

# Flush-type connector - SACC-E-M12FSS-4P-M16XL/0,5 PE - 1411605

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Flush-type connector, Power, 4-position, Socket, Link: M12, S power, Front mounting, M16 x 1.5, Individual wires, Cable length: 0.5 m

## Why buy this product

- ✓ For compact devices: transmit high power in a confined space
- ✓ 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
- ✓ For high transmission safety: shield connection to the housing with optional EMC nut



## Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 936194
GTIN	4046356936194

## Technical data

### Dimensions

Length of cable	0.5 m
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### Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
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.
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## Technical data

### General

Rated current at 40°C	12 A
Rated voltage	630 V
Rated surge voltage	6 kV
Number of positions	4
Insulation resistance	≥ 100 MΩ
Coding	S power
Standards/regulations	M12 connector
Signal type/category	Power
Status display	No
Overvoltage category	III
Degree of pollution	3
Test voltage	6 kV
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
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	FKM

### Cable

Cable type	PP litz wire
Conductor cross section	1.5 mm <sup>2</sup>
AWG signal line	16
Wire colors	Black 1, black 2, black 3, green/yellow
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Standards/specifications	M12 connector
Ambient temperature (operation)	-40 °C ... 85 °C (without mechanical actuation)
	-40 °C ... 90 °C (cable, fixed installation)
	-30 °C ... 90 °C (cable, flexible installation)

### Standards and Regulations

Standard designation	M12 connector
Flammability rating according to UL 94	V0

### Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
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## Technical data

### Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
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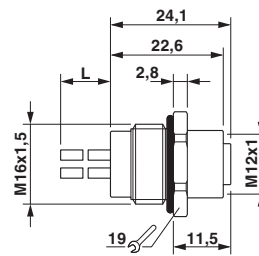
## Drawings

Schematic diagram



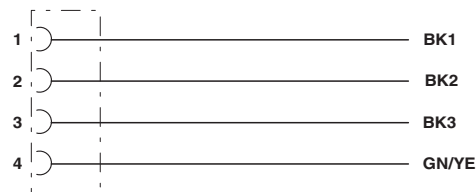
Pin assignment of M12 socket, 4-pos., S-coded, socket side view

Dimensional drawing



M12 flush-type socket

Circuit diagram



Contact assignment of the M12 socket

## Approvals

### Approvals

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Approvals

UL Listed / cUL Listed / EAC / cULus Listed

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Ex Approvals

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### Approval details

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## Approvals

UL Listed		<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>	FILE E 468743
mm <sup>2</sup> /AWG/kcmil	16		
Nominal current I <sub>N</sub>	12 A		
Nominal voltage U <sub>N</sub>	600 V		

cUL Listed		<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>	FILE E 468743
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Nominal voltage U <sub>N</sub>	600 V		

EAC		B.01742
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cULus Listed	
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PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>