

## 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://phoenixcontact.com/download>)




Connector, Universal, 5-position, Socket straight M12 SPEEDCON, A-coded, Screw connection, knurl material: Nickel-plated brass, cable gland Pg9, external cable diameter 6 mm ... 8 mm

### Your advantages

- 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
GTIN	4046356097598

### Technical data

#### Dimensions

Diameter housing	20 mm
Length	54 mm
External cable diameter	6 mm ... 8 mm
Stripping length of the sheath	20 mm
Stripping length of the individual wire	5 mm

#### Ambient conditions

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

#### General

Note	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending
------	--

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

## Technical data

### General

	forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.
Rated current at 40°C	4 A
Rated voltage	48 V AC
	60 V DC
Number of positions	5
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Universal
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Screw connection
Conductor cross section	0.25 mm² ... 0.75 mm² (without ferrule)
	0.14 mm² ... 0.75 mm² (with ferrule)
	0.25 mm² ... 0.75 mm² (solid)
Conductor cross section AWG	24 ... 18 (without ferrule)
	26 ... 20 (with ferrule)
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	0.2 Nm (Screw terminal blocks)
	0.8 Nm ... 1 Nm (Pressure screw with sleeve housing)
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

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

### Standards and Regulations

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

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50

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

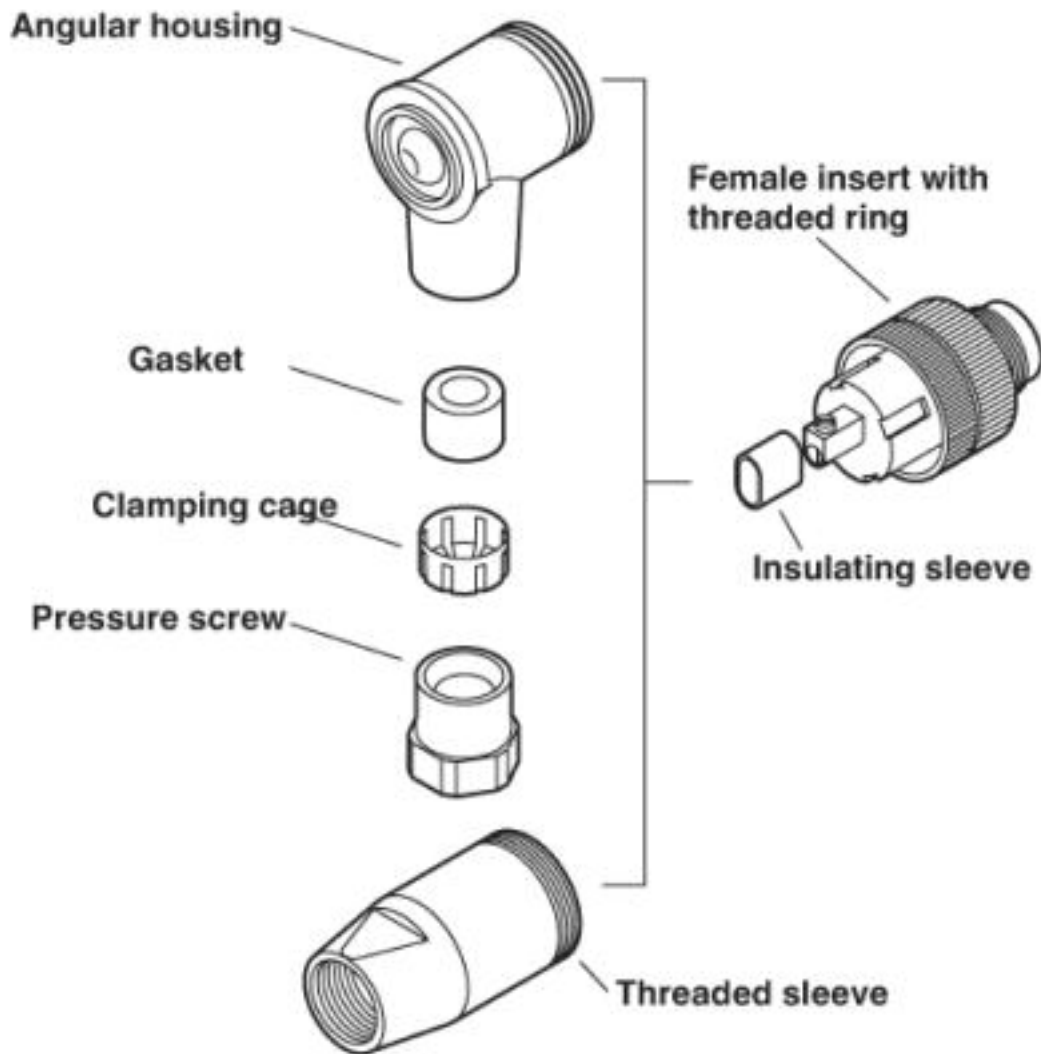
## Technical data

### Environmental Product Compliance

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

## Drawings

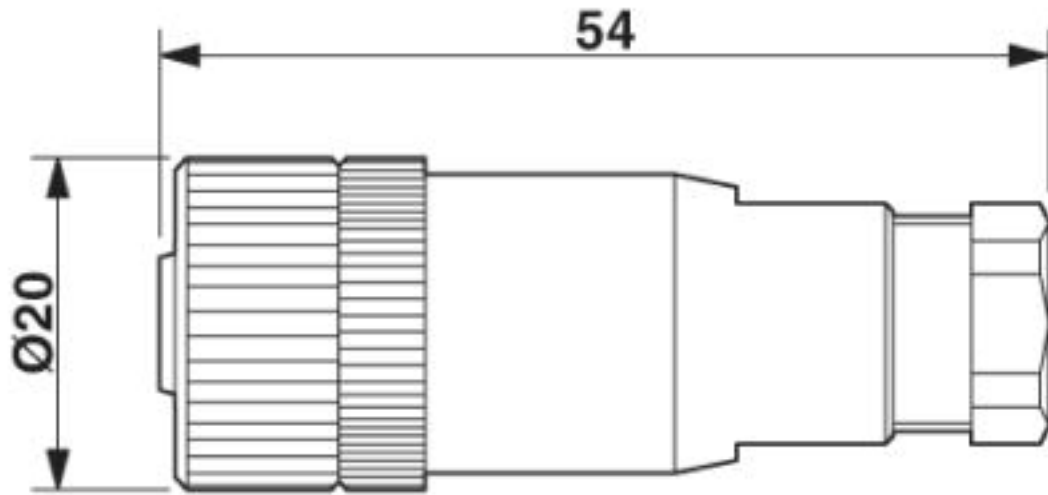
Schematic diagram



Male/Female M12

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

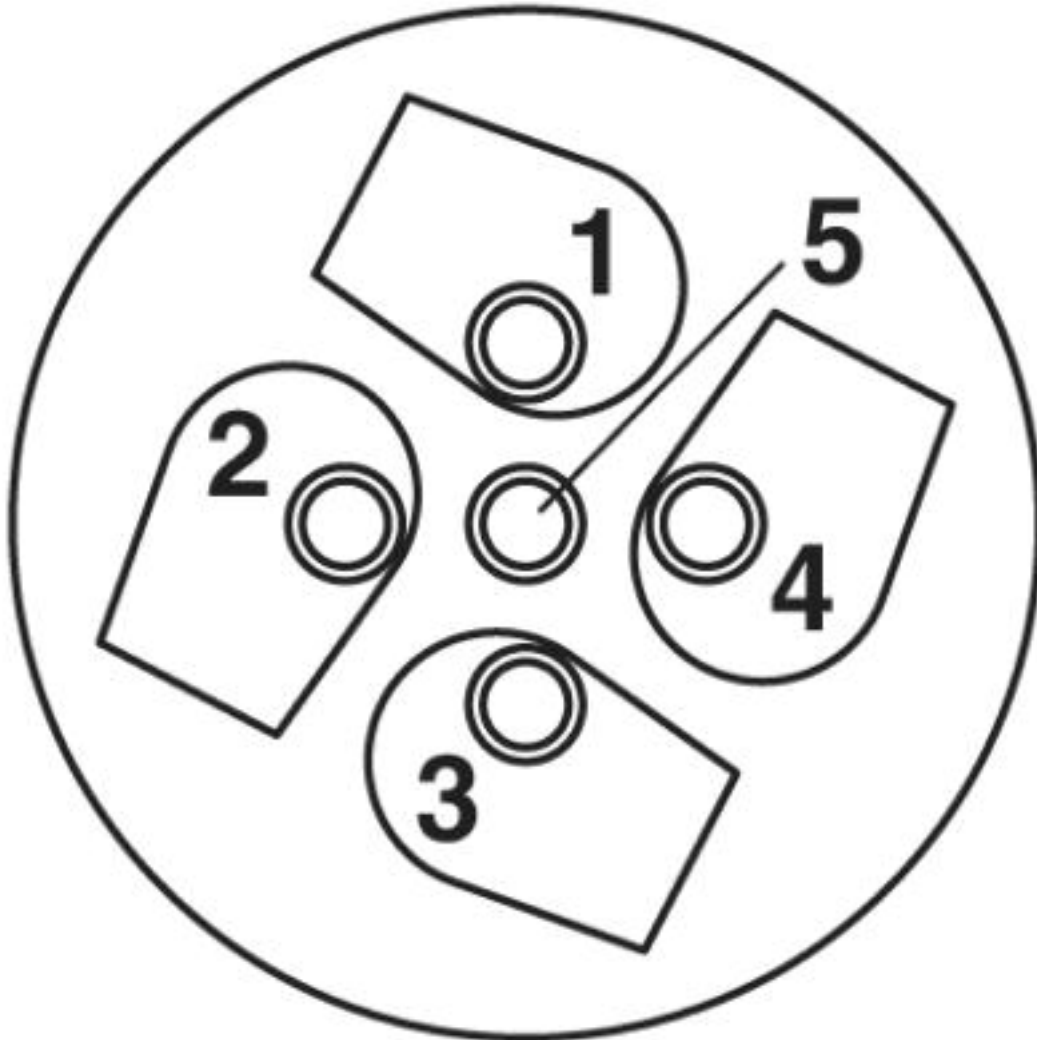
Dimensional drawing



M12 x 1 socket, straight

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

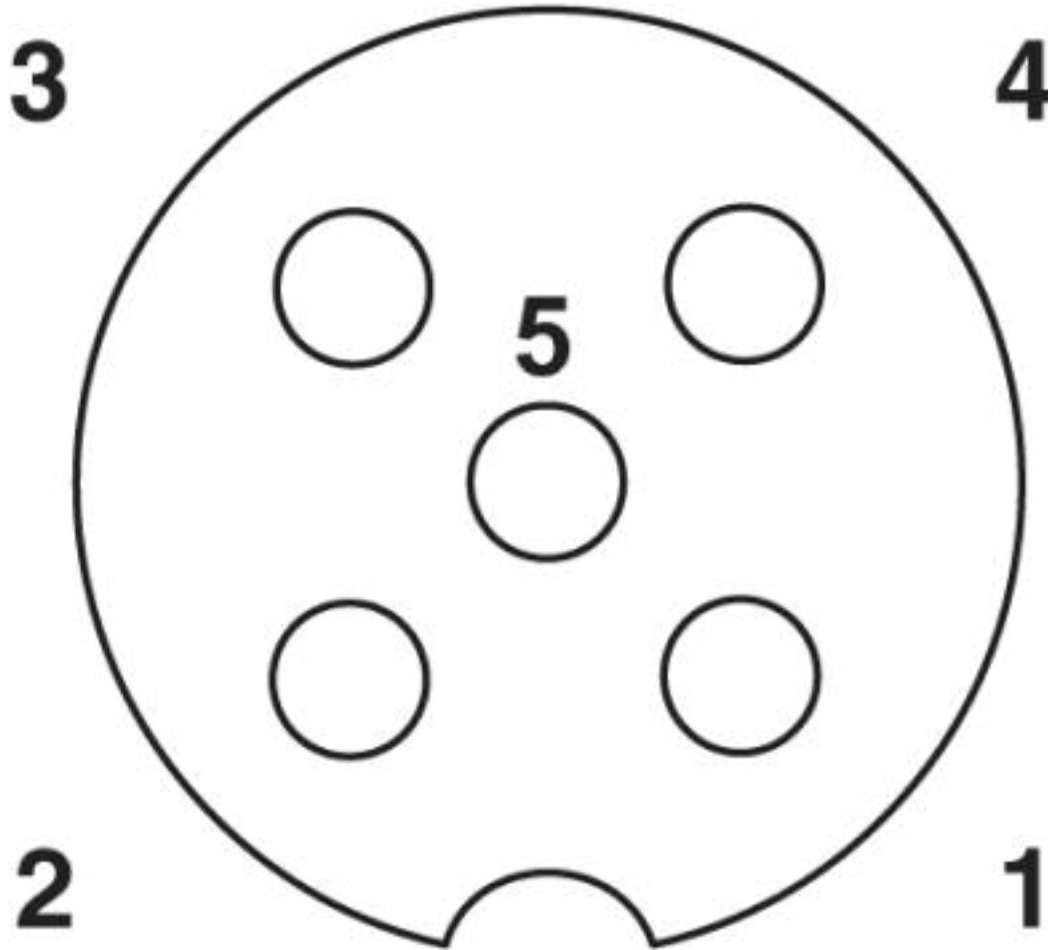
Schematic diagram



Cable connection side M12 (screw connection)

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

Schematic diagram



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

## Approvals

Approvals

---

Approvals

EAC / EAC

---


Ex Approvals


---

## Approval details

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

### Approvals

EAC		RU C- DE.AI30.B.01102
-----	---	--------------------------

EAC		EAC-Zulassung
-----	---	---------------

Phoenix Contact 2019 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>