ODU MEDI-SNAP[®] IN-LINE RECEPTACLE FOR CABLE BEND RELIEF, SIZE 1, IP50, 2 CONTACTS, 40° KEY



Part number
 K21MA7-P02LPH0-527S

Type of connector
 In-line receptacle for cable bend

relief

• **Size** 1

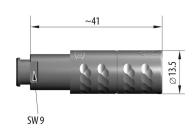
Number of contacts

• Keying 40°

• Cable diameter 4 - 5.2 mm



DIMENSIONS







Contact Insert Description

Number of contacts 2

Contact type Sockets
Contact diameter 1.3 mm
Insulator material PEEK
Wire cross section 20 AWG
Termination type Solder
Termination diameter 1.1 mm

Reverse gender on request

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Technical information

Max. creepage and air clearance 1.3 mm

distance (Contact to

contact)

Nominal current single contact 12.0 A IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)

Nominal current insert (per 12.0 A VDE 0298-4:2003

individual contact)

Test voltage 1.9 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* IP50

Operating temperature -50°C - 120°C

Mating cycles 5000

*mated & unmated condition

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)

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

62:2008

Sterilization (autoclaving) DIN EN 13060:2019-02 ~ 20 cycles > 200 cycles

Insulation resistance IEC 60512-3-1:2002 $> 1 \times 10^{12} \Omega$

(DIN EN

60512-3-1:2003-01)

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Material and Surface Treatments

Housing PSU gray

Color options Gray

Contact Cu-alloy with gold finish

General information

This product requires the purchase of a cable bend relief.

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.