

Straight push-pull plug for bend relief

Size: 2, IP6K8 / IP6K9K, Keying: A, Number of contacts: 6, Solder cup, Contact type: Pins, Signal



Basic information

Part number	S12YAR-P06XPH0-0000
Category	Connector
Type of connector	Plug
Assembly situation	Straight
Size	2

Contact insert description

Transmission type	Signal
Number of contacts	6
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	10.5	VDE 0298-4:2003
Test voltage	800 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	Push-Pull
Keying	A
Mating cycles	5000
IP class	IP6K8 / IP6K9K
Max. operating temperature	125 °C
Min. operating temperature	-51 °C
Weight	12.31 g

*IP protection class refers to mated condition

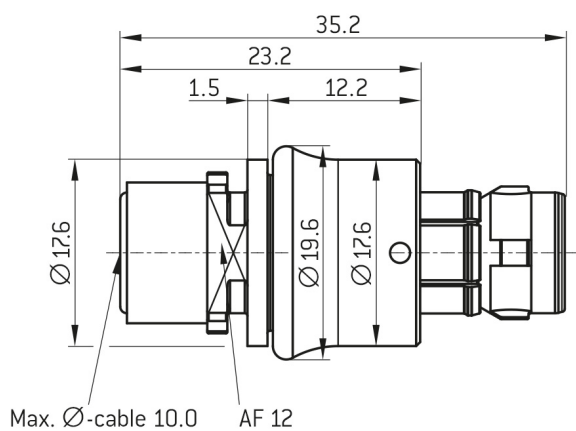
Material and surface treatments

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

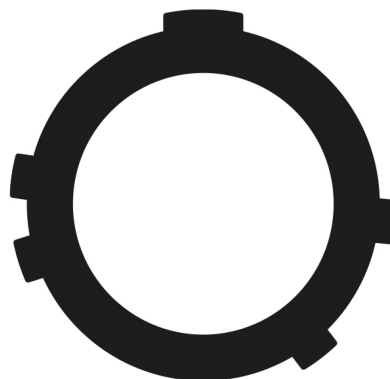
ODU reserves the right to make changes based on the current state of knowledge without prior notice without being obliged to provide replacement deliveries or refinements of older designs.

All shown connectors are defined without breaking capacity (COC) according to IEC 61984:2008 (VDE 0627:2009).

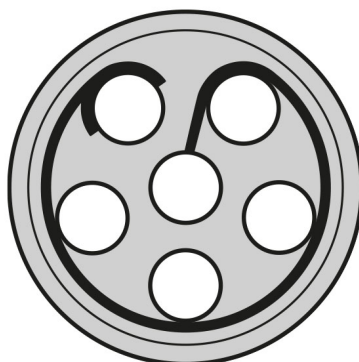
DIMENSIONS:



CODING:A



POSITIONS: 6 positions



Further technical information and downloads

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

[Assembly Instruction](#)