

# SACC-M12MS-8CON-PG 9-SH - Connector



1511857

<https://www.phoenixcontact.com/in/products/1511857>

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Connector, Universal, 8-position, shielded, Plug straight M12, A, Screw connection, knurl material: Nickel-plated brass, external cable diameter 6 mm ... 8 mm

## Your advantages

- Safe use in the field, thanks to a high degree of protection
- Screw connection: proven connection technology for a large selection of different conductors
- Reliable signal transmission – 360° shielding in environments with electromagnetic interference

## Commercial Data

Item number	1511857
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	BF2
Product Key	BF2CBA
Catalog Page	Page 24 (C-2-2019)
GTIN	4017918908638
Weight per Piece (including packing)	57.928 g
Weight per Piece (excluding packing)	43.82 g
Customs tariff number	85366990
Country of origin	CN

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## Technical Data

### Notes

Assembly instruction:

**NOTE:** 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.

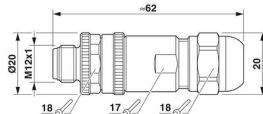
### Product properties

Product type	Circular connector (cable-side)
Number of positions	8
No. of cable outlets	1
Shielded	yes
Coding	A

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Dimensions

Dimensional drawing	
Width	20 mm
Height	20 mm
Length	62 mm
Wrench size, union nut	18 mm
Wrench size, counter nut	17 mm

### External dimensions

Outside diameter	6 mm ... 8 mm
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### Housing

Diameter housing	20 mm
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### Material specifications

Flammability rating according to UL 94	HB
Seal material	Silicon
Material of grip body	Nickel-plated brass
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material for screw connection	Nickel-plated brass

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## Connection data

### Conductor connection

Connection method	Screw connection
Connection cross section	0.25 mm <sup>2</sup> ... 0.5 mm <sup>2</sup> (without ferrule)
	0.14 mm <sup>2</sup> ... 0.34 mm <sup>2</sup> (with ferrule)
	0.25 mm <sup>2</sup> ... 0.5 mm <sup>2</sup> (solid)
Connection cross section AWG	24 ... 20 (without ferrule)
	26 ... 22 (with ferrule)
Stripping length of the individual wire	5 mm
Tightening torque	0.4 Nm (M12 knurl)
	0.2 Nm (Screw terminal blocks)
	1 Nm (Pressure nut with coupling sleeve)

## Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 8 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	30 V AC
	30 V DC
Nominal current I <sub>N</sub>	2 A

## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	≥ 100
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## Connector

### Connection 1

Head design	Plug
Head cable outlet	straight
Head thread type	M12
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)

## Standards and regulations

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Standards/specifications

IEC 61076-2-101

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