

Basic information

Part number	S31BAC-P06MFG0-6000
Category	connector
Type of connector	plug
Assembly situation	straight
Size	6b86b2

Contact insert description

Transmission type	Signal
Number of contacts	6
Contact type	pins
Contact diameter	ec72e6
Termination type	solder_cup
Termination diameter	08561d
Wire cross section AWG	374cb3

Technical information

Max. current single contact	4232cc	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Max. current insert	5.625	VDE 0298-4:2003
Test voltage	1 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)	1.0 mm (Contact to housing)	
Max. clearance distance (contact to contact)	0.7 mm (Contact to contact)	
Max. clearance distance (contact to housing)	1.0 mm (Contact to housing)	

Cable description

Cable outlet	back_nut
Min. cable diameter	5.5
Max. cable diameter	6

Mechanical and environmental data

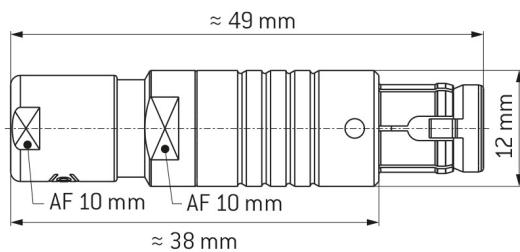
Locking principle	push_pull
Keying	coding_30°
Mating cycles	9e1839
IP class	IP68
Max. operating temperature	120 °C
Min. operating temperature	-40 °C
Weight	19.78 g

ip_protection_class_refers_to_mated_condition

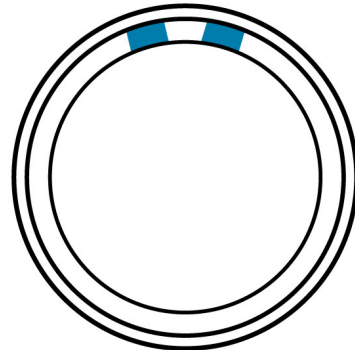
Material and surface treatments

Material	cu_alloy_with_matt_chrome_finish
Contact material	gold

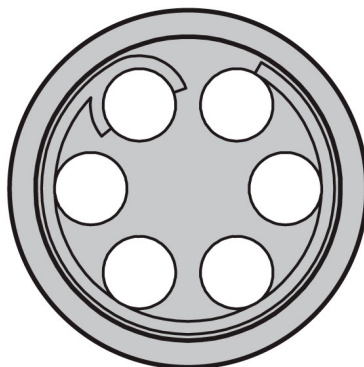
DIMENSIONS:



CODING: 30°



POSITIONS: 6 Positions



Further technical information and downloads

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

[Assembly Instruction](#)