ODU AMC® HIGH-DENSITY REAR PANEL **MOUNT RECEPTACLE, SIZE 0, IP6K8 /** IP6K9K, 12 CONTACTS, A (LIGHT **BROWN) KEY**



A PERFECT ALLIANCE.

GK0WAM-P12WMM0-000L Part number

Rear panel mount receptacle Type of connector

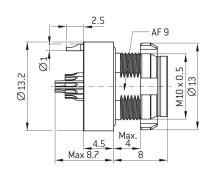
Size Size 0

12 **Number of contacts**

A (light brown) Keying



DIMENSIONS:









Contact Insert Description

Number of contacts 12

Contact type Sockets

10x 0.3 mm. 2x 0.7 mm Contact diameter

PEEK Insulator material

Wire cross section 22 AWG; 28 AWG

Termination type Soldercup

Data transmission USB 3.2 Gen 1x1 (5 Gbit/s)

Reverse gender on request

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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 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

Degree of protection* IP6K8 / IP6K9K Operating temperature -51°C - 125°C

Mating cycles 5000

*mated condition

Material and Surface Treatments

Housing Cu-alloy with ruthenium finish
Contact Cu-alloy with gold finish

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General information

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

The respective selected ODU connectors with data transfer functionality can transmit common data transmission such as HDMI[®] 2.0, USB[®] 3.2 Gen 1x1, FireWire[®] and eSATA[®], but they are not HDMI[®]-, USB[®]-, FireWire[®]- and eSATA[®]-standard connectors.

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.