

# SACC-M 8MS-3PL-M - Connector



1482516

<https://www.phoenixcontact.com/us/products/1482516>

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Connector, Universal, 3-position, unshielded, Plug straight M8, coding: A, Push-lock spring connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 3.5 mm ... 5.5 mm

## Your advantages

- Time-saving Push-Lock connection: Tool-free connection and disconnection of conductors by opening the contact levers
- Intuitive connection: Easy assignment of individual litz wires with color-coded and numerical identification of the contact levers
- Integrated Push-in Technology: Wire rigid and pretreated conductors easily by means of simple, direct insertion
- Shock- and vibration-resistant connection: Proven spring-cage technology guarantees secure and reliable contacting
- Safe use in the field, thanks to a high degree of protection

## Commercial data

Item number	1482516
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF33
Product key	AF2BEA
GTIN	4067923233638
Weight per piece (including packing)	12.9 g
Weight per piece (excluding packing)	22.22 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.
General	The user must take appropriate safety precautions so that the connector cannot be accidentally loosened or opened. To protect against unintentional opening of the connector, the thread must be secured between the housing and the connector head using a suitable cyanoacrylate adhesive.

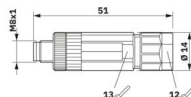
### Product properties

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

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Dimensions

Dimensional drawing	
Width	14 mm
Height	14 mm
Length	51 mm

### External dimensions

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

Diameter housing	14 mm
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### Material specifications

Material	PBT
	PA 6 (Actuation lever)
Flammability rating according to UL 94	V0

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Seal material	NBR
Material of grip body	PA 6.6
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated

## Connection data

### Conductor connection

Connection method	Push-lock spring connection
Connection cross section	0.14 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>
Connection cross section AWG	26 ... 20
Stripping length of the individual wire	7 mm
Tightening torque	0.2 Nm (M8 knurl)
	0.2 Nm (Connector with coupling sleeve)
	1.5 Nm (Pressure nut with coupling sleeve)

### Connection assignment

Contact   Color (signal designation)   Contact (optional)	1 = BN
	3 = BU
	4 = BK

## Electrical properties

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	Plug
Head cable outlet	straight
Head thread type	M8
Coding	A

## Cable/line

Signal type/category	Universal
Stripping length of the individual wire	7 mm

## Environmental and real-life conditions

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## Ambient conditions

Degree of protection	IP65
	IP67
Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)

## Standards and regulations

### M8

Standard designation	M8 connector
Standards/specifications	IEC 61076-2-104
Standard designation	Shock, vibration
Standards/specifications	EN 50155 Cat. 1B

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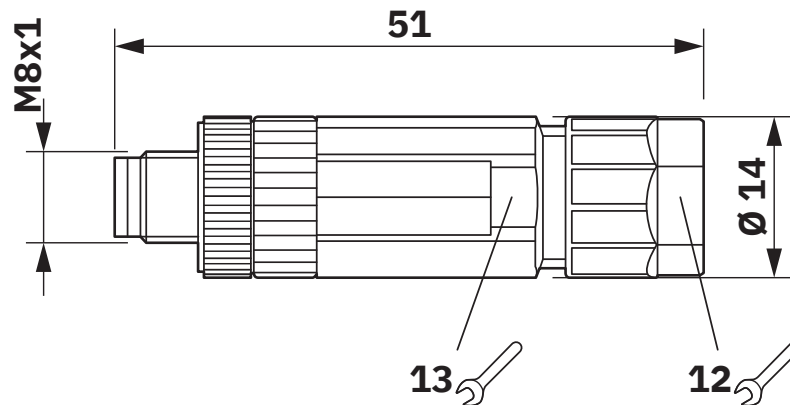
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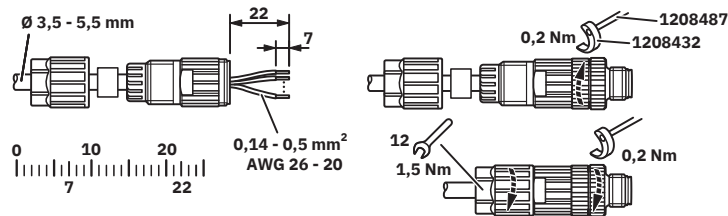


## Drawings

Dimensional drawing



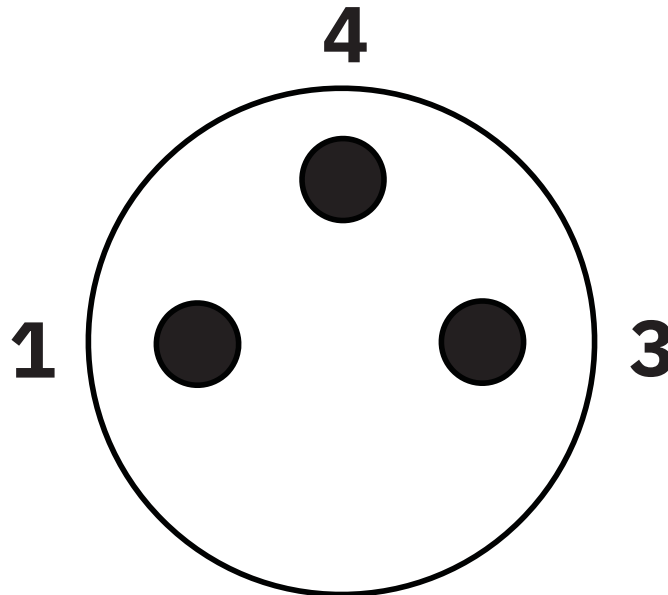
Functional drawing



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Schematic diagram



Pin assignment M8 plug, 3-pos., view male side

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## Classifications

### ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	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, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)