

## Flush-type connector - SACC-E-M12MSB-5P-M16XL/0,5 - 1411580

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Flush-type connector, Universal, 5-position, PlugLink:M12, B-coded, Front mounting, M16 x 1.5, Individual wires, Cable length: 0.5 m

The figure shows the 4-pos., A-coded version

### Why buy this product

- ✓ Easy-to-install, optimized XL housing contour with wrench size 19
- ✓ Tightening limitation for the O-ring gasket
- ✓ Pre-assembled with litz wires for immediate use
- ✓ Customer-specific assemblies and litz wire lengths available
- ✓ Sealed on the litz wire side for optimum leak-tightness
- ✓ All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- ✓ For high transmission safety: shield connection to the housing with optional EMC nut



### Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356935432
Weight per Piece (excluding packing)	23.700 g
Custom tariff number	85366990
Country of origin	Germany
Note	Made to Order (non-returnable)

### Technical data

#### Dimensions

Length of cable	0.5 m
-----------------	-------

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
Degree of protection	IP67

# Flush-type connector - SACC-E-M12MSB-5P-M16XL/0,5 - 1411580

## Technical data

### 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	B - inverse
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Universal
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Torque	0.8 Nm ... 1.3 Nm (Installation-side)
Mounting type	Front mounting M16 x 1.5 Tightening limitation

### 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	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
Wire colors	Black, brown, blue, white, gray
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Standards/specifications	M12 connector IEC 61076-2-101
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 57.6 mΩ/m
Nominal voltage, cable	300 V

# Flush-type connector - SACC-E-M12MSB-5P-M16XL/0,5 - 1411580

## Technical data

### Cable

Test voltage, cable	2000 V AC
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (cable, flexible installation)

### Standards and Regulations

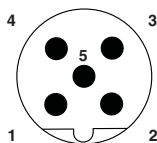
Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	V0

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

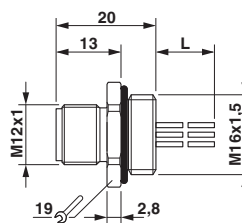
## Drawings

Schematic diagram



Pin assignment M12 male connector, 5-pos., B-coded, male side

Dimensional drawing



M12 flush-type plug

Circuit diagram



Contact assignment of the M12 connector

## Classifications

eCl@ss

eCl@ss 5.1	27143423
eCl@ss 6.0	27279220
eCl@ss 8.0	27440103

# Flush-type connector - SACC-E-M12MSB-5P-M16XL/0,5 - 1411580

## Classifications

### eCl@ss

eCl@ss 9.0	27440102
------------	----------

### ETIM

ETIM 4.0	EC002061
ETIM 5.0	EC002061
ETIM 6.0	EC002061

### UNSPSC

UNSPSC 13.2	39121413
-------------	----------

## Approvals

### Approvals


#### Approvals

EAC / cULus Recognized

#### Ex Approvals

### Approval details

EAC		B.01742
-----	---	---------

cULus Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> E221474-20140616
mm <sup>2</sup> /AWG/kcmil	22-20	
Nominal current I <sub>N</sub>	4 A	
Nominal voltage U <sub>N</sub>	60 V	

## Accessories

### Accessories

Flat nut

## Flush-type connector - SACC-E-M12MSB-5P-M16XL/0,5 - 1411580

### Accessories

Flat nut - SACC-E-MU-M16 - 1504097



Flat nut with M16 thread

---

### 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

---

---