

# 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

Assembly note	<b>NOTE:</b> Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties.
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### Mounting

Assembly note	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

### Data management status

Article revision	01
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### Insulation characteristics

Overtvoltage 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

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Contact material	CuZn
Contact surface material	Au
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)

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## Standards and regulations

M8

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

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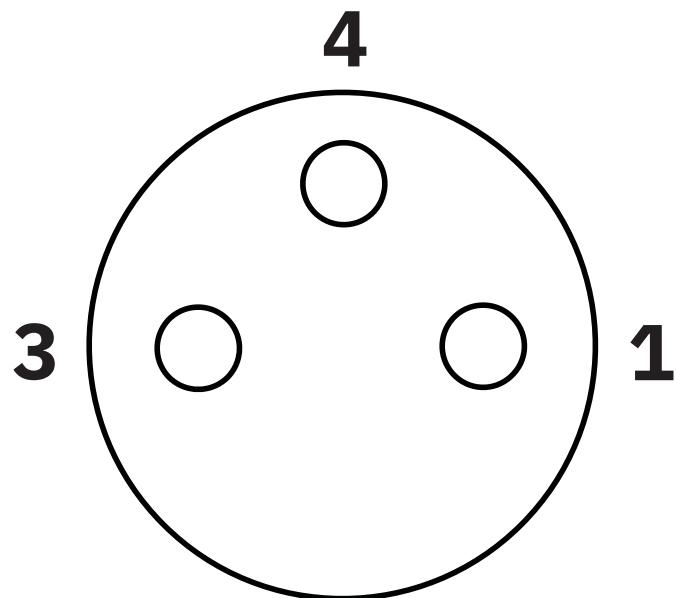
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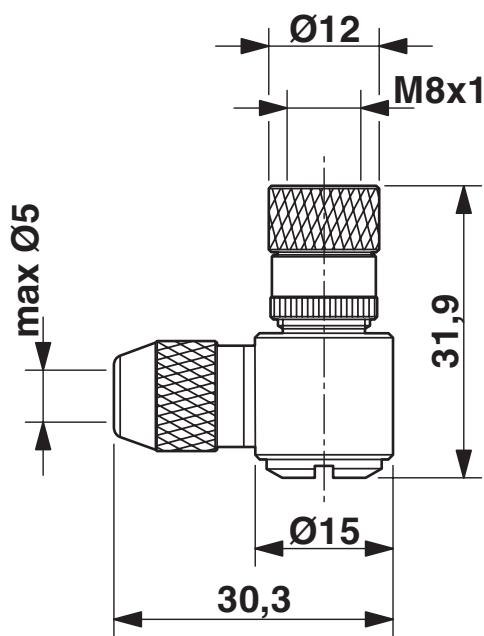
## Drawings

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>

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	-	-

cUL 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	-	-

cULus Listed

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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

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.	

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	cd1d8344-9654-44bb-aaa2-0cf561f71ce0

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