

straight_in_line_receptacle_with_break_away_and_push_pull_locking_for_bend_relief

size: 1.5, IP6K8 / IP6K9K, keying: a, number_of_contacts: 8, solder_cup, contact_type: sockets, Ethernet/IP® (1 Gbit/s)



Basic information

Part number	K1AYAR-PD8WFG0-0000
Category	connector
Type of connector	in_line_receptacle
Assembly situation	straight
Size	1.5

Contact insert description

Special features	data_transmission
Transmission type	Ethernet/IP® (1 Gbit/s)
Number of contacts	8
Contact type	sockets
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 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Max. current insert	4.55	VDE 0298-4:2003
Test voltage	1.2 kV AC	EIA-364-20F:2019-02

Cable description

Cable outlet	overmolding
Min. cable diameter	3.2
Max. cable diameter	8

Mechanical and environmental data

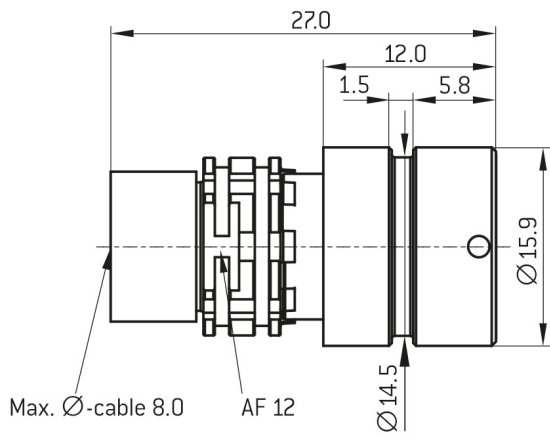
Locking principle	break_away , push_pull
Keying	a
Mating cycles	5.000
IP class	IP6K8 / IP6K9K
Max. operating temperature	125 °C
Min. operating temperature	-51 °C
Weight	9.26 g

ip_protection_class_refers_to_mated_condition

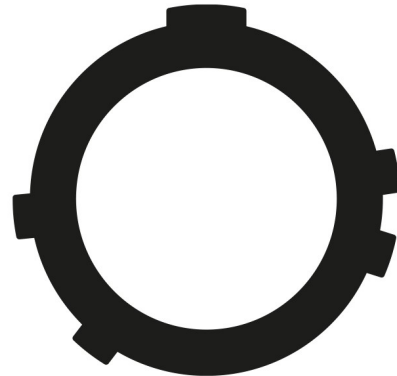
Material and surface treatments

Material	aluminum_with_ruthenium_finish
Contact material	cu_alloy_with_gold_finish

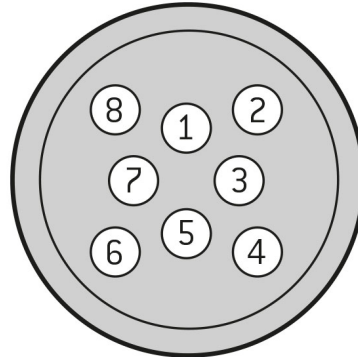
DIMENSIONS:



CODING:A



POSITIONS: 8 positions



Further technical information and downloads

[Connection diagram](#)

[connection_diagram_8_pin_ethernet_1gbs_10gbs_rj45](#)

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

[Assembly Instruction](#)