

Device connector, rear mounting - SACC-DSI-M12FS-5CON-L180 VA - 1554733

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Sensor/actuator flush-type socket, 5-pos., M12, A-coded, rear/screw mounting with Pg9 thread, with straight solder connection, high-grade steel version

Your advantages

- ✓ 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



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	20 pc
GTIN	 4 046356 170406
GTIN	4046356170406
Weight per Piece (excluding packing)	16.280 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length of the solder pin	6 mm
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Ambient conditions

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

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Technical data

Ambient conditions

Degree of protection	IP65/IP67/IP69/IP69K
	IP69K

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
Rated surge voltage	1.5 kV
Number of positions	5
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	III
Degree of pollution	3
Test voltage	1.5 kV
Connection method	Solder pins
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)
Mounting type	Rear mounting Pg9 With flat nut
Thread type	Pg9

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material, knurls	Stainless steel
Sealing material	FKM

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

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Technical data

Standards and Regulations

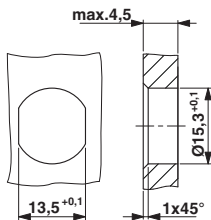
Standards/specifications	M12 connector IEC 61076-2-101
Flammability rating according to UL 94	V0

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

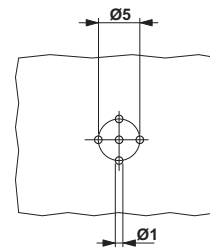
Drawings

Dimensional drawing



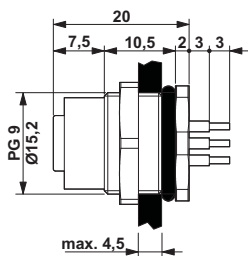
Mounting cutout with polarization for Pg9 thread

Drilling diagram



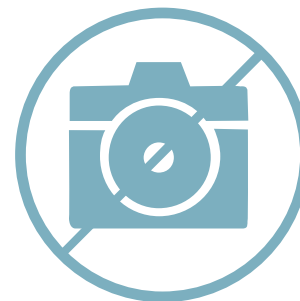
M12 flush-type connector

Dimensional drawing



M12 flush-type socket

Schematic diagram



Pin assignment M12 socket, 5-pos., A-coded, socket side view

Classifications

eCl@ss

eCl@ss 10.0.1	27440102
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Classifications

eCl@ss

eCl@ss 11.0	27440102
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440103
eCl@ss 9.0	27440102

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002062
ETIM 6.0	EC002061

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413
UNSPSC 18.0	39121413
UNSPSC 19.0	39121413
UNSPSC 20.0	39121413
UNSPSC 21.0	39121413

Approvals

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UL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

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Approvals

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 118976
Nominal voltage UN	60 V		
Nominal current IN	4 A		
mm ² /AWG/kcmil	22		

EAC		B.01687	
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E221474-20140616
Nominal voltage UN	60 V		
Nominal current IN	4 A		
mm ² /AWG/kcmil	22-20		

Accessories

Accessories

Plug for cable screw gland

Screw plug - PROT-M12 - 1680539



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

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

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Accessories

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
