PHŒNIX CONTACT

Flush-type connector - SACC-DSI-MSB-5CON-L180/SH VT - 1456475

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

Sensor/actuator flush-type plug, with violet contact carrier, 5-pos., M12 SPEEDCON, shielded, B-coded, rear/screw mounting with M16 thread, with straight solder connection

Product Features

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

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	20 pc
Weight per Piece (excluding packing)	14.0 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length of the solder pin	6 mm

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
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.

PHŒNIX CONTACT

Flush-type connector - SACC-DSI-MSB-5CON-L180/SH VT - 1456475

Technical data

General

Rated current at 40°C	4 A
Rated voltage	60 V
Rated surge voltage	1.5 kV
Number of positions	5
Insulation resistance	$\geq$ 100 MΩ
Coding	B - inverse
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Solder pins
Insertion/withdrawal cycles	> 100
Mounting type	Rear mounting Pg9 With flat nut

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

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	V0

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
eCl@ss 9.0	27440102

Flush-type connector - SACC-DSI-MSB-5CON-L180/SH VT - 1456475

Classifications

ETIM

ETIM 4.0	EC002061
ETIM 5.0	EC002061

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

Approvals

Approvals

Approvals

EAC / cULus Recognized / EAC

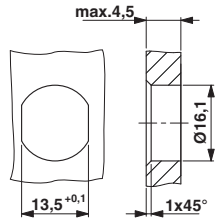Ex Approvals

Approvals submitted

Approval details

EAC

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

EAC

Drawings

Flush-type connector - SACC-DSI-MSB-5CON-L180/SH VT - 1456475

Dimensional drawing

max.4,5

Ø16,1

13,5 +0,1   1x45°

Housing cutout for M16 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)
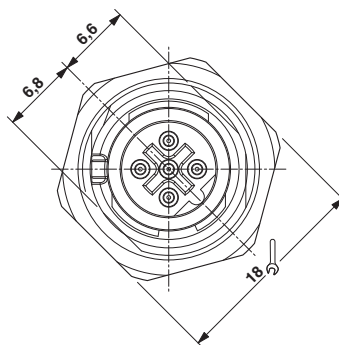
Schematic diagram

4   3
5
1   2
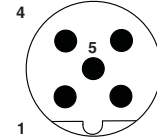
Pin assignment M12 male connector, 5-pos., B-coded, male side

Drilling diagram

45°

Ø1,2*

Ø5
Ø14,6

Ø1,2

Dimensional drawing

23

3   3 2   10   11

18   17   M12x1   M16x1,5

max. 4,5
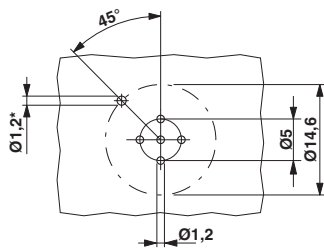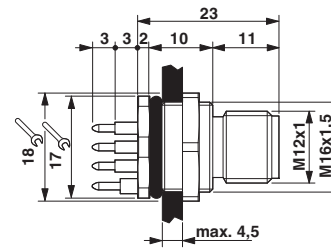
M12 flush-type connector

Dimensional drawing

6,6
6,8

18

M12 front view