

# SACC-M12FSB-5CON-DM 5-8 SH VA - Connector



1440135

<https://www.phoenixcontact.com/us/products/1440135>

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Connector, 5-position, shielded, Socket straight M12, coding: B, Screw connection, knurl material: Stainless steel 1.4404, cable gland M16, external cable diameter 5.5 mm ... 8.6 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	1440135
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF30
Product key	BF2CBA
Catalog page	Page 139 (C-4-2013)
GTIN	4046356483339
Weight per piece (including packing)	61.79 g
Weight per piece (excluding packing)	61.79 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)

#### Number of positions

5

#### No. of cable outlets

1

#### Shielded

yes

#### Coding

B

#### Cable outlet

straight

#### Pg screw connection

M16

### Insulation characteristics

#### Overvoltage category

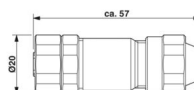
II

#### Degree of pollution

3

### Dimensions

#### Dimensional drawing



#### Length

57 mm

### External dimensions

#### Outside diameter

5.5 mm ... 8.6 mm

### Housing

#### Diameter housing

20 mm

### Material specifications

#### Flammability rating according to UL 94

V0

#### Seal material

FKM

#### Material of grip body

Stainless steel 1.4404

#### Contact material

CuZn

#### Contact surface material

Au

#### Contact carrier material

PA

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Material for screw connection	Stainless steel 1.4404
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## 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 sleeve housing with 4 mm ... 8 mm external cable diameter )
	1 Nm ... 1.4 Nm (Pressure nut with sleeve housing 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

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

### Ambient conditions

Degree of protection	IP67
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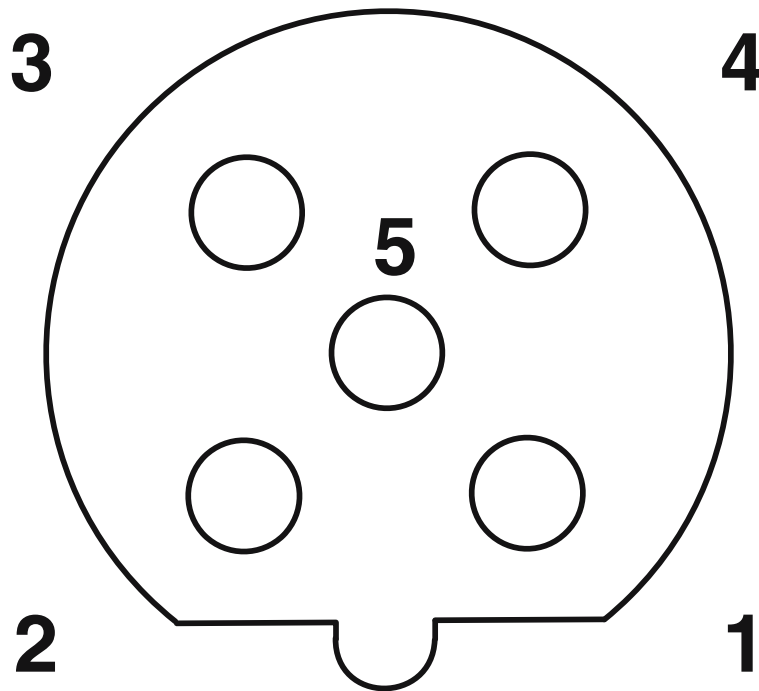
	IP69K
Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)

## Standards and regulations

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

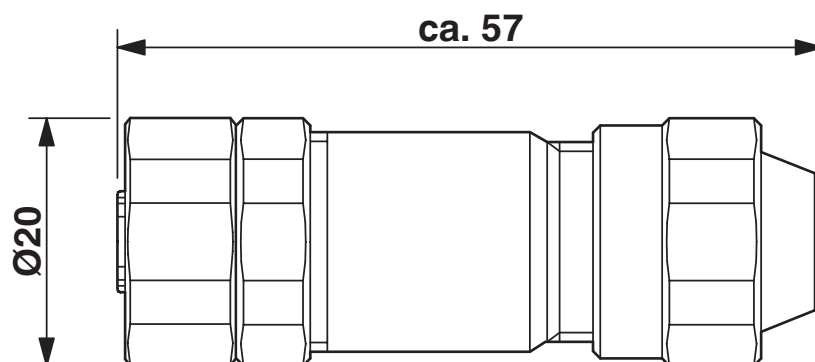
## Drawings

Schematic diagram



Pin assignment M12 socket, 5-pos., B-coded, female side

Dimensional drawing

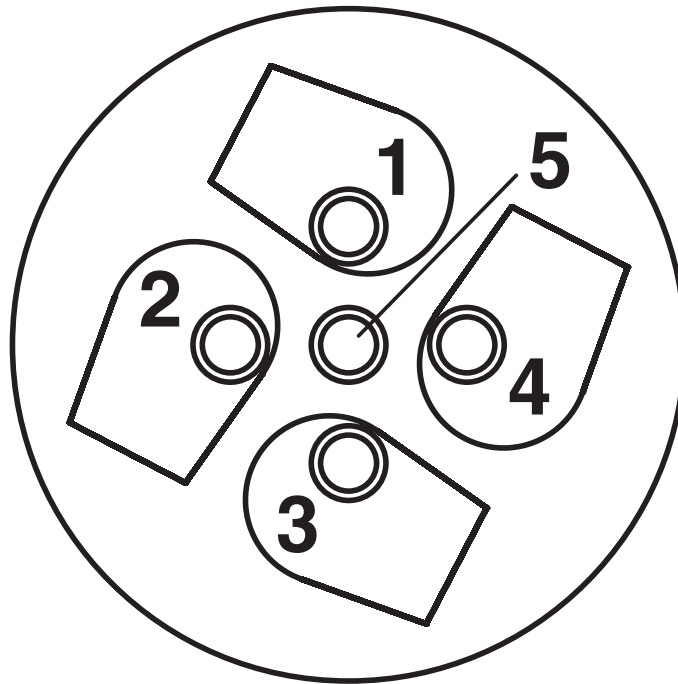


M12 x 1 socket, straight, shielded

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Schematic diagram



Cable connection side M12 (screw connection)

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## Approvals

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 <b>cUL Recognized</b> Approval ID: FILE E 221474				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
	60 V	4 A	-	-

 <b>UL Recognized</b> Approval ID: FILE E 221474				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
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<b>cULus Recognized</b>				
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## Classifications

### ECLASS

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

### ETIM

ETIM 9.0	EC002635
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### UNSPSC

UNSPSC 21.0	39121400
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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"

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