

straight_push_pull_plug; operating_voltage: 1_kv_ac; nominal_voltage: 80_a

size: 3.5, IP50, keying: f, number_of_contacts: 1, crimp, contact_type: pins



Basic information

Part number	S1BMFG-U01CA00-0270
Category	connector
Type of connector	plug
Assembly situation	straight
Size	3.5

Contact insert description

Special features	high_power , high_current , high_voltage
Number of contacts	1
Contact type	pins
Contact diameter	6 mm
Termination type	crimp
Termination diameter	5.5 mm
Wire cross section AWG	AWG 4
Wire cross section mm ²	16 mm ²

Technical information

Max. current single contact	80 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Test voltage	6.600 V	DIN EN 61984:2009
Operating voltage	1000 V AC	DIN EN 61984

safety_text_hv

Cable description

Cable outlet	back_nut
Min. cable diameter	9.1
Max. cable diameter	10.5

Mechanical and environmental data

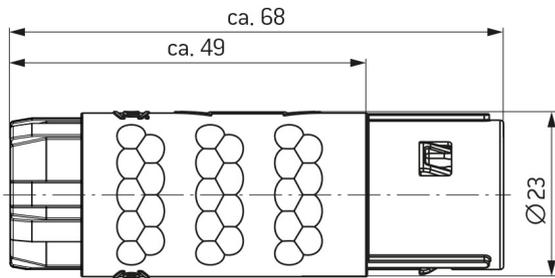
Locking principle	push_pull
Keying	f
Mating cycles	5.000
IP class	IP50
Max. operating temperature	125 °C
Min. operating temperature	-50 °C
Weight	32.4 g

Material and surface treatments

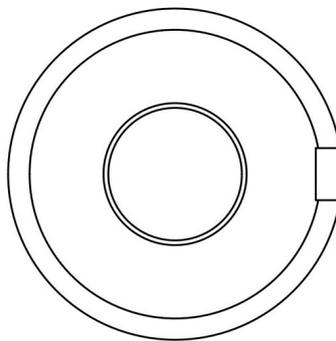
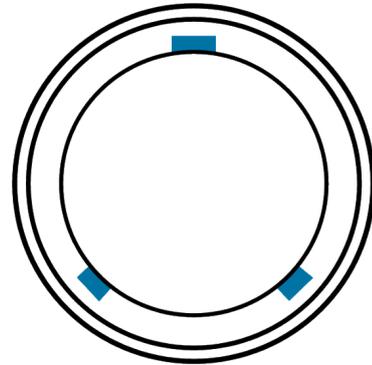
Material	pei_gray
Contact material	silver
Color option (Front or back nut)	gray

Graphics and technical drawings

DIMENSIONS:



CODING: 90°



Further technical information and downloads

[3D-File \(STP File\)](#)

[Assembly Instruction](#)