### A10WAM-P12XMM0-0000

### ODU AMC® HD

# Straight plug



### **General information**

Part number	A10WAM-P12XMM0-0000
Termination	Solder
Size	0
Locking principle	Break-Away
Coding	A (light brown)
Cable Diameter	3.2 – 7.0 mm
Cable outlet	Overmolding

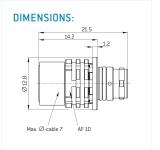


Illustrations may differ from original product.

Dimensions, unless otherwise specified, in mm.







The pin layout corresponds to the view on the termination area

# **Contact insert description**

Number of contacts	12
Contact type	Pins
Contact diameter	10x 0.3 mm. 2x 0.7 mm
Insulator material	PEEK
Wire cross section	AWG 28; AWG 22
Termination	Solder
Data transmission	USB 3.2 Gen 1x1 (5 Gbit/s)

Reverse gender on request

# Connection diagram

Pos.	Description	Pos.	Description
1	D +	6	Tx +
2, 11	shield RX	7	Tx -
3	Rx -	8, 12	shield TX
4	Rx +	9	D -
5	GND -	10	1 VBUS

#### **Technical information**

Nominal current single contact	1 A; 5 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Test voltage	0.75 kV DC	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

Degree of protection*	IP6K8 / IP6K9K
Operating temperature	-51 °C − 125 °C
Mating cycles	5000

<sup>\*</sup>mated condition

#### Material and surface treatments

Housing	Cu-alloy with ruthenium finish
Contact	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.

<code>ODU MEDI-SNAP®</code> and <code>MINI-SNAP®</code> are <code>UL-approved</code> (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.