VS-08-DSIV-L180-HYB SCO - Device connector, rear mounting

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Device connector, rear mounting, Ethernet CAT5 (IEC 11801:2002), 8-position, Socket, straight, M12-SPEEDCON, coding: Y, PCB mounting, M12 x 1, THR solder connection, Alternative product in accordance with RoHS II without Exemption 6c (Pb <0.1%) item no.: 1239824

Technical data

Notes

General	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.

Mounting

Mounting type	PCB mounting M12 x 1
Connection method	THR solder connection
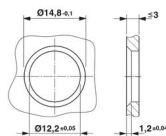
Product properties

Product type	Circular connectors (device side)
Sensor type	Ethernet
Number of positions	8
Shielded	yes
Coding	Y
Thread type	M12

Insulation characteristics	
Degree of pollution	3

Dimensions

Dimensional drawing	
Length of the solder pin	2.3 mm
	2.3 mm

Material specifications

Flammability rating according to UL 94	V0
Seal material	EPDM
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PPA
Material for screw connection	Zinc die-cast, nickel-plated

Electrical properties

Rated surge voltage	0.8 kV

Contact resistance	≤ 3 mΩ
Insulation resistance	> 100 MΩ
Nominal voltage U_N	48 V AC (Power and data)
	50 V DC (Power and data)
Nominal current I_N	0.5 A (Data)
	6 A (Power)
Transmission characteristics (category)	CAT5 (IEC 11801:2002)

Connection data

Conductor connection

Connection method	THR solder connection
Contact connection type	Socket
Tightening torque	1.5 Nm
	2 Nm

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100

Connector

Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON
Coding	Y

Cable/line

Signal type/category	Ethernet CAT5 (IEC 11801:2002)

Environmental and real-life conditions

Ambient conditions

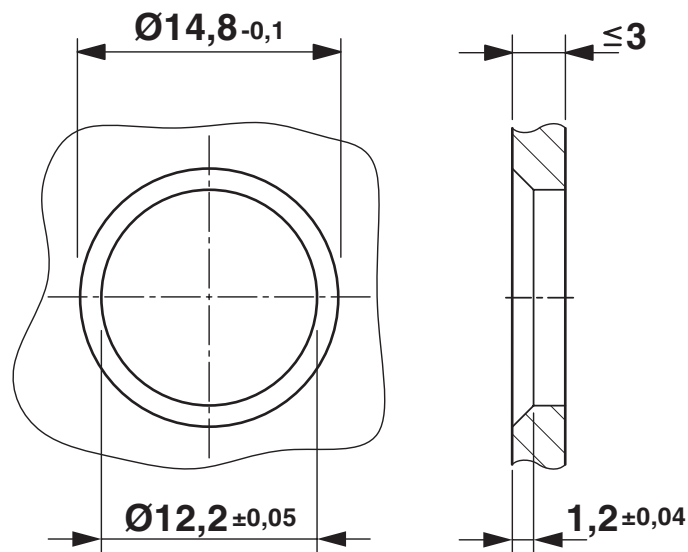|	
Degree of protection	IP67 (When plugged in)
	IP67
Ambient temperature (operation)	-40 °C ... 85 °C

Drawings

Drilling plan/solder pad geometry
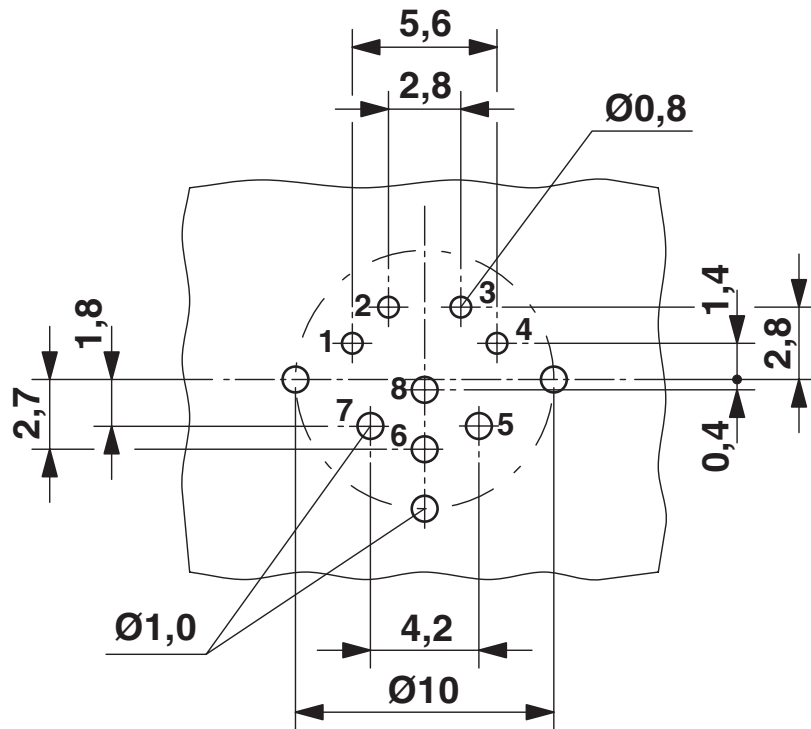
Dimensional drawing

Housing cut-out for two-part M12 flush-type connectors with THR and wave soldering connection, version 1

Schematic diagram

Pin assignment M12 socket, 8-pos.

Dimensional drawing
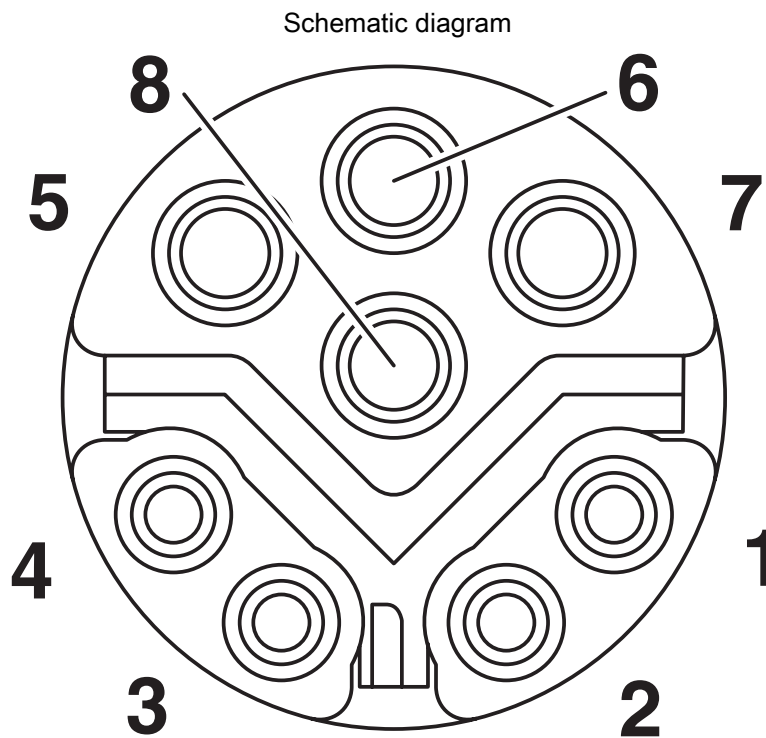
M12 front view

Dimensional drawing

Housing cut-out for two-part M12 flush-type connectors with THR and wave soldering connection, version 2

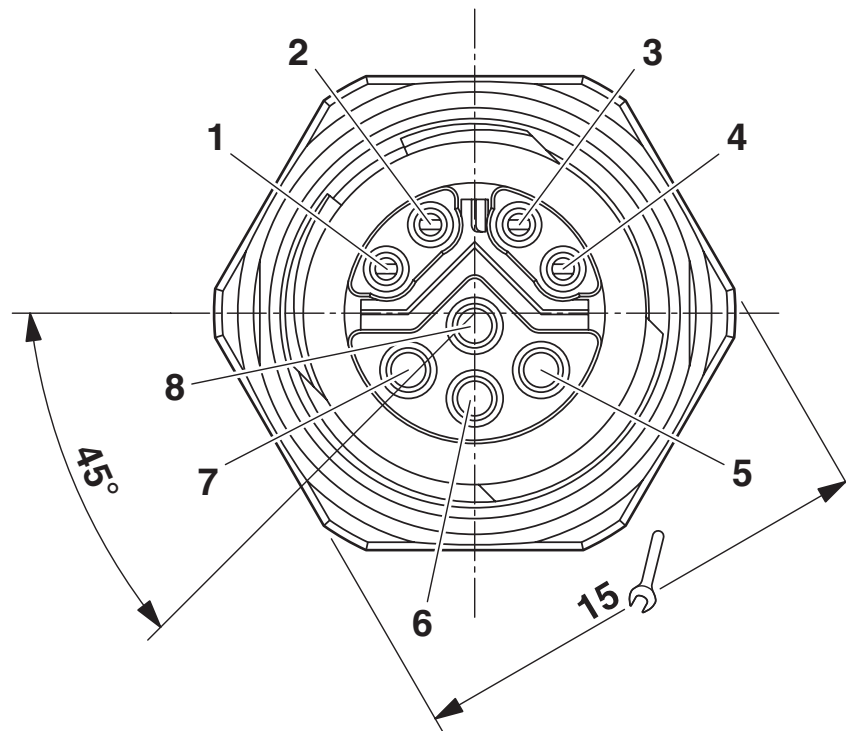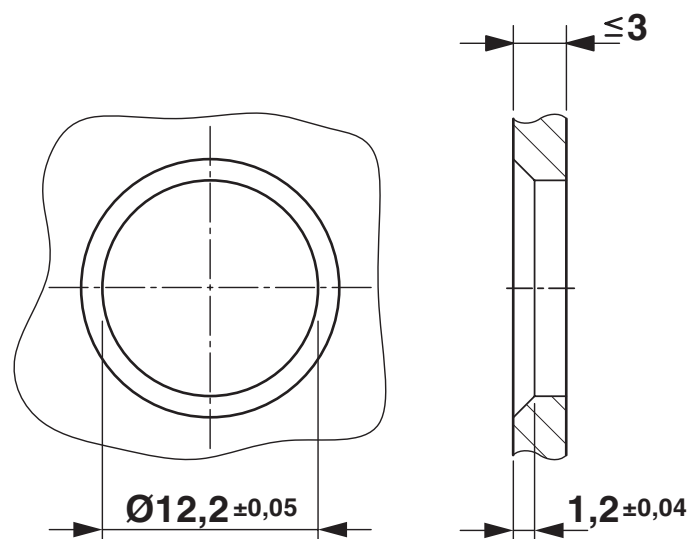# VS-08-DSIV-L180-HYB SCO - Device connector, rear mounting

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