PHŒNIX CONTACT

Flush-type connector - SACC-E-M12MSS-4P-M16XL/0,5 PE - 1411607

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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

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 936217
GTIN	4046356936217

Technical data

Dimensions

Length of cable	0.5 m

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	$\geq$ 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 mm²
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

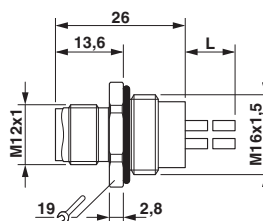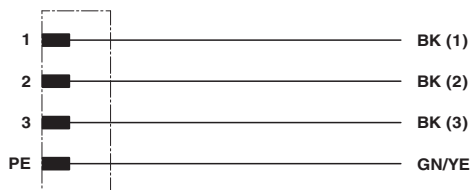|	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Schematic diagram

Connector pin assignment of M12 plug, 4-pos., S-coded, view of pin side

Dimensional drawing

M12 flush-type plug

Circuit diagram

1	BK (1)
2	BK (2)
3	BK (3)
PE	GN/YE

Contact assignment of the M12 plug

Approvals

Approvals

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UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

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Approvals

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 468743
mm²/AWG/kcmil		16	
Nominal current IN		12 A	
Nominal voltage UN		600 V	

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 468743
mm²/AWG/kcmil		16	
Nominal current IN		12 A	
Nominal voltage UN		600 V	

EAC		B.01742

cULus Listed	