

receptacle_with_break_away_and_push_pull_locking_for_front_and_rear_panel_mounting_with_cable_outlet

size: 1, IP50, keying: a, number_of_contacts: 6, solder_cup, contact_type: pins, Signal


Basic information

Part number	G51LAC-P06MFG0-0000
Category	connector
Type of connector	receptacle
Assembly situation	front_panel_mounting, rear_panel_mounting
Size	1

Contact insert description

Transmission type	Signal
Number of contacts	6
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	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)	

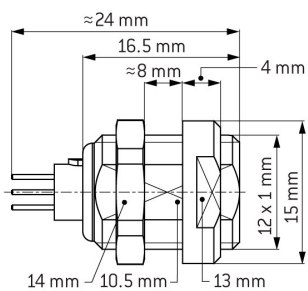
Mechanical and environmental data

Locking principle	break_away , push_pull
Keying	a
Mating cycles	5000
IP class	IP50
Max. operating temperature	120 °C
Min. operating temperature	-40 °C
Tightening torque	2.5 Nm

Material and surface treatments

Material	cu_alloy_with_matt_chrome_finish
Insulator material	peek
Contact material	cu_alloy_with_gold_finish

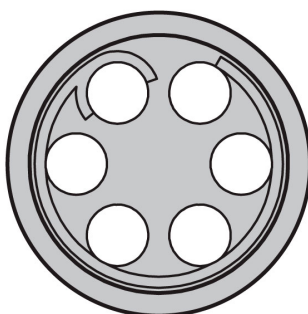
DIMENSIONS



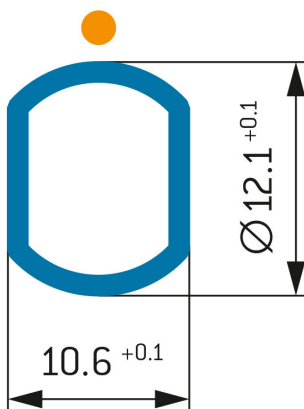
CODING: 30°



POSITIONS: 6 Positions



PANEL CUT OUT:



Further technical information and downloads

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

[Technical specifications](#)