

# SACC-M 8FR-3CON-SH - Connector



1436479

<https://www.phoenixcontact.com/us/products/1436479>

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Connector, Universal, 3-position, shielded, Socket angled M8, coding: A, Solder connection, knurl material: Brass, nickel-plated, 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	1436479
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF35
Product key	BF2BJA
Catalog page	Page 18 (C-2-2019)
GTIN	4046356436403
Weight per piece (including packing)	27.1 g
Weight per piece (excluding packing)	26.96 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Notes

General	<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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### Mounting

Assembly instructions	The connector pin assignment can be rotated 90° to the cable outlet
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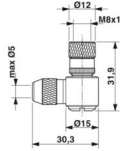
### Product properties

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

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Dimensions

Dimensional drawing	
Length	31.9 mm

### External dimensions

Outside diameter	3.5 mm ... 5 mm
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### Housing

Diameter housing	15 mm
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### Material specifications

Flammability rating according to UL 94	HB
Seal material	NBR
Material of grip body	Brass, nickel-plated
Contact material	CuZn
Contact surface material	Au

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Contact carrier material	PA
Material for screw connection	Brass, nickel-plated

## Connection data

### Conductor connection

Connection method	Solder connection
Connection cross section	0.08 mm <sup>2</sup> ... 0.25 mm <sup>2</sup> (flexible)
	0.08 mm <sup>2</sup> ... 0.25 mm <sup>2</sup> (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 <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	angled
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

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M8

Standard designation	M8 connector
Standards/specifications	IEC 61076-2-104

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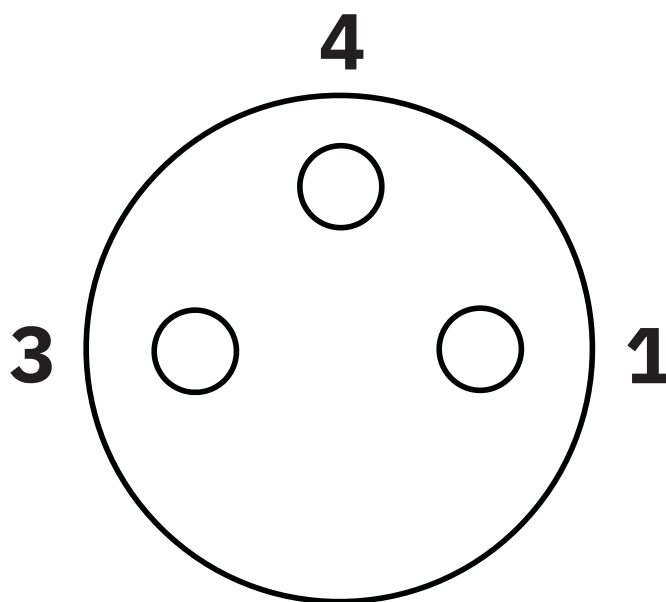
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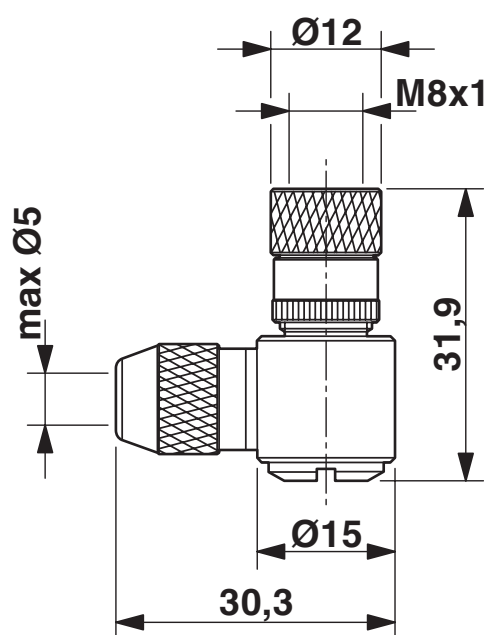
## Drawings

Schematic diagram



Pin assignment M8 socket, 3-pos., view female side

Dimensional drawing



Socket M8 x 1, angled, shielded

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1436479>

	<b>UL Listed</b>			
	Approval ID: FILE E 221474			
		Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG
		60 V	4 A	-

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

<b>cULus Listed</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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## Accessories

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

1430860

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

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



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

1526525

<https://www.phoenixcontact.com/us/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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## TSD 02 SAC - Torque screwdriver

1208487

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



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

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## SACC BIT M8-D12 - Tool

1208474

<https://www.phoenixcontact.com/us/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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## TSD-M 1,2NM - Torque screwdriver

1212224

<https://www.phoenixcontact.com/us/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/us/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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## WIREFOX SAC - Stripping tool

1212623

<https://www.phoenixcontact.com/us/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

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## WIREFOX SAC-1 - Stripping tool

1212757

<https://www.phoenixcontact.com/us/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

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## VS-CABLE-STRIP-VARIO - Stripping tool

1657407

<https://www.phoenixcontact.com/us/products/1657407>

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



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