ODU MEDI-SNAP[®] IN-LINE RECEPTACLE FOR CABLE BEND RELIEF, SIZE 1, IP50, 12 CONTACTS, 0° KEY



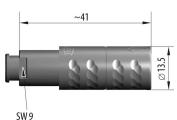
- Part number
 - K21M08-P12LCC9-398S
- Type of connector In-line receptacle for cable bend relief

Size 1

- Size
- Number of contacts 12
- Keying 0°
- Cable diameter
- 2.7 3.9 mm

DIMENSIONS







Contact Insert Description

Number of contacts	12
Contact type	Sockets
Contact diameter	0.5 mm
Insulator material	PEEK
Wire cross section	28 AWG
Termination type	Soldercup
Termination diameter	0.45 mm

Reverse gender on request

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Technical information

Max. creepage and air clearance distance	e 0.5 mm (Contact to contact)	
Nominal current single contact	4 A	IEC 60512-5-2:2002 (DIN EN 60512-5-2:2003)
Nominal current insert (per individual contact)	2,2 A	VDE 0298-4:2003
Test voltage	1,2 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*	IP50
Operating temperature	-50°C - 120°C
Mating cycles	5000
*mated & unmated condition	

Insulator Materials MEDI-SNAP®

Flammability rating Operation temperature	Standard UL 94	Housing - PSU V-0/4.5 –50 to +170°C	Insulator - PEEK V-0/1.5 –50 to +250°C
	IEC 60242 1:2012 ()/DE		19 kV/mm
Dielectric strength	IEC 60243-1:2013 (VDE 0303-21:2014)		19 KV/IIIII
Comparative figure of th	eIEC 60112: 2009 (VDE	150	175
creep resistance CTI	0303-11:2010)		
Water absorption	ASTM D 570:1998 / ISO 62:2008	0.3 %	0.1 %
Sterilization (autoclaving) DIN EN 13060:2019-02	~ 20 cycles	> 200 cycles
Insulation resistance	IEC 60512-3-1:2002 (DIN EN 60512-3-1:2003-01)		> 1 × 10 ¹² Ω

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Material and Surface Treatments

Housing	PSU black
Color options	Black
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.