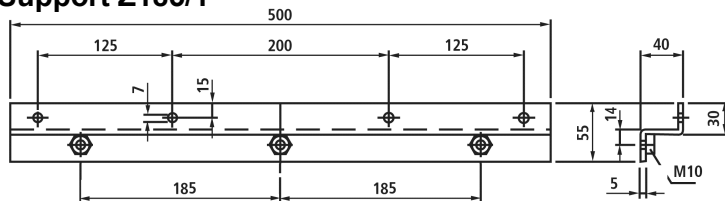


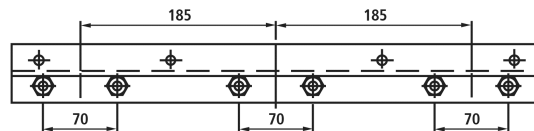
Bus bar support Z



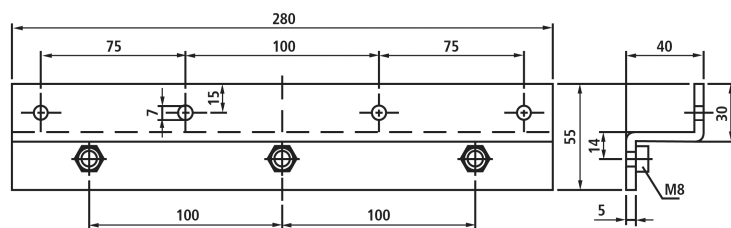
Support Z185/1



Support Z185/2 (2 x M10 each phase)



Support Z100



General information

Characteristics of the raw material (GFK-profile, hot hardened)

- Temperature range	-40 °C to +130 °C
- Operating AC voltage	1000 V
- Continuous current	L/Z 280 mm 2500 A L/Z 500 mm 4000 A
- Phase clearance	L/Z 280 mm 100 mm L/Z 500 mm 185 mm
- Dimensional stability	DIN 53462 °C > 200
- Natural density	DIN 53479 gr/cm³ ca. 1.7
- Fire resistance	UL 94 HB
- Discharge resistance	DIN 53481 kV/cm 10
- Resistance voltage tracking	DIN IEC 112 CTI 600
- Specific flow resistance	DIN 53482 Ohm x cm 1012

All bus bars are type tested acc. to VDE 0660, part 500

- Torque for M10: approx. 4.5 Nm
- Copper bus bar 10 mm thick made of copper F30 not nickel-plated

Type-tested according IEC 61439-2:2011-08, EN 61439-2:2012-06 with practically relevant fixing points and supporting widths.

Type	PU [pcs]	Art.-group	Length [mm]	Profile [mm]	Bore [mm]	Thread	Color
Z100	1	Z	280	30/40/30	7	M8	grey
Z185/1	1	Z	500	30/40/30	7	M10	grey
Z185/2	1	Z	500	30/40/30	7	M10	grey

Short-circuiting resistance of the lateral bus bar support type L100 and Z185/2

Type	Bus bar per phase	Distance between phases [mm]	Supporting width [mm]	Rated surge current I_{pk} [kA]	Rated short-time current [kA / 1 sec.]
Z100 / 1 x M8	1 x 30 mm x 10 mm	100	300	105	50
Z185/2 / 2 x M10	1 x 100 mm x 10 mm	185	400	176	60