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Panel feed-through - SACC-DSI-MS-8CON-L180 SCO - 1542758

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Sensor/actuator flush-type plug, 8-pos., M12 SPEEDCON, rear/screw mounting with Pg9 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

Key Commercial Data

Packing unit	20 STK
Minimum order quantity	20 STK
GTIN	4 046356 097765
Weight per Piece (excluding packing)	12.5 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)
	-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

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Technical data

General

	a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
Rated current at 40°C	2 A
Rated voltage	30 V
Rated surge voltage	0.8 kV
Number of positions	8
Insulation resistance	≥ 100 MΩ
Coding	A - standard
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
Torque	3 Nm ... 4 Nm (Installation-side)
Mounting type	Rear mounting Pg9 With locking 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

Cable

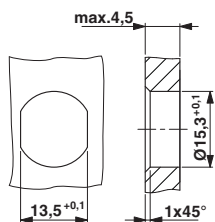|	
Standards/specifications	M12 connector IEC 61076-2-101
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (cable, flexible installation)

Standards and Regulations

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

Drawings

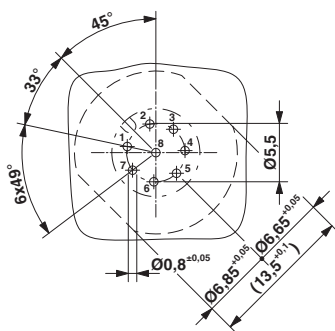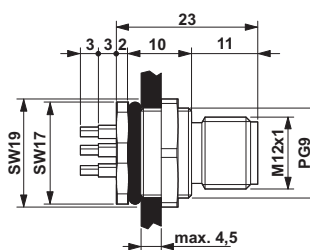# Panel feed-through - SACC-DSI-MS-8CON-L180 SCO - 1542758

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
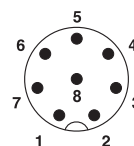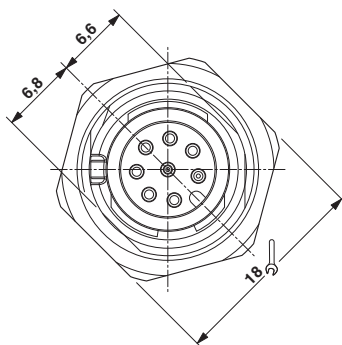
Pin assignment M12 plug, 8-pos., view plug side

Drilling diagram

45°

33°

6x49°

Ø5,5

Ø0,8 ±0,05

Ø6,85 ±0,05   Ø6,65 ±0,05

(13,5 +0,1)

Dimensional drawing

23

3 3 2   10   11

SW19

SW17

M12x1   PG9

max. 4,5

M12 flush-type plug

Dimensional drawing

6,6

6,8

18

M12 front view

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

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Classifications

eCl@ss

eCl@ss 7.0	27449001
eCl@ss 8.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002062
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

UL Recognized / EAC / cULus Recognized / EAC

Ex Approvals

Approvals submitted

Approval details

UL Recognized	
mm²/AWG/kcmil	26-20
Nominal current IN	2 A
Nominal voltage UN	30 V

EAC

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Approvals

cULus Recognized	
mm²/AWG/kcmil	22
Nominal current IN	2 A
Nominal voltage UN	30 V

EAC

Accessories

Accessories

Protective cap

Sealing cap - PROT-M12 FS - 1560251

M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

Sealing cap - PROT-M12 FS-M - 1430488

M12 metal sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

Seal

Flat gasket - SACC-PG9-SEAL CLM - 1556320

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