# ODU MINI-SNAP<sup>®</sup> SERIES B STRAIGHT PLUG, SIZE 1, IP68, 7 CONTACTS, 30° KEY



Part number
 S31BAC-P07MFG0-5000

• Type of connector Straight plug

• Size

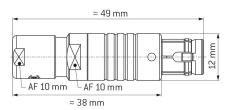
Number of contacts 7

• Keying 30°

• Cable diameter 4.5 - 5 mm



### **DIMENSIONS:**







## **Contact Insert Description**

Number of contacts 7
Contact type Pins
Contact diameter 0.7 mm
Insulator material PEEK
Wire cross section 22 AWG
Termination type Solder
Termination diameter 0.85 mm

Reverse gender on request

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#### **Technical information**

Max. creepage and air clearance 0.7 mm 0.7 mm (Contact to housing)

distance (Contact to

contact)

Nominal current single contact 7.5 A IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)

Nominal current insert (per 4.9 A VDE 0298-4:2003

individual contact)

Test voltage 1.0 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 -40°C - 120°C

Mating cycles 5000

\*mated condition

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

Housing Cu-alloy with matt chrome finish

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.