

# Connector - SACC-M 8MR-4CON-M



1554209

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Connector, Universal, 4-position, Plug angled M8, Coding: A, Solder connection, knurl material:  
Nickel-plated brass, external cable diameter 3.5 mm ... 5 mm



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## Your advantages

- Safe use in the field, thanks to a high degree of protection

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## Commercial Data

Item number	1554209
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	BF2BIA
Product Key	BF2BIA
Catalog Page	Page 18 (C-2-2019)
GTIN	4046356161756
Weight per Piece (including packing)	10.6 g
Weight per Piece (excluding packing)	10.6 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	4
Coding	A - standard

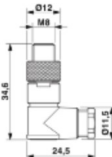
### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Ambient conditions

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

### Dimensions

Dimensional drawing	
Length	34.6 mm

### External dimensions

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

Diameter housing	12 mm
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### Connector

Insertion/withdrawal cycles	≥ 100
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### Header 1

Head design	Plug
Head cable outlet	angled
Head thread type	M8
Coding	A-coded

### Electrical properties

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Rated surge voltage	0.8 kV
Contact resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	30 V AC
	30 V DC
Nominal current $I_N$	4 A

## Material specifications

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

## Connection data

Connection technology	
Connection method	Solder connection
Outside diameter	3.5 mm ... 5 mm
Conductor connection	
Connection method	Solder connection
Conductor cross section flexible	0.08 mm <sup>2</sup> ... 0.25 mm <sup>2</sup>
Cross section AWG	28 ... 24

## Mounting

Assembly instructions	The connector pin assignment can be rotated 90° to the cable outlet
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## Standards and regulations

M8	
Standards/specifications	IEC 61076-2-104

## Cable / line

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

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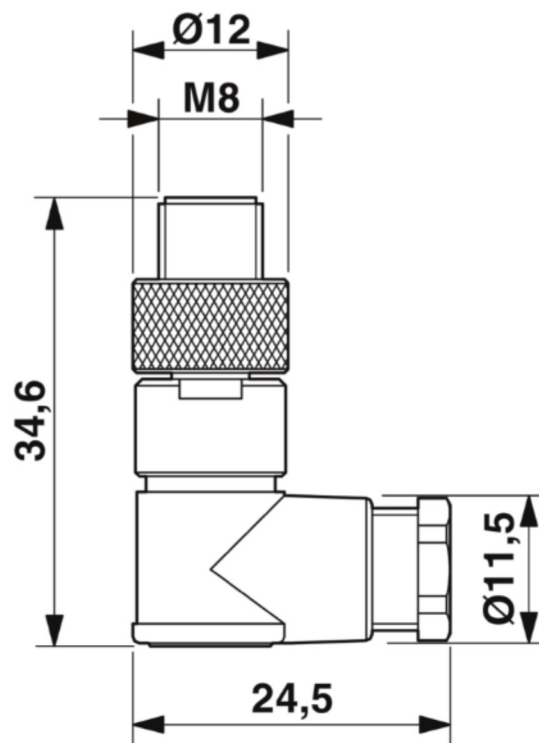
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## Drawings

Dimensional drawing



M8 x 1 male plug, angled version

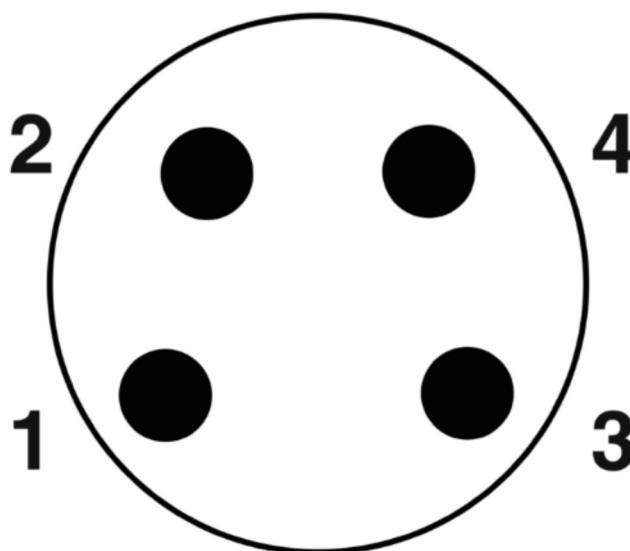
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Schematic diagram



Pin assignment M8 plug, 4-pos., view male side


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## Approvals

UL Listed 	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	30 V	4 A	-	-

cUL Listed 	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
	30 V	4 A	-	-

cULus Listed
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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	39121413
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## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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## Accessories

### Cable reel

Cable reel - SAC-4P-100,0-PUR/0,25 - 1501692



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

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### Connector

Connector - SACC-M 8-SET/2,2-3,5 - 1436945



Sensor/actuator connector, accessories, pressure screw and seal, for unshielded M8 connector, cable diameter 2.2 mm - 3.5 mm

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## Torque screwdriver

Torque screwdriver - TSD 02 SAC - 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



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



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

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## Sealing cap

Sealing cap - PROT-M 8 FS-PA-CHAIN - 1430857



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

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## Tool

Tool - SACC BIT M8-D12 - 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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