

straight_break_away_plug_for_bend_relief

size: 1, IP6K8 / IP6K9K, keying: b, number_of_contacts: 8, solder_cup, contact_type: pins, Ethernet/IP® (1 Gbit/s)



Basic information

Part number	A11YBR-PD8XCD0-0000
Category	connector
Type of connector	plug
Assembly situation	straight
Size	6b86b2

Contact insert description

Special features	data_transmission
Transmission type	Ethernet/IP® (1 Gbit/s)
Number of contacts	8
Contact type	pins
Contact diameter	88d6d3
Termination type	solder_cup
Termination diameter	1d7c76
Wire cross section AWG	562f2b

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

Cable description

Cable outlet	overmolding
Min. cable diameter	3.2
Max. cable diameter	6.5

Mechanical and environmental data

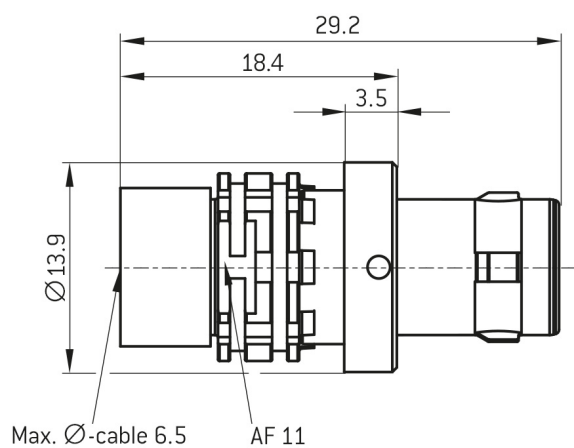
Locking principle	break_away
Keying	b
Mating cycles	0f8eb4
IP class	IP6K8 / IP6K9K
Max. operating temperature	125 °C
Min. operating temperature	-51 °C
Weight	5.31 g

ip_protection_class_refers_to_mated_condition

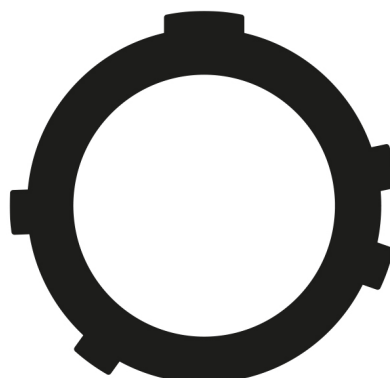
Material and surface treatments

Material	aluminum_with_ruthenium_finish
Insulator material	peek
Contact material	gold

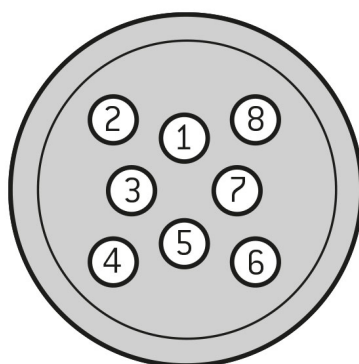
DIMENSIONS:



CODING: B



POSITIONS: 8 positions



Further technical information and downloads

Connection diagram

[connection_diagram_8_pin_ethernet_1gbs_10gbs_rj45](#)

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

[Assembly Instruction](#)