



Basic information

Part number	S20LOC-MD2MFG9-420S
Category	connector
Type of connector	plug
Assembly situation	straight

Contact insert description

Special features	data_transmission
Transmission type	SPE 10GBase-T1 (10 Gbit/s)
Number of contacts	2
Contact type	pins
Contact diameter	0.7 mm
Termination type	solder_cup
Termination diameter	0.85 mm
Wire cross section AWG	AWG 22

Technical information

Nominal current single contact	7.5 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Max. current insert	7.5	VDE 0298-4:2003
Test voltage	0.9 kV AC	SAE AS 13441:1998 method 3001.1
Max. creepage distance (contact to contact)	0.7 mm (Contact to housing)	
Max. creepage distance (contact to housing)	0.6 mm (Contact to housing)	
Max. clearance distance (contact to contact)	0.7 mm (Contact to contact)	
Max. clearance distance (contact to housing)	0.6 mm (Contact to housing)	

Cable description

Cable outlet	cable_bend_relief
Min. cable diameter	3
Max. cable diameter	4.2

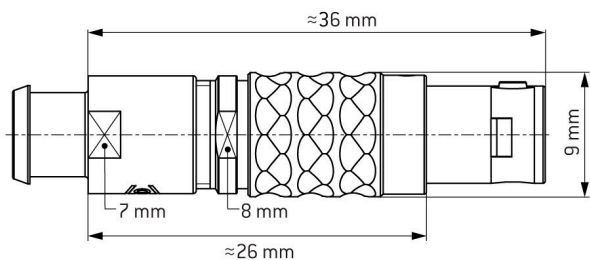
Mechanical and environmental data

Locking principle	push_pull
Mating cycles	5.000
IP class	IP50
Max. operating temperature	120 °C
Min. operating temperature	-40 °C
Weight	14.36 g

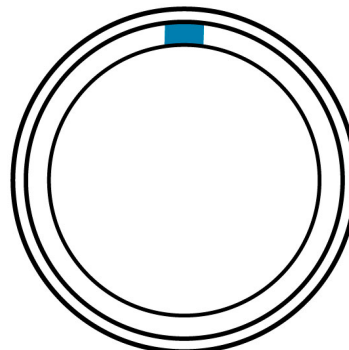
Material and surface treatments

Material	cu_alloy_with_matt_chrome_finish
Contact material	cu_alloy_with_gold_finish

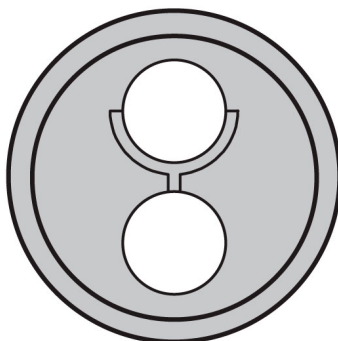
DIMENSIONS



CODING: 0 °



POSITIONS: 2 Positions



Further technical information and downloads

Connection diagram

[connection_diagram_02_pin_spe_1gbits_iec](#)

[Assembly Instruction](#)

[Technical specifications](#)