

Receptacle with break-away and push-pull locking for front panel mounting; High voltage

Size: 2, IP50, Keying: C, Number of contacts: 5, Solder cup, Contact type: Sockets



Basic information

Part number	G12MC7-T05LPQ9-0001
Category	Connector
Type of connector	Receptacle
Assembly situation	Front panel mounting
Size	2

Contact insert description

Special features	High voltage , IEC 60601-1 (1 MOPP & 2 MOPP)
Number of contacts	5
Contact type	Sockets
Contact diameter	0 mm
Termination type	Solder cup
Termination diameter	1.9 mm
Wire cross section AWG	AWG 16

Technical information

Max. current single contact	16 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Max. current insert	12 A	VDE 0298-4:2003
Test voltage	2.1 kV AC	IEC60664-1:2020 (VDE0110-1:2022-07)
Operating voltage	1000 V AC / DC (Pos. 3 & 4)	IEC60664-1:2020 (VDE0110-1:2022-07)
Operating voltage	600 V AC / DC (Pos. 2 & 5)	IEC60664-1:2020 (VDE0110-1:2022-07)
Max. creepage distance (contact to contact)	mated: 9.9-13.6 mm; unmated 3.2 mm (Contact to contact)	
Max. clearance distance (contact to contact)	mated: 9.9-13.6 mm; unmated 3.2 mm (Contact to contact)	

* As per IEC 60601-1:2012 (VDE 0750-1:2013-12). Max working voltage of the medical electrical device 250 V AC (degree of pollution 2).

Mechanical and environmental data

Locking principle	Push-Pull
Keying	C
Mating cycles	5.000
IP class	IP50
Max. operating temperature	120 °C
Min. operating temperature	-40 °C
Weight	5.56 g

Material and surface treatments

Material	PSU gray
Insulator material	PBT
Contact material	Gold
Color option (Front or back nut)	Gray

Insulator materials MEDI-SNAP®

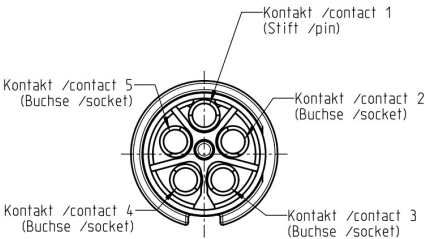
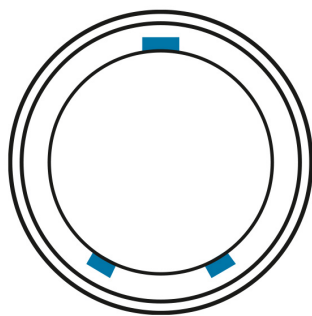
	Standard	PBT
Flammability rating	UL 94	V-0/1.5
Operation temperature		-50 to +180°C
Dielectric strength	IEC 60243-1:2013 (VDE 0303-21:2014)	27 kV/mm
Comparative figure of the creep resistance CTI	IEC 60112: 2009 (VDE 0303-11:2010)	600
Water absorption	ASTM D 570:1998 / ISO 62:2008	0.3 %
Insulation resistance	IEC 60512-3-1:2002 (DIN EN 60512-3-1:2003-01)	$> 1 \times 10^{12} \Omega$

ODU MEDI-SNAP® and MINI-SNAP® are UL-approved (E110586).

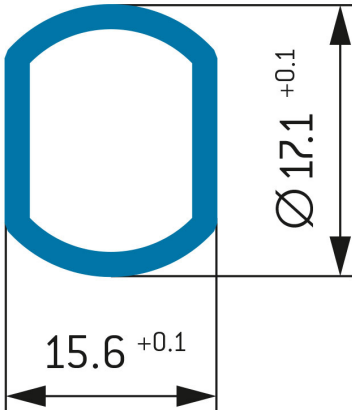
ODU reserves the right to make changes based on the current state of knowledge without prior notice without being obliged to provide replacement deliveries or refinements of older designs.

All shown connectors are defined without breaking capacity (COC) according to IEC 61984:2008 (VDE 0627:2009).

CODING: 60°



PANEL CUT OUT:



Further technical information and downloads

[3D-File \(STP File\)](#)

[Assembly Instruction](#)