

1507777

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Data connector, PROFIBUS, INTERBUS, 5-position, shielded, Socket straight M12, coding: B, Screw connection, knurl material: Zinc die-cast, nickel-plated, cable gland Pg9, external cable diameter 6.5 mm ... 8.5 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	1507777
Packing unit	1 pc
Sales key	BF30
Product key	BF2CBA
Catalog page	Page 422 (C-2-2019)
GTIN	4017918900434
Weight per piece (including packing)	47.86 g
Weight per piece (excluding packing)	47.86 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

#### General

**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.

### Mounting

#### Connection method

Screw connection

### Product properties

#### Product type

Circular connector (cable-side)

#### Sensor type

PROFIBUS

#### Number of positions

5

#### Application

Data

#### No. of cable outlets

1

#### Shielded

yes

#### Coding

B

#### Cable outlet

straight

#### Pg screw connection

Pg9

### Insulation characteristics

#### Overvoltage category

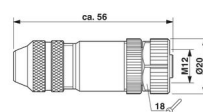
II

#### Degree of pollution

3

### Dimensions

#### Dimensional drawing



#### Width

20 mm

#### Height

20 mm

#### Length

56 mm

### External dimensions

#### Outside diameter

6.5 mm ... 8.5 mm

### Housing

#### Diameter housing

20 mm

### Material specifications

#### Flammability rating according to UL 94

HB

#### Seal material

NBR

# SACC-M12FSB-5CON-PG9 SH AU - Data connector



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Material of grip body	Zinc die-cast, nickel-plated
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated

## Connection data

### Conductor connection

Connection method	Screw connection
Connection 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)
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 nut with 4 mm ... 8 mm external cable diameter)
	1 Nm ... 1.4 Nm (Pressure nut with 8 mm ... 12 mm external cable diameter)

## Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 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
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## Connector

### Connection 1

Head design	Socket
Head cable outlet	straight
Head thread type	M12
Coding	B

## Cable/line

Signal type/category	PROFIBUS
	INTERBUS

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Stripping length of the individual wire	5 mm
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## Environmental and real-life conditions

### Ambient conditions

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

## Standards and regulations

### M12

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

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