S11MA7-P03LJN0-3960

ODU MEDI-SNAP®

Straight push-pull plug

Size: 1, IP50, Keying: A, Number of contacts: 3, Solder cup, Contact type: Sockets



Basic information

Part number	S11MA7-P03LJN0-3960
Category	Connector
Type of connector	Plug
Assembly situation	Straight
Size	1

Contact insert description

Special features	High voltage , IEC 60601-1 (2 MOPP & 2 MOOP)
Number of contacts	3
Contact type	Sockets
Contact diameter	0.9 mm
Termination type	Solder cup
Termination diameter	1.4 mm
Wire cross section AWG	AWG 18

Reverse gender on request

Technical information

Nominal current single contact	10 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Max. current insert	10	VDE 0298-4:2003
Test voltage	mated: 3.5 kV AC; unmated 2.1 kV AC	EIA-364-20F:2019-02
Max. creepage distance (contact to contact)	mated: 4.7 mm; unmated: 2.0 mm (Contact to contact)	
Max. creepage distance (contact to housing)	IEC 60601-1: 2MOPP. 2MOOP*	
Max. clearance distance (contact to contact)	mated: 4.7 mm; unmated: 2.0 mm (Contact to contact)	
Max. clearance distance (contact to housing)	IEC 60601-1: 2MOPP. 2MOOP*	

Caution: Danger to life due to high electrical voltage! Direct or indirect contact with live parts can result in a dangerous current flowing through the body. Electrical shock, burns or death are possible consequences. Improper handling of these electrical connectors endangers your own life and that of other users. Observe the relevant safety standards and the standards applicable to your application!   Attention: Use allowed in environments with pollution degree 2. Double insulation to touchable parts is considered. Electrical data is only valid when mated and correctly assembled according to drawing or data sheet. All applied voltages must have a safe galvanic isolation to earth. Please observe the maximum permitted current and voltage specifications for the connectors!
* 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).

Cable description

Cable outlet	Back nut
Min. cable diameter	2.7
Max. cable diameter	3.9

Mechanical and environmental data

Locking principle	Push-Pull
Keying	A
Mating cycles	2000
IP class	IP50
Max. operating temperature	120 °C
Min. operating temperature	50 °C

*mated & unmated condition

Material and surface treatments

Material	PSU gray
Insulator material	PEEK
Contact material	Cu-alloy with gold finish
Color option (Front or back nut)	Blue

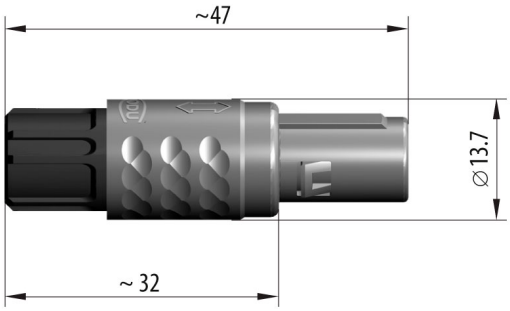
Insulator materials MEDI-SNAP®

	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 x 10^{12} Ω

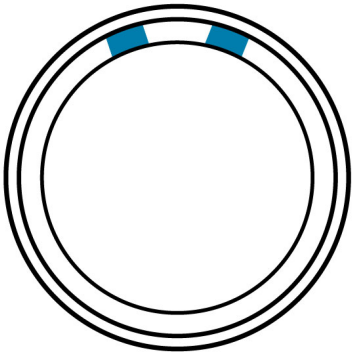
ODU reserves the right to make changes based on the current state of knowledge without prior notice without being obliged to provide replacement deliveries or refinements of older designs.
All shown connectors are defined without breaking capacity (COC) according to IEC 61984:2008 (VDE 0627:2009).

Graphics and technical drawings

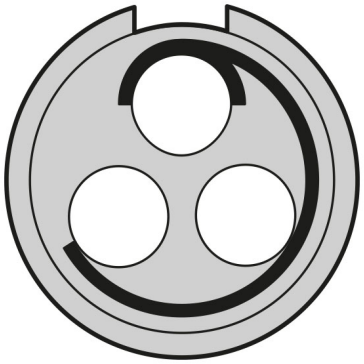
DIMENSIONS



CODING: 40 °



POSITIONS: 3 positions



Further technical information and downloads

[3D-File (STP File)]

[Assembly Instruction]