PHŒNIX CONTACT

Panel feed-through - SACC-DSI-FS-5CON-PG9/0,5 SCORD - 1405331

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Sensor/actuator flush-type socket, 5-pos., M12 SPEEDCON, A-coded, rear/screw mounting with Pg9 thread, with 0.5 m TPE litz wire, 5 x 0.34 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
Minimum order quantity	100 STK
GTIN	4 046356 746465
GTIN	4046356746465

Technical data

Dimensions

Length of cable	0.5 m

Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Socket)
	-25 °C ... 85 °C (cable, fixed installation)
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

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Technical data

General

	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	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	III
Degree of pollution	3
Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)
Mounting type	Rear mounting Pg9 With flat nut

Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	FKM

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

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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

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

Drawings

Dimensional drawing
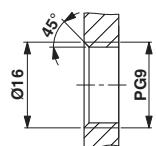
Housing cutout for Pg9 fastening thread, mounting panel with thread

Dimensional drawing
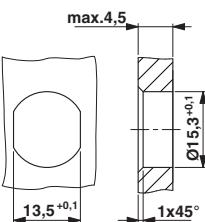
Housing cutout for Pg9 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

Schematic diagram
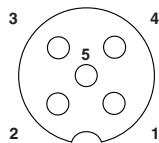
Pin assignment M12 socket, 5-pos., A-coded, socket side view

Dimensional drawing
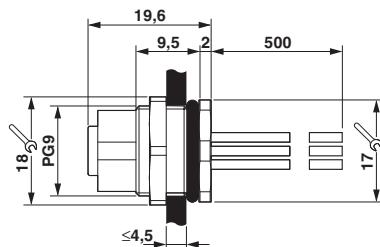
M12 flush-type connector

Circuit diagram

Contact assignment of the M12 socket

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Approvals

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EAC

Ex Approvals

Approval details

EAC	EAC	B.00767