

# SACC-M 8MR-3CON-M-SW - Connector



1407583

<https://www.phoenixcontact.com/us/products/1407583>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Connector, Universal, 3-position, Plug angled M8, coding: A, Screw 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
- Screw connection: proven connection technology for a large selection of different conductors

## Commercial data

Item number	1407583
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF30
Product key	AF2BAA
Catalog page	Page 17 (C-2-2019)
GTIN	4046356780032
Weight per piece (including packing)	13.2 g
Weight per piece (excluding packing)	13.2 g
Customs tariff number	85366990
Country of origin	DE

# SACC-M 8MR-3CON-M-SW - Connector



1407583

<https://www.phoenixcontact.com/us/products/1407583>

## 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.
---------------	---

### Mounting

Assembly note	The wires can be connected both with ferrules (without insulation) and without ferrules. The connector pin assignment can be rotated 180° to the cable outlet
---------------	--

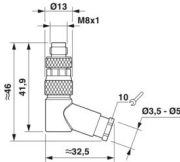
### Product properties

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

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Dimensions

Dimensional drawing	
Width	13 mm
Height	32.5 mm
Length	46 mm

### External dimensions

Outside diameter	3.5 mm ... 5 mm
------------------	-----------------

### Housing

Diameter housing	13 mm
------------------	-------

### Material specifications

Flammability rating according to UL 94	HB
--	----

# SACC-M 8MR-3CON-M-SW - Connector



1407583

<https://www.phoenixcontact.com/us/products/1407583>

Seal material	NBR
Material of grip body	PBT
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material for screw connection	Brass, nickel-plated

## Connection data

### Conductor connection

Connection method	Screw connection
Connection cross section	0.14 mm² ... 0.5 mm² (without ferrule)
	0.14 mm² ... 0.5 mm² (with ferrule)
	0.14 mm² ... 0.5 mm² (solid)
Connection cross section AWG	26 ... 20 (without ferrule)
Stripping length of the individual wire	4 mm
Tightening torque	0.2 Nm (M8 knurl)
	0.5 Nm (Connector with coupling sleeve)
	0.3 Nm ... 0.4 Nm (Pressure screw for outer cable diameter 3 mm ... 4 mm)
	0.8 Nm ... 1 Nm (Pressure screw in the case of external cable diameter 4 mm ... 5 mm)
	0.1 Nm (Screw terminal blocks)

## Electrical properties

Rated surge voltage	1.5 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
-----------------------------	-------

## Connector

### Connection 1

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

## Cable/line

Signal type/category	Universal
----------------------	-----------

# SACC-M 8MR-3CON-M-SW - Connector



1407583

<https://www.phoenixcontact.com/us/products/1407583>

Stripping length of the individual wire	4 mm
---	------

## Environmental and real-life conditions

### Ambient conditions

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

## Standards and regulations

### M8

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

# SACC-M 8MR-3CON-M-SW - Connector

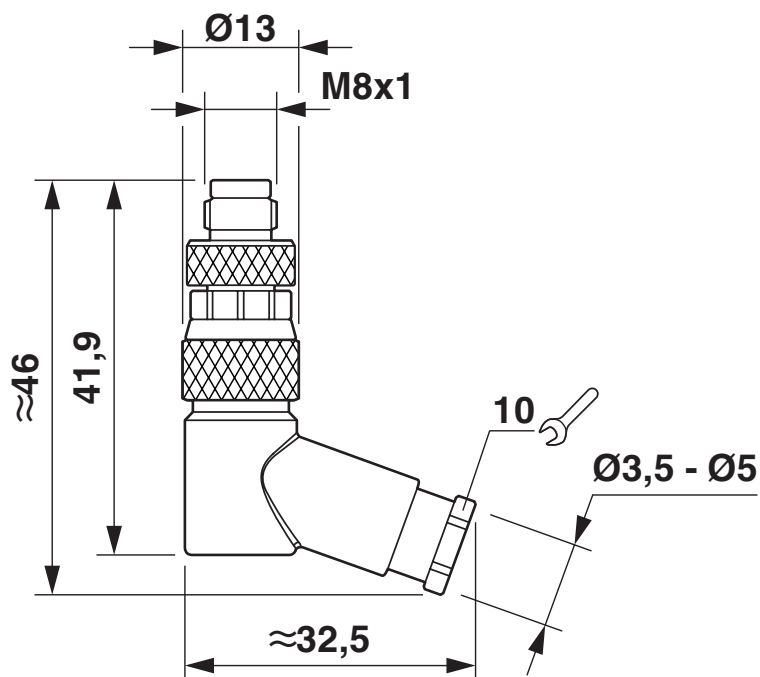
1407583

<https://www.phoenixcontact.com/us/products/1407583>



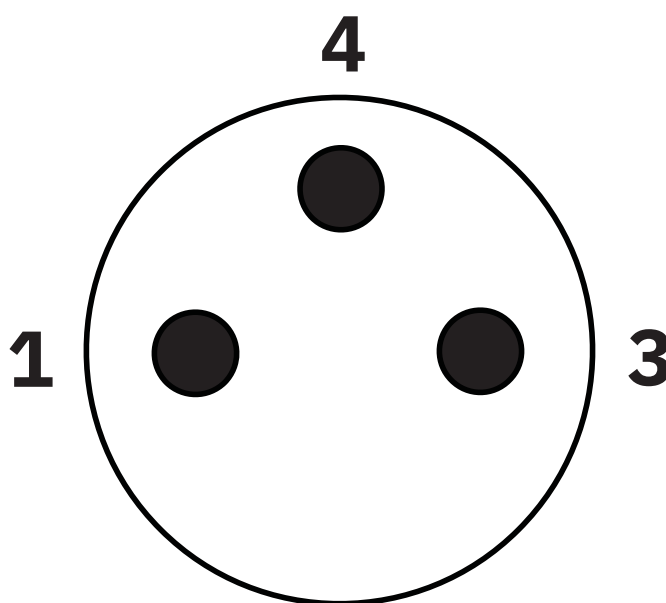
## Drawings

Dimensional drawing



Socket M8 x 1, angled

Schematic diagram



M8 plug pin assignment, 3-pos., view of pin side

# SACC-M 8MR-3CON-M-SW - Connector



1407583

<https://www.phoenixcontact.com/us/products/1407583>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1407583>

	<b>UL Listed</b>			
	Approval ID: FILE E 221474			
		Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG
		60 V	4 A	-
				Cross section $\text{mm}^2$
				-

	<b>cUL Listed</b>			
	Approval ID: FILE E 221474			
		Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG
		60 V	4 A	-
				Cross section $\text{mm}^2$
				-

# SACC-M 8MR-3CON-M-SW - Connector



1407583

<https://www.phoenixcontact.com/us/products/1407583>

## Classifications

### ECLASS

ECLASS-13.0	27440116
-------------	----------

### ETIM

ETIM 9.0	EC002635
----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

# SACC-M 8MR-3CON-M-SW - Connector



1407583

<https://www.phoenixcontact.com/us/products/1407583>

## 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	cb7d12d2-a324-4ddb-b74a-84d780b7a56e

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)