SACC-M 8MS-3CON-M-SH - Connector

1506901

https://www.phoenixcontact.com/in/products/1506901

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Connector, Universal, 3-position, shielded, Plug straight M8, A, Solder connection, knurl material: Nickel-plated brass, external cable diameter 3.5 mm ... 5 mm

Your advantages

- Safe use in the field, thanks to a high degree of protection
- Reliable signal transmission – 360° shielding in environments with electromagnetic interference

Commercial Data

Item number	1506901
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	BF2
Product Key	BF2BJA
Catalog Page	Page 18 (C-2-2019)
GTIN	4017918881191
Weight per Piece (including packing)	19.62 g
Weight per Piece (excluding packing)	17.625 g
Customs tariff number	85366990
Country of origin	DE

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Technical Data

Notes

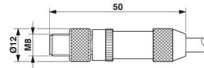|	
Assembly instruction:	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.

Product properties

Product type	Circular connector (cable-side)
Number of positions	3
No. of cable outlets	1
Shielded	yes
Coding	A

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Dimensional drawing	
Length	50 mm

External dimensions

Outside diameter	3.5 mm ... 5 mm

Housing

Diameter housing	12 mm

Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
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

Connection data

Conductor connection

Connection method	Solder connection

Connection cross section	0.08 mm² ... 0.25 mm² (flexible)
	0.08 mm² ... 0.25 mm² (solid)
Connection cross section AWG	28 ... 24 (flexible)
	28 ... 24 (solid)
Stripping length of the individual wire	3 mm
Tightening torque	0.2 Nm (M8 knurl)

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U_N	48 V AC
	60 V DC
Nominal current I_N	4 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100

Connector

Connection 1

Head design	Plug
Head cable outlet	straight
Head thread type	M8
Coding	A

Cable/line

Signal type/category	Universal
Stripping length of the individual wire	3 mm

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Standards/specifications	IEC 61076-2-104

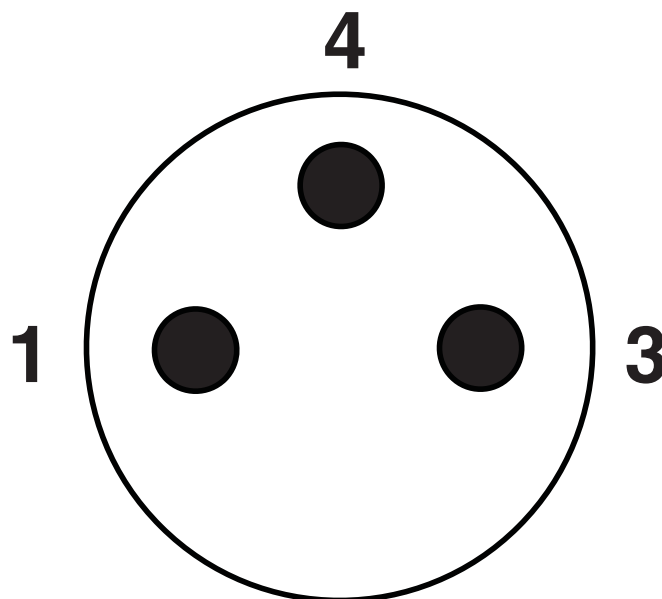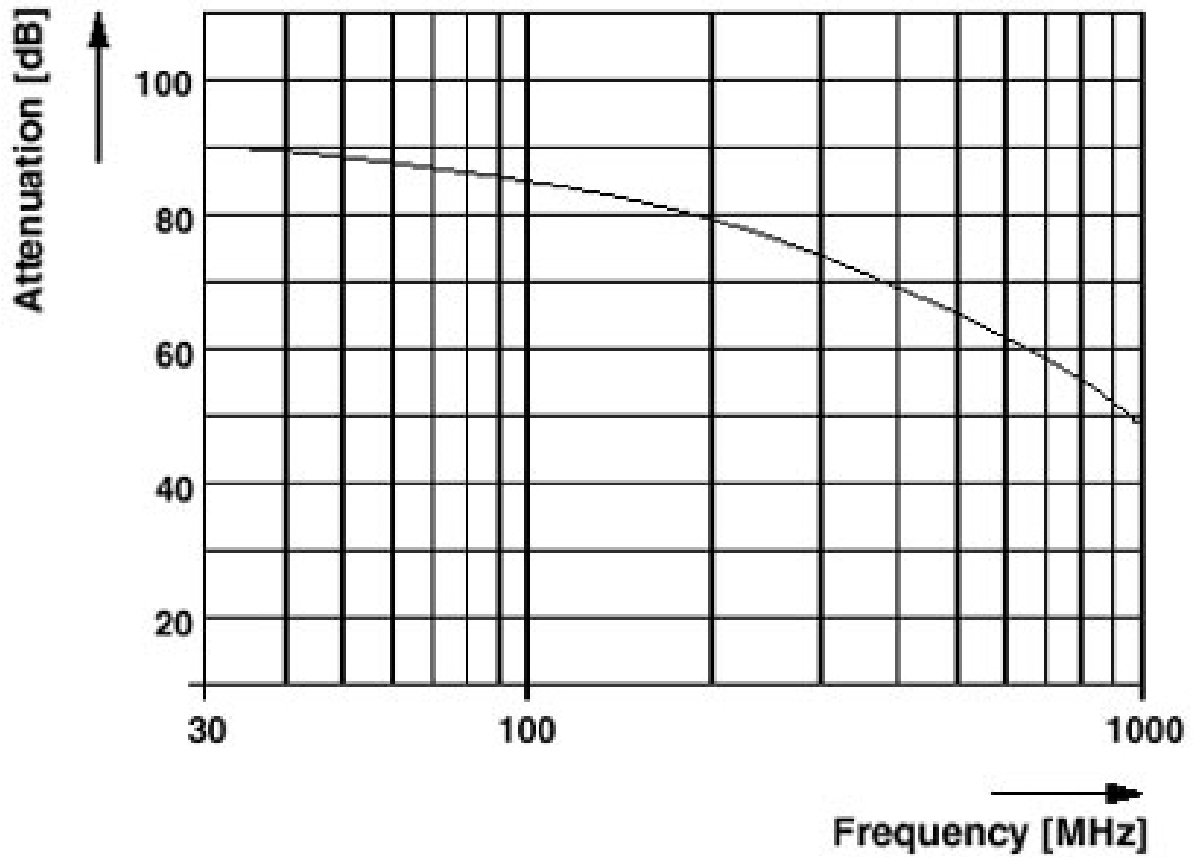## Drawings

Schematic diagram

Pin assignment M8 plug, 3-pos., view male side

Diagram

Attenuation curve of the SACC... male/female connectors

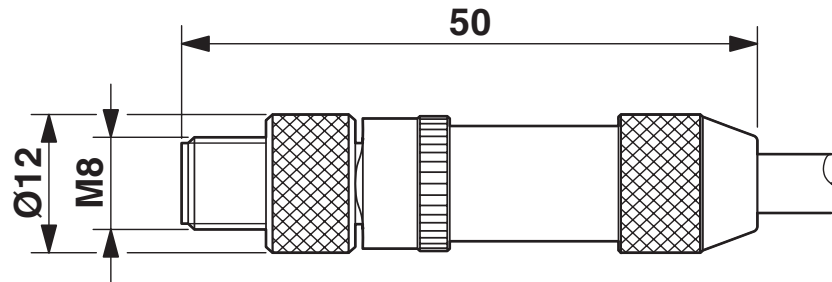## Dimensional drawing

50

Ø12 **M8**
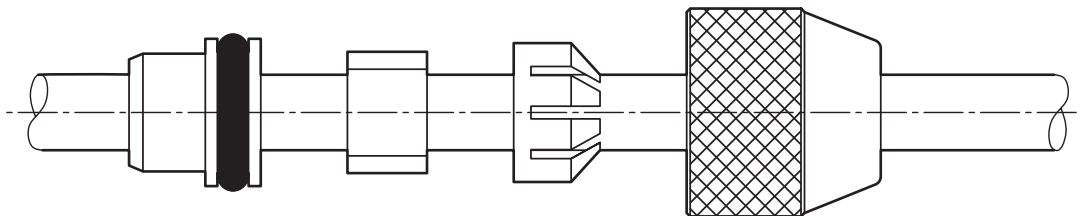
Plug M8 x 1, straight, shielded

Functional drawing

Assembly steps for M8 male/female plug and conductor

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Approvals

UL Listed
Approval ID: FILE E 221474

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	60 V	4 A	-	-

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Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002635

UNSPSC

UNSPSC 21.0	39121400

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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Accessories

TSD 02 SAC - Torque screwdriver

1208487

https://www.phoenixcontact.com/in/products/1208487

Torque screwdriver, with preset torque of 0.2 Nm and 4 mm hexagonal drive for M8 connectors

SACC BIT M8-D12 - Tool

1208474

https://www.phoenixcontact.com/in/products/1208474

Nut for assembling M8 connectors with longitudinal knurl and a knurl diameter of 12 mm, for 4 mm hexagonal drive

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PROT-M 8 FS-PA-CHAIN - Sealing cap

1430857

https://www.phoenixcontact.com/in/products/1430857

M8 sealing cap made of plastic with fixing band for sensor cables, for M8 plugs

TSD-M 1,2NM - Torque screwdriver

1212224

https://www.phoenixcontact.com/in/products/1212224

Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.
3 - 1.2 Nm

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TSD-M SAC-BIT ADAPTER - Adapter insert

1212600

https://www.phoenixcontact.com/in/products/1212600

Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

SAC-3P-100,0-PUR/SH-0,25 - Cable reel

1526525

https://www.phoenixcontact.com/in/products/1526525

By the meter, Cable reel, shielded, PUR halogen-free, black-gray RAL 7021, 3-wire, color single wire: brown, blue, black, cable length: 100 m

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WIREFOX SAC - Stripping tool

1212623

https://www.phoenixcontact.com/in/products/1212623

Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 4.4 to 7 mm, any stripping length

WIREFOX SAC-1 - Stripping tool

1212757

https://www.phoenixcontact.com/in/products/1212757

Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 3.2 to 4.4 mm, any stripping length

VS-CABLE-STRIP-VARIO - Stripping tool

1657407

https://www.phoenixcontact.com/in/products/1657407

Stripping tool, for the multi-level stripping of shielded cables

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