# ODU MEDI-SNAP® STRAIGHT PLUG, SIZE 1, IP50, 2 CONTACTS, 40° KEY



Part numberS11MA7-P02MPH0-5250

Type of connector Straight plug

• Size

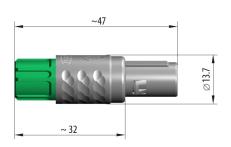
Number of contacts 2

• Keying 40°

• Cable diameter 4 - 5.2 mm



### **DIMENSIONS**







## **Contact Insert Description**

Reverse gender on request

Number of contacts 2
Contact type Pins
Contact diameter 1.3 mm
Insulator material PEEK
Wire cross section 20 AWG
Termination type Solder
Termination diameter 1.1 mm

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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

-50°C - 120°C Operating temperature

Mating cycles 2000

\*mated & unmated condition

### Insulator Materials MEDI-SNAP®

		Standard	Housing - PSU	Insulator - PEEK
 	_			

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

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

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

0303-21:2014)

Comparative figure of the IEC 60112: 2009 (VDE 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  $> 1 \times 10^{12} \Omega$ 

Insulation resistance IEC 60512-3-1:2002

(DIN EN

60512-3-1:2003-01)

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#### **Material and Surface Treatments**

Housing PSU gray
Color options Green

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<sup>®</sup> 2.0, USB<sup>®</sup> 3.2 Gen 1x1, FireWire<sup>®</sup> and eSATA<sup>®</sup>, but they are not HDMI<sup>®</sup>-, USB<sup>®</sup>-, FireWire<sup>®</sup>- and eSATA<sup>®</sup>-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.