

# Flush-type connector - SACC-E-M12MS-5CON-M16/0,5 VA - 1458868


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Sensor/actuator flush-type plug, 5-pos., stainless steel, A-coded, front/screw mounting with M16 thread, with 0.5 m TPE litz wire, 5 x 0.34 mm<sup>2</sup>



## Key commercial data

Packing unit	1 pc
GTIN	 4 046356 655484
Weight per Piece (excluding packing)	20.4 g
Custom tariff number	85444290
Country of origin	Germany
Note	Made to Order (non-returnable)

## Technical data

### Dimensions

Length of cable	0.5 m
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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

### 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
Number of positions	5
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ

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## Technical data

### General

Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Universal
Status display	No
Surge voltage category	II
Pollution degree	3
Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)

### Material

Inflammability class according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material, knurls	High-grade steel
Sealing material	FKM

### Cable

Cable type	TPE litz wire
Conductor cross section	0.34 mm <sup>2</sup>
AWG signal line	22
Conductor structure signal line	7x 0.25 mm
Core diameter including insulation	1.2 mm ±0.07 mm
Thickness, insulation	0.21 mm (Core insulation)
Wire colors	Brown, white, blue, black, gray
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 57.6 mΩ/m
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (cable, flexible installation)

## Classifications

### eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423

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## Classifications

### eCl@ss

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	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

## Approvals

### Approvals

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#### Approvals

cULus Recognized

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Ex Approvals

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Approvals submitted

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### Approval details

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

## Accessories

Accessories

Protective cap

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## Accessories

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

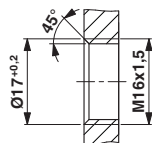
Flat gasket - SACC-M16-SEAL CLM - 1430394



M16 flat gasket, for rear mounting of M12 flush-type connectors with M16 fastening thread

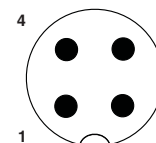
## Drawings

Dimensioned drawing



Housing cutout for M16 fastening thread, mounting panel with thread

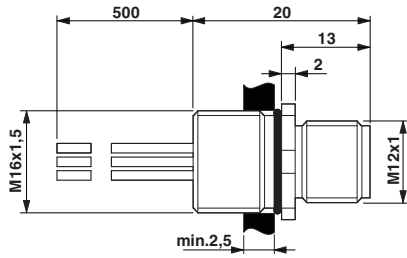
Schematic diagram



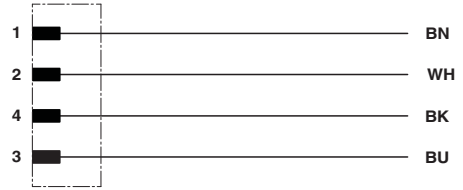
Pin assignment M12 plug, 4-pos., A-coded, view plug side

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Dimensioned drawing



Circuit diagram



M12 flush-type plug

Contact assignment of the M12 plug and the M12 socket