

1000V 100A

Inserts



Combination with hinged frame and other modules possible.

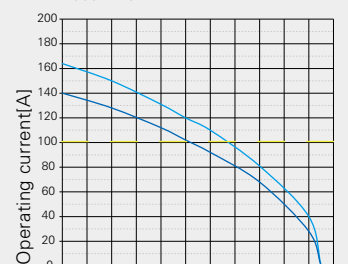
Technical characteristics

Specifications	DIN EN 60 664 DIN EN 61 984		
Approvals	   		
Inserts	Contacts		
Number of contacts	2	Material	copper alloy
Electrical data acc. to EN 61 984		Surface	hard-silver plated
-Rated current	100A	Contact resistance	0.3mΩ
-Rated voltage	1000V	For stranded wire according	
-Rated impulse voltage	8kV	to IEC 60 228 Class 5	
-Pollution degree	3	Screw terminal	10-35mm ²
Rated voltage acc. to UL	600V	- Wire gauge	6-2
Insulation resistance	≥ 10 ¹⁰ Ω	- AWG	SW 4
Material	polycarbonate	- Hexagonal driver	13mm
Limiting temperatures	-40°C ...+125°C	- Stripping length	
Flammability acc. to UL 94	V0	- Tightening torque	10 16 25 35
Mechanical working life		-mm ²	6 6 7 8
- mating cycles	≥ 500	-Nm	

Current carrying capacity

The current carrying is limited by maximum temperature of materials for inserts and contacts including terminals

Control and test procedures according to
DIN EN 60512-5



Ambient temperature[°C]

— 24 B hoods/housings with 3 modules,

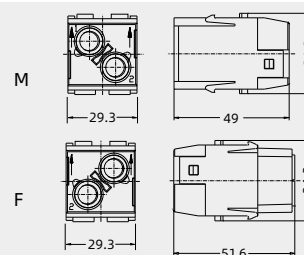
wire gauge: 35mm²

- 24 B hoods/housings with 3 modules,
wire gauge: 25mm²

Axial screw terminal¹⁾



Insert	Wire gauge	Designation	Order No.
Male	10-25mm ²	H2MK-002.1-M (10-25mm ²)	129 002 011 0101
	16-35mm ²	H2MK-002.2-M (16-35mm ²)	129 002 011 0102
Female	10-25mm ²	H2MK-002.1-F (10-25mm ²)	129 002 021 0101
	16-35mm ²	H2MK-002.2-F (16-35mm ²)	129 002 021 0102



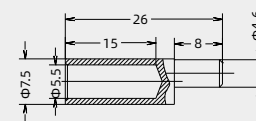
Accessories

Cable shoe 16mm²



Description	Designation	Order No.
for PE extension	PE-E16 ²⁾	198 002 006 0014

2) Use of PE pin is shown in P10-08.

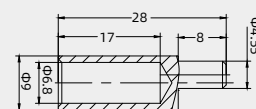


Cable shoe 25mm²



Description	Designation	Order No.
for PE extension	PE-E25 ²⁾	198 002 006 0020

2) Use of PE pin is shown in P10-08.
Suitable for metal frame: HFXB-NUA2/HFXB-NLA2

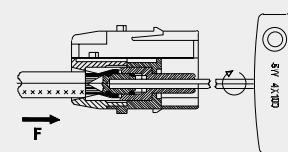


Tool

hexagonal driver



Description	Designation	Order No.
for axial setscrew with grip	SW-4*150	198 001 003 0001



1) See P00-12~00-13 for the structural characteristics and description of Axial screw terminal.