ODU MEDI-SNAP® STRAIGHT PLUG, SIZE 2, IP64, 16 CONTACTS, 60° KEY

ODU
A PERFECT ALLIANCE.
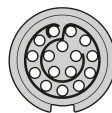
- **Part number**   A52MC7-016MFG0-0000
- **Type of connector** Straight plug
- **Size**   2
- **Number of contacts** 16
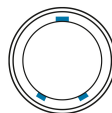- **Keying**   60°

DIMENSIONS:

30

Ø 19
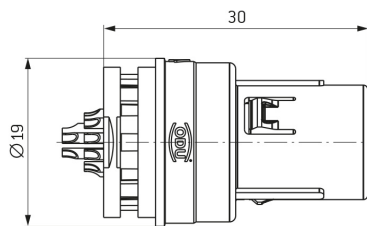
POSITIONS: 16 positions

CODING: 60°

Contact Insert Description

Number of contacts	16
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 distance	0.5 mm (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 individual contact)	3.8 A	VDE 0298-4:2003
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*	IP64
Operating temperature	-50°C - 120°C
Mating cycles	2000
*mated condition	

Insulator Materials MEDI-SNAP®

	Standard	Housing and insulator - PSU
Flammability rating	UL 94	V-0/4.5
Operation temperature		−50 to +170°C
Dielectric strength	IEC 60243-1:2013 (VDE 0303-21:2014)	17 kV/mm
Comparative figure of the creep resistance CTI	IEC 60112: 2009 (VDE 0303-11:2010)	150
Water absorption	ASTM D 570:1998 / ISO 62:2008	0.3 %
Sterilization (autoclaving)	DIN EN 13060:2019-02	~ 20 cycles
Insulation resistance	IEC 60512-3-1:2002 (DIN EN 60512-3-1:2003-01)	$> 1 \times 10^{12}$ Ω

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Material and Surface Treatments

Housing	PSU gray
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.