

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



1543045

<https://www.phoenixcontact.com/us/products/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 documentation. Our general terms of use for downloads are valid.



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

## Your advantages

- Safe use in the field, thanks to a high degree of protection
- Save time, thanks to installation with SPEEDCON fast locking system
- Screw connection: proven connection technology for a large selection of different conductors

## Commercial data

Item number	1543045
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF30
Product key	BF2CAA
Catalog page	Page 20 (C-2-2017)
GTIN	4046356097598
Weight per piece (including packing)	27 g
Weight per piece (excluding packing)	26.5 g
Customs tariff number	85366990
Country of origin	DE

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

1543045

<https://www.phoenixcontact.com/us/products/1543045>

## Technical data

### Notes

General	<b>NOTE:</b> Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.
---------	--

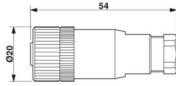
### Product properties

Product type	Circular connector (cable-side)
Sensor type	Universal
Number of positions	5
No. of cable outlets	1
Shielded	no
Coding	A
Cable outlet	straight
Pg screw connection	Pg9

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Dimensions

Dimensional drawing	
Length	54 mm

### External dimensions

Outside diameter	6 mm ... 8 mm
------------------	---------------

### Housing

Diameter housing	20 mm
------------------	-------

### Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Material of grip body	PBT
Contact material	CuZn
Contact surface material	CuSnZn
Contact carrier material	PA
Material for screw connection	Brass, nickel-plated

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



1543045

<https://www.phoenixcontact.com/us/products/1543045>

## Connection data

### Conductor connection

Connection method	Screw connection
Connection cross section	0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (without ferrule)
	0.14 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (with ferrule)
	0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (solid)
Connection cross section AWG	24 ... 18 (without ferrule)
	26 ... 20 (with ferrule)
Stripping length of the individual wire	5 mm
Tightening torque	0.4 Nm (M12 knurl)
	0.2 Nm (Screw terminal blocks)
	0.8 Nm ... 1 Nm (Pressure screw with sleeve housing)

## Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 8 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	48 V AC
	60 V DC
Nominal current I <sub>N</sub>	4 A

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 100
-----------------------------	-------

## Connector

### Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON
Coding	A

## Cable/line

Signal type/category	Universal
Stripping length of the individual wire	5 mm

## Environmental and real-life conditions

### Ambient conditions

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

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



1543045

<https://www.phoenixcontact.com/us/products/1543045>

## Standards and regulations

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

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



1543045

<https://www.phoenixcontact.com/us/products/1543045>

## Classifications

### ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

### ETIM

ETIM 9.0	EC002635
----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

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



1543045

<https://www.phoenixcontact.com/us/products/1543045>

## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)