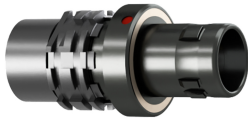


straight_break_away_plug_for_bend_relief

size: 2, IP6K8 / IP6K9K, keying: a, number_of_contacts: 12, solder_cup, contact_type: pins, Ethernet/IP® (1 Gbit/s) + USB® 2.0 (480 Mbit/s)



Basic information

Part number	A12YAR-PDMXFG0-0000
Category	connector
Type of connector	plug
Assembly situation	straight
Size	d4735e

Contact insert description

Special features	data_transmission
Transmission type	Ethernet/IP® (1 Gbit/s) + USB® 2.0 (480 Mbit/s)
Number of contacts	12
Contact type	pins
Contact diameter	ec72e6
Termination type	solder_cup
Termination diameter	08561d
Wire cross section AWG	374cb3

Technical information

Max. current single contact	14bd3c	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Max. current insert	3.85	VDE 0298-4:2003
Test voltage	1.2 kV AC	EIA-364-20F:2019-02

Cable description

Cable outlet	overmolding
Min. cable diameter	5
Max. cable diameter	10

Mechanical and environmental data

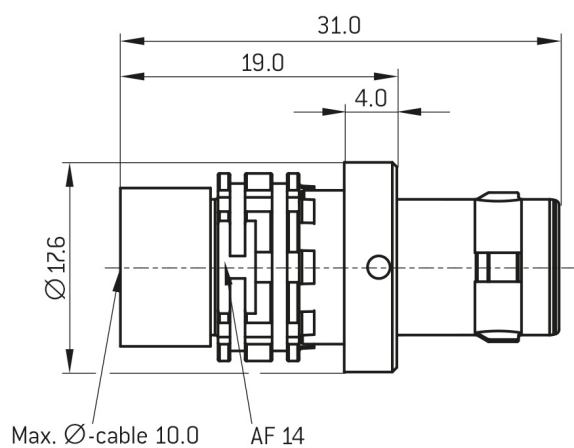
Locking principle	break_away
Keying	a
Mating cycles	0f8eb4
IP class	IP6K8 / IP6K9K
Max. operating temperature	125 °C
Min. operating temperature	-51 °C
Weight	7.3 g

ip_protection_class_refers_to_mated_condition

Material and surface treatments

Material	aluminum_with_ruthenium_finish
Insulator material	peek
Contact material	gold

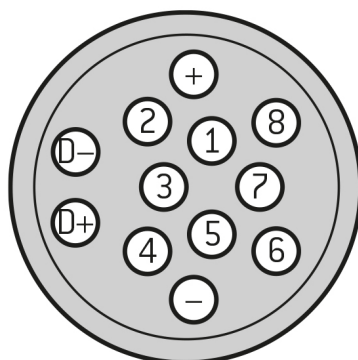
DIMENSIONS:



CODING:A



POSITIONS: 12 positions



Further technical information and downloads

Connection diagram

con_ethernet_1_usb_2

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

[Assembly Instruction](#)