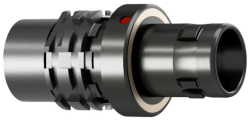
A12YAR-P04XPH0-0000

ODU AMC®

Straight break-away plug for bend relief

Size: 2, IP6K8 / IP6K9K, Keying: A, Number of contacts: 4, Solder cup, Contact type: Pins, Ethernet/IP® (100 Mbit/s)



Basic information

Part number	A12YAR-P04XPH0-0000
Category	Connector
Type of connector	Plug
Assembly situation	Straight
Size	2

Contact insert description

Special features	Data transmission
Transmission type	Ethernet/IP® (100 Mbit/s)
Number of contacts	4
Contact type	Pins
Contact diameter	1.3 mm
Termination type	Solder cup
Termination diameter	1.1 mm
Wire cross section AWG	AWG 20

Reverse gender on request

Technical information

Nominal current single contact	14 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Max. current insert	14	VDE 0298-4:2003
Test voltage	1.200 V	EIA-364-20F:2019-02

All shown connectors are rated to a safety extra low voltage (SELV) of less than 50 V AC / 75 V DC, according to IEC 61140:2016 (VDE 0140-1:2016) Protection against electric shock - Common aspects for installation and equipment. In case other standards rule a specific use of the connector, the application specific safety criteria shall be considered first. In this context, lower voltage ratings may be valid. Warning: Danger to life for operating voltages above 50 V AC / 120 V DC!

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	5000
IP class	IP6K8 / IP6K9K
Max. operating temperature	125 °C
Min. operating temperature	-51 °C
Weight	8.63 g

*IP protection class refers to mated condition

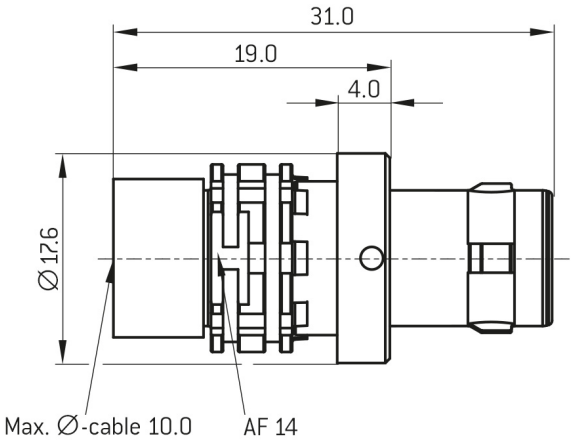
Material and surface treatments

Material	Aluminum with ruthenium finish
Insulator material	PEEK
Contact material	Cu-alloy with gold finish

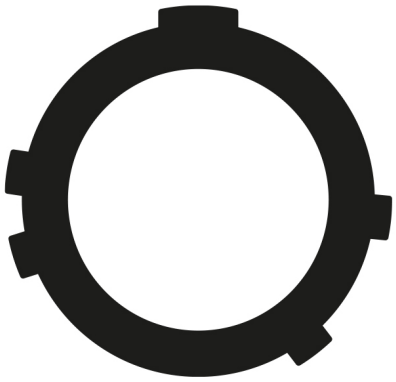
Unless explicitly confirmed otherwise the contact arrangement of an ODU data transmission connector differs from a standard data transmission connector due to the robust ODU specific design. However, the ODU design meets the electrical specifications of the respective standard data transmission protocol.
ODU reserves the right to make changes based on the current state of knowledge without prior notice without being obliged to provide replacement deliveries or refinements of older designs.
All shown connectors are defined without breaking capacity (COC) according to IEC 61984:2008 (VDE 0627:2009).

Graphics and technical drawings

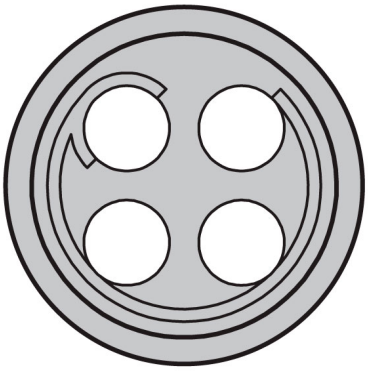
DIMENSIONS:



CODING:A



POSITIONS: 4 Positions



Further technical information and downloads

	Pos.	Color
Connection diagram	1	orange-white
	2	green-white
	3	orange
	4	green

3D-File [STP File]

Assembly Instruction