PHŒNIX CONTACT

Flush-type connector - SACC-DSI-FS-4CON-L180/SCO SH - 1556841

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Sensor/actuator flush-type socket, 4-pos., M12 SPEEDCON, shielded, A-coded, rear/screw mounting with M12 thread, with straight solder connection

Why buy this product

☑ Easy PCB assembly: one-piece connectors for wave soldering

☑ All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design

☑ SPEEDCON fast locking system reduces cabling times

☑ For high transmission reliability: optional shield connection to the housing by means of shield contact

RoHS **SPEEDCON** *LOCKING*

Key Commercial Data

Packing unit	20 STK
GTIN	4 046356 184144
GTIN	4046356184144

Technical data

Dimensions

Length of the solder pin	6 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
Degree of protection	IP67

General

Note	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.
Rated current at 40°C	4 A
Rated voltage	250 V

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Technical data

General

Rated surge voltage	2.5 kV
Number of positions	4
Insulation resistance	$\geq$ 100 MΩ
Coding	A - standard
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Solder pins
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)

Material

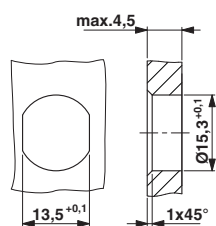| Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Standards and Regulations

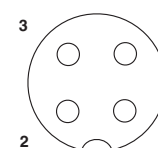| Flammability rating according to UL 94	V0

Environmental Product Compliance

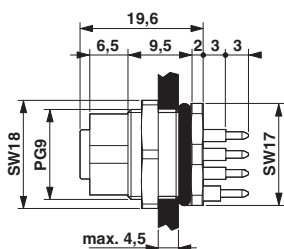| China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Dimensional drawing

max.4,5

Ø15,3 $^{+0,1}$
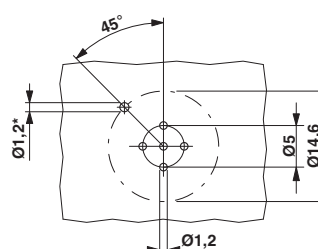
13,5 $^{+0,1}$ 1x45°

Housing cutout for Pg9 fastening thread, mounting panel with feed-through hole (alternatively with area as anti-rotation protection for panel thicknesses > 2 mm up to max. 4.5 mm)

Schematic diagram

3   4

2   1

Pin assignment M12 socket, 4-pos., A-coded, view female side

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Dimensional drawing

Drilling diagram

M12 flush-type connector

Approvals

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UL Recognized / cULus Recognized / EAC

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
mm²/AWG/kcmil		26-20	
Nominal current IN		4 A	
Nominal voltage UN		250 V	

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E221474-20140616
mm²/AWG/kcmil		22-20	
Nominal current IN		4 A	
Nominal voltage UN		250 V	

EAC			B.01742

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