

# Connector - SACC-M 8FS-4CON-M-0,34-SH



1542910

<https://www.phoenixcontact.com/pc/products/1542910>

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Connector, Universal, 4-position, shielded, Socket straight M8, Coding: A, Screw connection, knurl material: Nickel-plated brass, external cable diameter 3.5 mm ... 5.5 mm

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## 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

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## Commercial Data

Item number	1542910
Packing unit	1 pc
Minimum order quantity	1 pc
Product Key	BF2BBA
Catalog Page	Page 201 (C-6-2019)
GTIN	4046356097796
Weight per Piece (including packing)	30.61 g
Weight per Piece (excluding packing)	29.69 g
Customs tariff number	85366990
Country of origin	DE

## Technical Data

### Notes

Assembly instruction:	<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.
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### Product properties

Product type	Circular connector (cable-side)
Number of positions	4
No. of cable outlets	1
Shielded	yes
Coding	A - standard
Cable outlet	straight

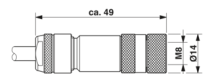
### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Ambient conditions

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

### Dimensions

Dimensional drawing	
Length	49 mm

### External dimensions

Outside diameter	3.5 mm ... 5.5 mm
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### Housing

Diameter housing	14 mm
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### Connector

Insertion/withdrawal cycles	≥ 100
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### Header 1

Head design	Socket
Head cable outlet	straight
Head thread type	M8
Coding	A-coded

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Number of positions	4
Coding	A - standard
Insertion/withdrawal cycles	≥ 100
Connection method	Screw connection
Contact material	CuZn
Contact surface material	Au
Number of positions	4
Coding	A - standard
Insertion/withdrawal cycles	≥ 100
Connection method	Screw connection
Contact material	CuZn
Contact surface material	Au

## Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	30 V AC
	30 V DC
Nominal current I <sub>N</sub>	4 A

## Material specifications

Flammability rating according to UL 94	HB
Sealing material	NBR
Material of grip body	Nickel-plated brass
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Cable gland material	Nickel-plated brass

## Connection data

Conductor connection	
Connection method	Screw connection
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>
Cross section AWG	26 ... 20

## Mounting

Assembly instructions	The wires can be connected both with ferrules (without insulation) and without ferrules.
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## Standards and regulations

M8	
Standards/specifications	IEC 61076-2-104

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## Cable / line

### Cable structure

Signal type/category	Universal
Stripping length of the individual wire	4 mm

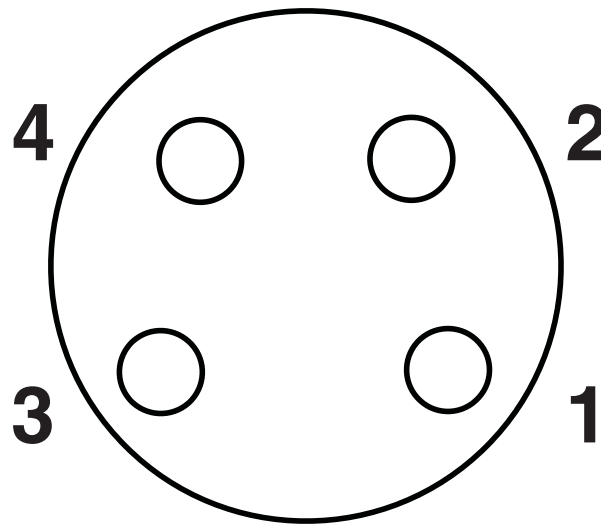
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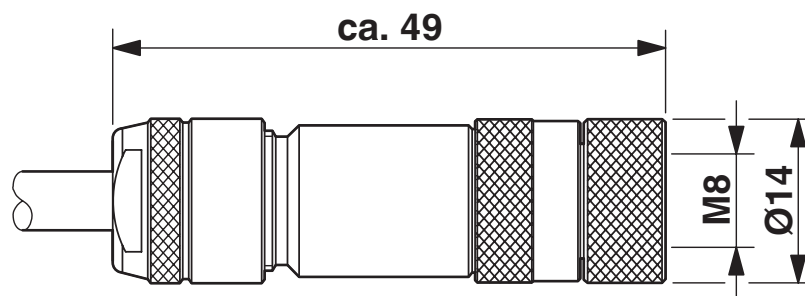
## Drawings

Schematic diagram



Pin assignment M8 socket, 4-pos., view female side

Dimensional drawing



Socket M8 x 1, straight, shielded

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## Approvals

 <b>UL Listed</b> Approval ID: FILE E 221474				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	30 V	4 A	-	-

 <b>cUL Listed</b> Approval ID: FILE E 221474				
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	30 V	4 A	-	-

<b>cULus Listed</b>				
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## Classifications

### ECLASS

ECLASS-10.0.1	27440102
ECLASS-9.0	27440102
ECLASS-11.0	27440102

### ETIM

ETIM 8.0	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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## Accessories

### Screw plug

Screw plug - PROT-M 8 MS-PA-CHAIN - 1430860

<https://www.phoenixcontact.com/pc/products/1430860>

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



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### Cable reel

Cable reel - SAC-4P-100,0-PUR/SH-0,25 - 1535794

<https://www.phoenixcontact.com/pc/products/1535794>

By the meter, Cable reel, shielded, PUR halogen-free, black-gray RAL 7021, 4-wire, color single wire: brown, white, blue, black, cable length: 100 m



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## Cable reel

Cable reel - SAC-4P-100,0-PUR/SH-0,34 - 1501715

<https://www.phoenixcontact.com/pc/products/1501715>



By the meter, Cable reel, shielded, PUR halogen-free, black-gray RAL 7021, 4-wire, color single wire: brown, white, blue, black, cable length: 100 m

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## Torque screwdriver

Torque screwdriver - TSD 02 SAC - 1208487

<https://www.phoenixcontact.com/pc/products/1208487>



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

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## Torque screwdriver

Torque screwdriver - TSD-M 1,2NM - 1212224

<https://www.phoenixcontact.com/pc/products/1212224>



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

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## Adapter insert

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600

<https://www.phoenixcontact.com/pc/products/1212600>



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

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## Tool

Tool - SAC BIT M12-D15 - 1208432

<https://www.phoenixcontact.com/pc/products/1208432>



Nut for assembling sensor/actuator cables with M12 connector and M12 connectors for assembly, with a knurl diameter of 15 mm, for 4 mm hexagonal drive

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