

## Connector - SACC-FS-5CON-PG 9-M SCO - 1543045

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)




Sensor/actuator connector, female, straight, 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



### Key commercial data

Packing unit	1 pc
GTIN	 4 046356 097598
Weight per Piece (excluding packing)	26.5 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

External 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
Contact resistance	≤ 8 mΩ
Insulation resistance	≥ 100 MΩ

# Connector - SACC-FS-5CON-PG 9-M SCO - 1543045

## Technical data

### General

Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Surge voltage category	II
Pollution degree	3
Connection method	Screw connection
Conductor cross section	0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
AWG conductor cross section	24 ... 18
Insertion/withdrawal cycles	≥ 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 wires can be connected both with ferrules and without ferrules

### Material

Inflammability class according to UL 94	HB
Contact material	CuZn
Contact surface material	CuSnZn
Contact carrier material	PA 66
Material of grip body	PBT
Material, knurls	Nickel-plated brass
Sealing material	NBR

## 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

### ETIM

ETIM 3.0	EC002062
ETIM 4.0	EC002062
ETIM 5.0	EC002062

### UNSPSC

UNSPSC 6.01	31261501
-------------	----------

# Connector - SACC-FS-5CON-PG 9-M SCO - 1543045

## Classifications

### UNSPSC

UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

## Approvals

### Approvals

---

Approvals

GOST

---

Ex Approvals

---

Approvals submitted

---

### Approval details

GOST
------

## Accessories

### Accessories

Cable by the meter

Sensor/Actuator cable - 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

## Connector - SACC-FS-5CON-PG 9-M SCO - 1543045

### Accessories

Screw plug - PROT-M12 MS-PA-CHAIN - 1430899

M12 sealing cap 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

---

Tool - SACC BIT M12-D20 - 1208445



Nut for assembling SACC M12 connectors for free assembly, excluding M12 connectors with QUICKON fast connection technology, 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



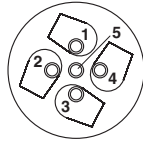
Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

---

### Drawings

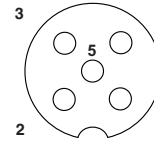
# Connector - SACC-FS-5CON-PG 9-M SCO - 1543045

Schematic diagram



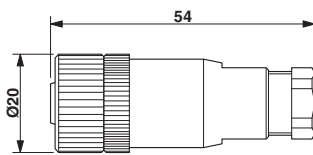
Cable connection side M12 (screw connection)

Schematic diagram



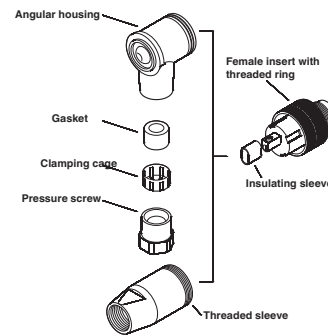
Pin assignment M12 socket, 5-pos., A-coded, socket side view

Dimensioned drawing



M12 x 1 socket, straight

Schematic diagram



Male/Female M12