

# Flush-type connector - 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

## 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



## Key Commercial Data

Packing unit	20 STK
Minimum order quantity	20 STK
GTIN	 4 046356 170406
Weight per Piece (excluding packing)	15.57 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)
Degree of protection	IP67
	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
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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	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

### Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
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)

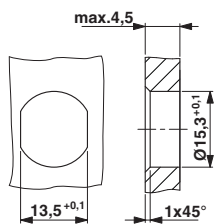
### Standards and Regulations

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

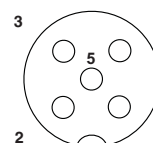
### Drawings

# Flush-type connector - SACC-DSI-M12FS-5CON-L180 VA - 1554733

Dimensional drawing



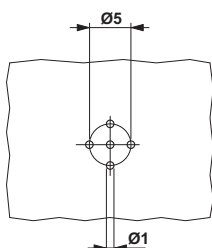
Schematic diagram



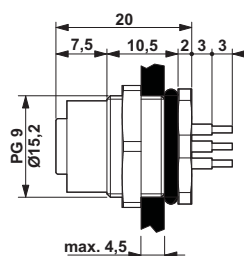
Pin assignment M12 socket, 5-pos., A-coded, socket side view

Mounting cutout with polarization for Pg9 thread

Drilling diagram



Dimensional drawing



M12 flush-type connector

M12 flush-type socket

## 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

ETIM

ETIM 3.0	EC002061
ETIM 4.0	EC002062
ETIM 5.0	EC002061

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413

# Flush-type connector - SACC-DSI-M12FS-5CON-L180 VA - 1554733

## Approvals

### Approvals

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#### Approvals

EAC / cULus Recognized / EAC / EAC

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#### Ex Approvals

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#### Approvals submitted

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## Approval details

EAC
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cULus Recognized	
mm <sup>2</sup> /AWG/kcmil	20
Nominal current I <sub>N</sub>	4 A
Nominal voltage U <sub>N</sub>	60 V

EAC
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EAC
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## 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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## Flush-type connector - SACC-DSI-M12FS-5CON-L180 VA - 1554733

### 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

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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

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### Seal

Flat gasket - SACC-PG9-SEAL CLM - 1556320



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

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