

**A10WAM-P09XMM0-0000**

ODU AMC® HD

## Straight plug



### General information

Part number	A10WAM-P09XMM0-0000
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	9
Contact type	Pins
Contact diameter	3x 0.3 mm; 6x 0.7 mm
Insulator material	PEEK
Wire cross section	AWG 28; AWG 22
Termination	Solder
Data transmission	USB 2.0 (480 Mbit/s) + Power

Reverse gender on request

### Connection diagram

Pos.	Signal
1, 2, 3, 5, 6, 7	Power
8, 9	USB 2.0 (D+, D-)
4	Discrete

## Technical information

<b>Nominal current single contact</b>	1 A; 5 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
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<b>Test voltage</b>	0.75 kV DC	EIA-364-20F:2019-02
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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.