ODU MEDI-SNAP[®] REAR PANEL MOUNT RECEPTACLE, SIZE 1, IP68, 6 CONTACTS, 40° KEY



Part number
 GA1MA7-P06LFD0-0000

Type of connector
 Rear panel mount receptacle

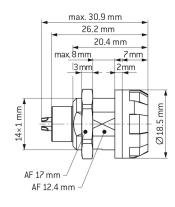
• **Size** 1

Number of contacts

Keying 40°



DIMENSIONS:









Contact Insert Description

Number of contacts 6

Contact type Sockets
Contact diameter 0.7 mm
Insulator material PEEK
Wire cross section 26 AWG
Termination type Solder
Termination diameter 0.65 mm

Reverse gender on request

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Technical information

Max. creepage and air clearance 0.85 mm distance (Contact

(Contact to contact)

Nominal current single contact 6.0 A IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)

Nominal current insert (per 4.5 A VDE 0298-4:2003

individual contact)

Test voltage 1.6 kV DC SAE AS 13441:1998 method 3001.1

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* IP68

Operating temperature -50°C - 120°C

Mating cycles 5000

*IP64 mated with style 4 connector; IP67 mated with Break-Away Plug style 5 in potted/overmolded version; IP68 unmated

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Insulator Materials MEDI-SNAP®

Standard Housing - PSU Insulator - PEEK

Flammability rating UL 94 V-0/4.5 V-0/1.5

Operation temperature -50 to +170°C -50 to +250°C

Dielectric strength IEC 60243-1:2013 (VDE 17 kV/mm 19 kV/mm

0303-21:2014)

Comparative figure of the IEC 60112: 2009 (VDE 150 175

creep resistance CTI 0303-11:2010)

ASTM D 570:1998 / ISO 0.3 % Water absorption 0.1 %

62:2008

> 200 cycles Sterilization (autoclaving) DIN EN 13060:2019-02 ~ 20 cycles $> 1 \times 10^{12} \Omega$

Insulation resistance IEC 60512-3-1:2002

(DIN EN

60512-3-1:2003-01)

Material and Surface Treatments

PSU grav Housing

Contact Cu-alloy with gold finish

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 MEDI-SNAP® and MINI-SNAP® is 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.