

## Straight plug

### General information

Part number	S12YAR-PD8XJG0-0000
Termination	Solder
Size	2
Locking principle	Push-Pull
Coding	A (light brown)
Cable Diameter	5 – 10.0 mm
Cable outlet	Overmolding



Illustrations may differ from original product.  
Dimensions, unless otherwise specified, in mm.



The pin layout corresponds to the view on the termination area

### Contact insert description

Number of contacts	8
Contact type	Pins
Contact diameter	0.9 mm
Insulator material	PEEK
Wire cross section	AWG 22
Termination	Solder
Termination diameter	0.85 mm
Data transmission	Ethernet (10 Gbit/s)

Reverse gender on request

### Connection diagram

Pos.	Color	Pos.	Color
1	white/green	5	white/blue
2	green	6	blue
3	white/brown	7	white/red
4	brown	8	red

## Technical information

<b>Nominal current single contact</b>	10 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
<b>Nominal current insert</b>	6,5 A	VDE 0298-4:2003
<b>Test voltage</b>	1.5 kV AC	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!

## Mechanical and environmental data

<b>Degree of protection*</b>	IP6K8 / IP6K9K
<b>Operating temperature</b>	-51 °C – 125 °C
<b>Mating cycles</b>	5000

\*mated condition

## Material and surface treatments

<b>Housing</b>	Cu-alloy with ruthenium finish
<b>Contact</b>	Cu-alloy with gold finish

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

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 MEDI-SNAP® and MINI-SNAP® are UL-approved [E110586].

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.