PHŒNIX CONTACT

Connector - SACC-MR-5CON-PG 9-M SCO - 1543003

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Sensor/actuator connector, male, angled, 5-pos., M12 SPEEDCON, A-coded, screw connection, metal knurl, cable screw connection Pg9

Why buy this product

☑ Safe use in the field, thanks to a high degree of protection

☑ Flexible: connectors for on-site assembly

☑ Save time, thanks to installation with SPEEDCON fast locking system

☑ Screw connection: proven connection technology for a large selection of different conductors

RoHS **SPEEDCON LOCKING**

Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 097635
GTIN	4046356097635
Weight per Piece (excluding packing)	24.800 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

External cable diameter	6 mm ... 8 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
Degree of protection	IP67

General

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5

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Technical data

General

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	Screw connection
Conductor cross section	0.25 mm² ... 0.75 mm²
Conductor cross section AWG	24 ... 18
Insertion/withdrawal cycles	$\geq$ 100
Torque	0.4 Nm (M12 knurl)
	0.2 Nm (Screw terminal blocks)
	0.8 Nm ... 1 Nm (Pressure screw)
Tightening torque	Screw plug insert with sleeve housing as far it will go
Assembly instructions	The connector pin assignment can be rotated 90° to the cable outlet
	The wires can be connected both with ferrules and without ferrules

Material

Flammability rating according to UL 94	HB
Contact material	CuZn
Contact surface material	CuSnZn
Contact carrier material	PA
Material of grip body	PBT
Material, knurls	Nickel-plated brass
Sealing material	NBR

Cable

Standards/specifications	M12 connector IEC 61076-2-101

Standards and Regulations

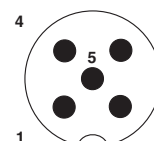| Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	HB

Drawings

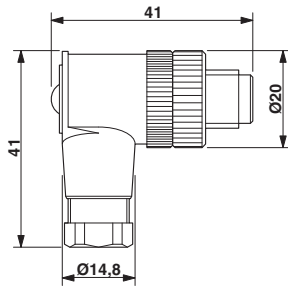Schematic diagram
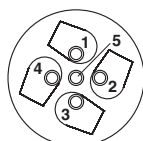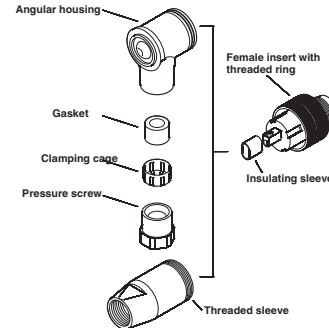
Cable connection side M12 (screw connection)

Schematic diagram

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

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Dimensional drawing

M12 x 1 male plug, angled

Schematic diagram

Male/Female M12

Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27279221
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104
eCl@ss 9.0	27440102

ETIM

ETIM 3.0	EC002062
ETIM 4.0	EC002062
ETIM 5.0	EC002062
ETIM 6.0	EC002062

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413

Approvals

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EAC / EAC

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Approvals

Ex Approvals

Approval details

EAC	EAC	7500651.22.01.00246

EAC	EAC	EAC-Zulassung

Accessories

Accessories

Cable by the meter

Cable reel - SAC-5P-100,0-186/0,75 - 1535590

Cable ring, PUR/PVC black, 5-pos., conductor colors: Brown/white/blue/black/gray, cable length: 100 m

Protective cap

Sealing cap - PROT-M12 FS-PA-CHAIN - 1430873

M12 sealing cap made of plastic with fixing band, for sensor cables, for free M12 sockets

Screwdriver tools

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600

Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

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Accessories

Tool - SACC BIT M12-D20 - 1208445

Nut for assembling M12 connectors for assembly with a knurl diameter of 20 mm, for 4 mm hexagonal drive

Torque tool

Torque screwdriver - TSD 04 SAC - 1208429

Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

Torque screwdriver - TSD-M 1,2NM - 1212224

Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm