PHŒNIX CONTACT

Flush-type connector - SACC-DSI-FSB-5CON-L180/12 SCO - 1552298

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Sensor/actuator flush-type socket, 5-pos., M12 SPEEDCON, B-coded, rear/screw mounting with Pg9 thread, with straight solder connection, design with 12 mm long solder pins

SPEEDCON LOCKING

Key commercial data

Packing unit	20 pc
Minimum order quantity	20 pc
GTIN	4 046356 162142
Weight per Piece (excluding packing)	14.54 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Length of the solder pin	12 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	60 V
Number of positions	5

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Technical data

General

Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Coding	B - inverse
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Surge voltage category	II
Pollution degree	3
Connection method	Solder pins
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)
Mounting type	Rear mounting Pg9 With flat nut

Material

Inflammability class 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

Cable

Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (cable, flexible installation)

Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27440103

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002061
ETIM 5.0	EC002061

UNSPSC

UNSPSC 6.01	31261501

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Classifications

UNSPSC

UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

Approvals

Approvals

Approvals

EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

EAC

cULus Recognized	
mm²/AWG/kcmil	20
Nominal current IN	4 A
Nominal voltage UN	60 V

Accessories

Accessories

Protective cap

Screw plug - PROT-M12 - 1680539

An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors

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Accessories

Screw plug - PROT-M12 SH - 1503302

An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors

Screw plug - PROT-M12 FB - 1555538

M12 high-grade steel screw plug, for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors for the food industry
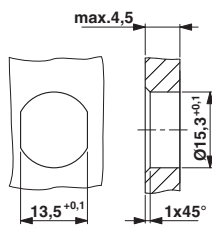
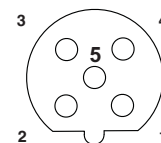## Seal

Flat gasket - SACC-PG9-SEAL CLM - 1556320

Pg9 flat gasket for the rear mounting of M12 flush-type connectors with Pg9 fastening threads
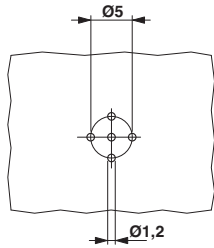
Drawings

Dimensioned drawing

max.4,5

$\varnothing 15,3^{+0,1}$
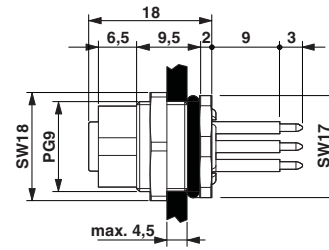
$13,5^{+0,1}$

$1 \times 45°$

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

5

2   1

Pin assignment M12 socket, 5-pos., B-coded, female side

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Drilling diagram

Ø5

Ø1,2

Dimensioned drawing

18

6,5   9,5   2   9   3

SW18   PG9   SW17

max. 4,5

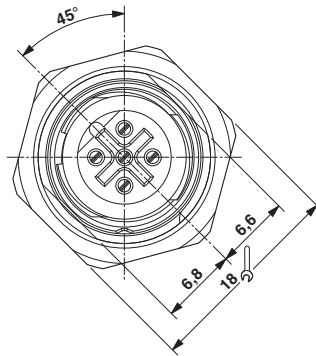M12 flush-type connector

Dimensioned drawing

45°

6.6

6.8

18

M12 front view