000/16 C	16 mm <sup>2</sup>	80 A	42	17.80 mm	5	2658820000

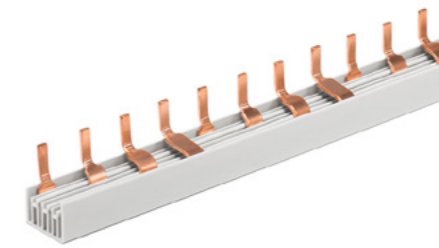
**Accessories  
End cap EK 1**



Type	Qty.	Order No.
END CAP G+S 4L/10	10	2659010000
END CAP G+S 4L/16	10	2659030000

**Single phase rails for LS, LS + HI and DO  
4-pole Pin**

- Can be cut to any length
- Finger safe according to DIN EN 50274



Type	for wire cross-section	Rated current	Poles	Pitch	Qty.	Order No.
S-4L-140/10	10 mm <sup>2</sup>	63 A	8	17.80 mm	5	2658830000
S-4L-140/16	16 mm <sup>2</sup>	80 A	8	17.80 mm	5	2658840000
S-4L-210/10	10 mm <sup>2</sup>	63 A	12	17.80 mm	5	2658850000
S-4L-210/16	16 mm <sup>2</sup>	80 A	12	17.80 mm	5	2658860000
S-4L-285/10	10 mm <sup>2</sup>	63 A	16	17.80 mm	5	2658870000
S-4L-285/16	16 mm <sup>2</sup>	80 A	16	17.80 mm	5	2658880000
S-4L-1000/10	10 mm <sup>2</sup>	63 A	56	17.80 mm	5	2658890000
S-4L-1000/16	16 mm <sup>2</sup>	80 A	56	17.80 mm	5	2658900000
S-4L+9-1000/10	10 mm <sup>2</sup>	63 A	36	17.80 mm	5	2658910000
S-4L+9-1000/16	16 mm <sup>2</sup>	80 A	48	17.80 mm	5	2658920000

**Accessories  
End cap EK 1**



Type	Qty.	Order No.
END CAP G+S 4L/10	10	2659010000
END CAP G+S 4L/16	10	2659030000

**Feed-in terminals**  
**Fork and Pin design**

- Quick mounting
- Safe contact due to screw clamping
- No special tool required for crimping cable lugs
- Finger safe according to DIN EN 50274
- Universal feed directions (frontal/lateral)



Type	for wire cross-section	Version	Width / Height / Depth	Rated current	Qty.	Order No.
FIT 25 GN	25 mm <sup>2</sup>	Fork	13.5 / 34 / 19.5 mm	101 A	10	2659050000
FIT 25 SN	25 mm <sup>2</sup>	Pin	13.5 / 35.5 / 19.5 mm	101 A	10	2659060000
FIT 50 GN	50 mm <sup>2</sup>	Fork	17.8 / 39.7 / 27 mm	150 A	3	2659070000
FIT 50 SN	50 mm <sup>2</sup>	Pin	17.8 / 39.7 / 27 mm	150 A	3	2659080000
FIT 50 GN/F	50 mm <sup>2</sup>	Fork	17.8 / 39.7 / 27 mm	150 A	3	2659090000
FIT 50 SN/F	50 mm <sup>2</sup>	Pin	17.8 / 39.7 / 27 mm	150 A	3	2659100000

**Accessories**

**Protection Cover for fork and pin suitable for busbars**

- Busbar type: 1 - 4 phase fork and pin
- Module width (step): 17.6 - 18 mm (individually detachable)



Type	Qty.	Order No.
PROTECTION COVER G+S /5	10	2659040000

## **Weidmüller – Your partner in Industrial Connectivity**

As experienced experts we support our customers and partners around the world with products, solutions and services in the industrial environment of power, signal and data. We are at home in their industries and markets and know the technological challenges of tomorrow. We are therefore continuously developing innovative, sustainable and useful solutions for their individual needs. Together we set standards in Industrial Connectivity.

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