# ODU MEDI-SNAP<sup>®</sup> STRAIGHT PLUG FOR CABLE BEND RELIEF, SIZE 1, IP50, 6 CONTACTS, 40° KEY



Part number
 S21MA7-P06MFD0-657S

• Type of connector Straight plug for cable bend relief

• Size

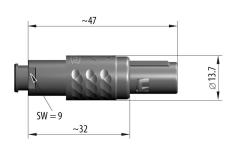
Number of contacts

• Keying 40°

• Cable diameter 5.3 - 6.5 mm



## **DIMENSIONS**







# **Contact Insert Description**

Number of contacts 6
Contact type Pins
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 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\* IP50

Operating temperature -50°C - 120°C

Mating cycles 2000

\*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.