PHŒNIX CONTACT

Flush-type connector - SACC-EC-FS-4CON-M16/0,5 SCO - 1523447

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Sensor/Actuator flush-type socket, 4-pos., M12 SPEEDCON, A-coded, front/screw mounting with M16 thread, can be positioned, with 0.5 m TPE litz wire, 4x0.25 mm²

Why buy this product

☑ 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

☑ SPEEDCON fast locking system reduces cabling times

RoHS   SPEEDCON LOCKING

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 021272
GTIN	4046356021272

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.
Rated current at 40°C	4 A

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Technical data

General

Rated voltage	250 V
Rated surge voltage	2.5 kV
Number of positions	4
Insulation resistance	$\geq$ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)
Mounting type	Front mounting M16 x 1.5 With locking nut

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Cable

Cable type	TPE litz wire
Conductor cross section	0.34 mm²
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
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Standards/specifications	M12 connector IEC 61076-2-101
Insulation resistance	$\geq$ 20 MΩ*km
Conductor resistance	$\leq$ 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)

Standards and Regulations

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Technical data

Standards and Regulations

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

Environmental Product Compliance

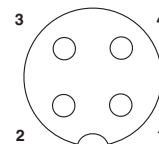| REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings
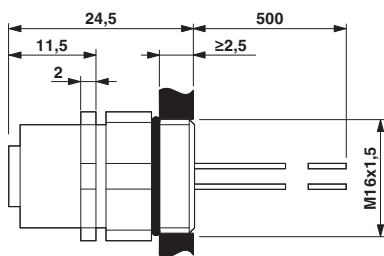
Dimensional drawing
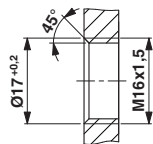
Housing cutout for M16 fastening thread, mounting panel with thread
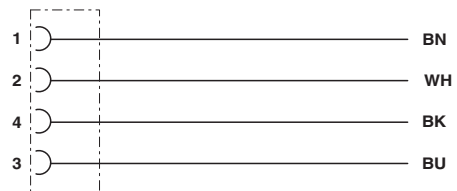
Schematic diagram

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

Dimensional drawing

M12 flush-type socket, can be positioned

Circuit diagram

Contact assignment of the M12 socket

Approvals

Approvals

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cULus Recognized / EAC

Ex Approvals

Approval details

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Approvals

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E221474-20140616
Nominal voltage UN		250 V
Nominal current IN		4 A
mm²/AWG/kcmil		22-20

EAC		B.01742