## S11MC7-P02MPH0-6580

# ODU MEDI-SNAP®



# Straight plug

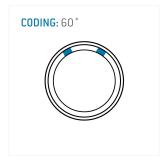
## **General information**

Part number	S11MC7-P02MPH0-6580
Termination	Solder
Size	1
Locking principle	Push-Pull
Coding	C (60°)
Cable Diameter	5.3 – 6.5 mm



 Cable outlet
 Back nut
 Illustrations may differ from original product.

 Dimensions, unless otherwise specified, in mm.







The pin layout corresponds to the view on the termination area

# **Contact insert description**

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

Reverse gender on request

# **Technical information**

Max. creepage and air clearance distance	1.3 mm (Contact to contact)	IEC 60601-1: 2M0PP, 2M00P*
Nominal current single contact	12 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Nominal current insert	12 A	VDE 0298-4:2003
Test voltage	1.4 kV AC	EIA-364-20F:2019-02

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

<sup>\*</sup>mated & unmated condition

### Insulator materials MEDI-SNAP®

	Standard	PEEK
Flammability rating	UL 94	V-0/1.5
Operation temperature		-50 to +250 °C
Dielectric strength	IEC 60243-1:2013 (VDE 0303-21:2014)	19 kV/mm
Comparative figure of the creep resistance CTI	IEC 60112: 2009 (VDE 0303-11:2010)	175
Water absorption	ASTM D 570:1998 / ISO 62:2008	0.1 %
Sterilization (autoclaving)	DIN EN 13060:2019-02	> 200 cycles
Insulation resistance	IEC 60512-3-1:2002 (DIN EN 60512-3-1:2003-01)	$> 1 \times 10^{12} \Omega$

### Material and surface treatments

Housing	PSU gray
Color option	Black
Contact	Cu-alloy with gold finish

All shown connectors are defined without breaking capacity (COC) according to IEC 61984:2008 (VDE 0627:2009). ODU MEDI-SNAP® and MINI-SNAP® are 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.

<sup>\*</sup>As per IEC 60601-1:2012 (VDE 0750-1:2013-12) if a matching 2M0PP/2M00P receptacle is selected. Max working voltage of the medical electrical device 250 V AC (degree of pollution 2).