

receptacle_with_break_away_and_push_pull_locking_for_rear_panel_mounting

size: 1, IP6K8 / IP6K9K, keying: b, number_of_contacts: 8, pcb, contact_type: sockets, Ethernet/IP® [1 Gbit/s]



Basic information

Part number	G81YBR-PD8UC00-000L
Category	connector
Type of connector	receptacle
Assembly situation	rear_panel_mounting
Size	6b86b2

Contact insert description

Special features	data_transmission
Transmission type	Ethernet/IP® [1 Gbit/s]
Number of contacts	8
Contact type	sockets
Contact diameter	88d6d3
Termination type	pcb
Termination diameter	88d6d3

Technical information

Max. current single contact	2f071a	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Max. current insert	3.25	VDE 0298-4:2003
Test voltage	1 kV AC	EIA-364-20F:2019-02

Mechanical and environmental data

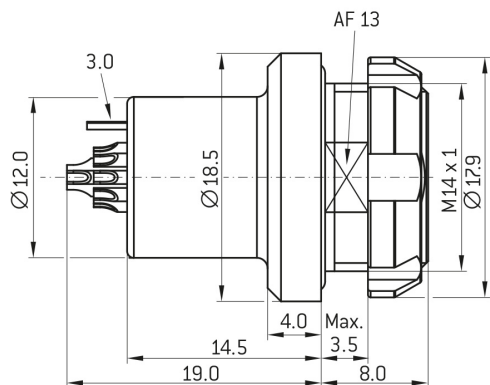
Locking principle	break_away , push_pull
Keying	b
Mating cycles	9e1839
IP class	IP6K8 / IP6K9K
Max. operating temperature	125 °C
Min. operating temperature	-51 °C
Tightening torque	3 Nm
Weight	8.42 g

ip_protection_class_refers_to_mated_condition

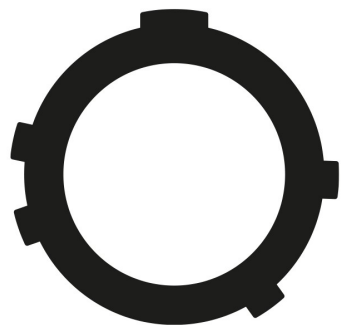
Material and surface treatments

Material	aluminum_with_ruthenium_finish
Contact material	gold

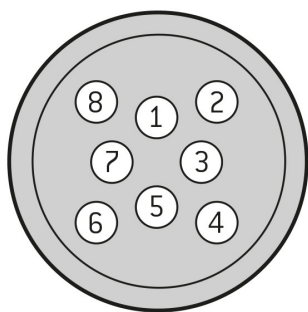
DIMENSIONS:



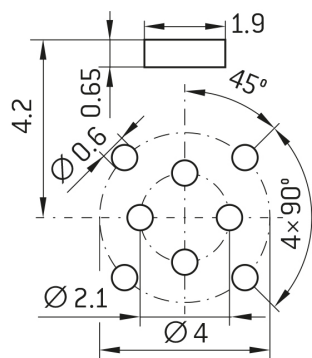
CODING: B



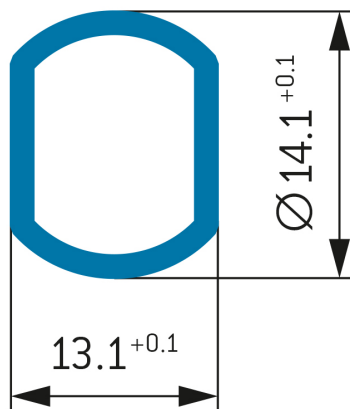
POSITIONS: 8 positions



PCB-LAYOUT:



PANEL CUT OUT:



Further technical information and downloads

Connection diagram	connection_diagram_8_pin_ethernet_1gbs_10gbs_rj45
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[3D-File \(STP File\)](#)

Assembly Instruction
