

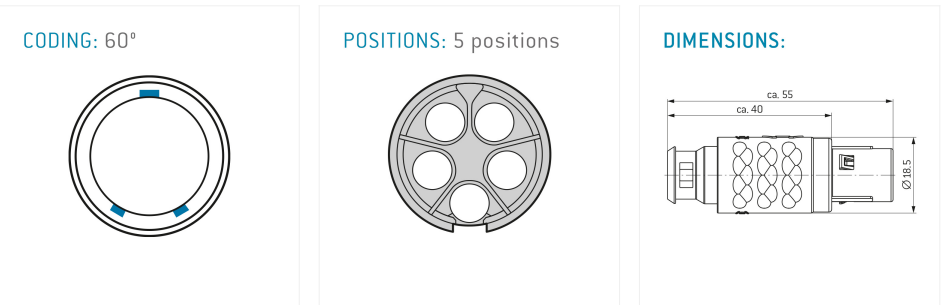
Straight plug for cable bend relief

General information

Part number	S42MC9-T05LPQ9-748S
Termination	Solder
Size	2
Locking principle	Push-Pull
Coding	C (60°)
Cable Diameter	5.4 – 7.4 mm
Cable outlet	Cable bend relief



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	5
Contact type	Sockets
Contact diameter	1.3 mm (1x first mate last break, 2x lagging)
Insulator material	PBT
Wire cross section	AWG 16
Termination	Solder
Termination diameter	1.9 mm

Technical information

Max. creepage and air clearance distance	mated: 9,9-13.6 mm; unmated 3,2 mm (Contact to contact)	IEC 60601-1: 2MOPP, 2MOOP*
Nominal current single contact	16 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Nominal current insert	12 A	VDE 0298-4:2003
Test voltage	mated: 3.5 kV AC; unmated 2.1 kV AC	IEC60664-1:2020 (VDE0110-1:2022-07)

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

Mechanical and environmental data

Degree of protection*	IP64
Operating temperature	-50 °C – 120 °C
Mating cycles	2000

*mated with receptacle style 4

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)	$> 1 \times 10^{12} \Omega$

Material and surface treatments

Housing	PSU orange
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.

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