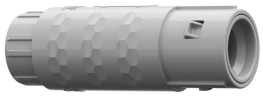
S3BMFG-P10MFH9-9070

ODU MEDI-SNAP®

Straight push-pull plug for, High voltage

Size: 3.5, IP68, Keying: F, Number of contacts: 10, Solder cup, Contact type: Pins



Basic information

Part number	S3BMFG-P10MFH9-9070
Category	Connector
Type of connector	Plug
Assembly situation	Straight
Size	3.5

Contact insert description

Special features	High voltage , IEC 60601-1 (2 MOPP & 2 MOOP)
Number of contacts	10
Contact type	Pins
Contact diameter	0.7 mm
Termination type	Solder cup
Termination diameter	1.1 mm
Wire cross section AWG	AWG 20

Technical information

Nominal current single contact	7.5 A	
Max. current insert	4.1 A	IEC 512-3 / VDE 0298 T4
Test voltage	1625 V	DIN EN IEC 60664-1:2022-07
Operating voltage	450 AC/DC	DIN EN IEC 60664-1:2022-07
Max. creepage distance (contact to contact)	1.2 mm	
Max. clearance distance (contact to contact)	1.2 mm	

Cable description

Cable outlet	Back nut
Min. cable diameter	7.6
Max. cable diameter	9

Mechanical and environmental data

Locking principle	Push-Pull
Keying	F
Mating cycles	5000
IP class	IP68
Max. operating temperature	120 °C
Min. operating temperature	-50 °C

*mated & unmated condition

Material and surface treatments

Material	PEI gray
Insulator material	PEEK
Color option (Front or back nut)	Gray

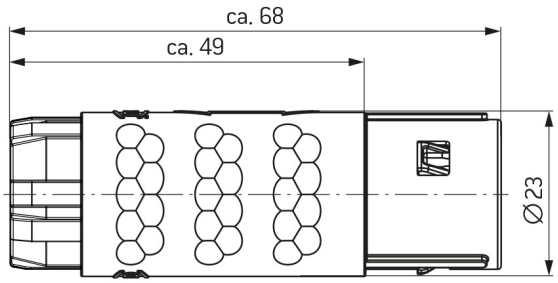
Insulator materials MEDI-SNAP®

	Standard	PEEK
Flammability rating	UL 94	V-0/1.5
Operation temperature		-50 to +250 °C
Dielectric strength	IEC 60243-1:2013 (VDE 0303-21:2014)	19 kV/mm
Comparative figure of the creep resistance CTI	IEC 60112: 2009 (VDE 0303-11:2010)	175
Water absorption	ASTM D 570:1998 / ISO 62:2008	0.1 %
Insulation resistance	IEC 60512-3-1:2002 (DIN EN 60512-3-1:2003-01)	$> 1 \times 10^{12}\ \Omega$

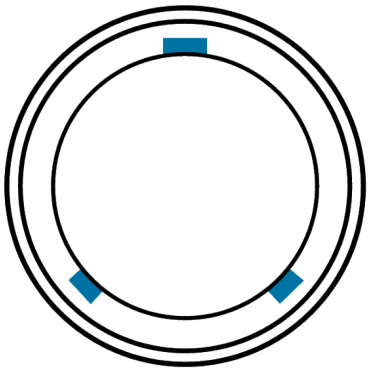
*this applies to the entire connector

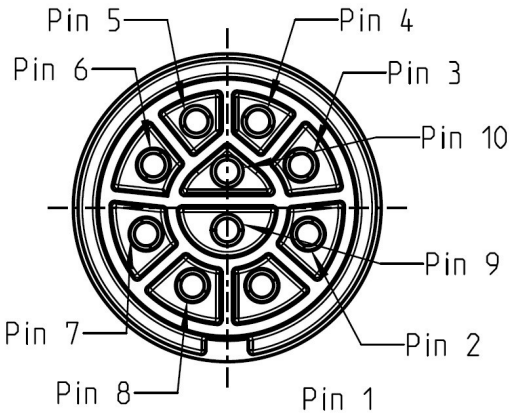
Graphics and technical drawings

DIMENSIONS:



CODING: 90°





Further technical information and downloads

3D-File (STP File)