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Panel feed-through - SACC-DSI-FS-8CON-L180 SCO - 1542774

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Sensor/actuator flush-type socket, 8-pos., M12 SPEEDCON, rear/screw mounting with Pg9 thread, with straight solder connection

Key Commercial Data

Packing unit	20 STK
GTIN	4 046356 097789

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	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

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Technical data

General

Overvoltage category	III
Degree of pollution	3
Test voltage	0.8 kV
Connection method	Solder pins
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)
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

Cable

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

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	EC002062
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

UL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

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

EAC

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

Drawings

Panel feed-through - SACC-DSI-FS-8CON-L180 SCO - 1542774
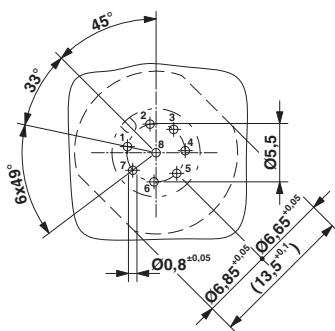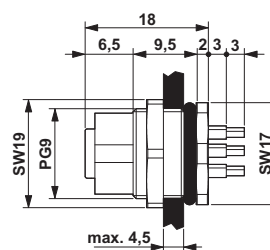
Dimensional drawing

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)
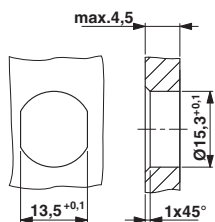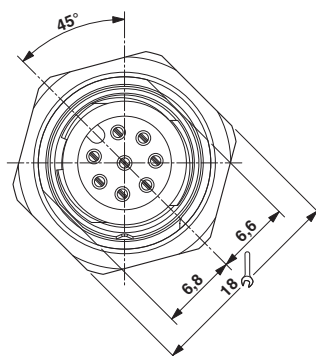
Schematic diagram
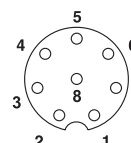
Pin assignment M12 socket, 8-pos., A-coded, view female side

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

18
6,5   9,5   2 3 3
SW19
PG9
SW17
max. 4,5

M12 flush-type connector

Dimensional drawing

45°
6,6
6,8
18

M12 front view

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Product	Code	Reference	Product link
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