

# SACC-M12MS-5SC M - Connector



1508187

<https://www.phoenixcontact.com/us/products/1508187>

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Connector, 5-position, Plug straight M12, coding: A, Spring-cage connection, knurl material: Zinc die-cast, nickel-plated, external cable diameter 4 mm ... 8 mm

## Your advantages

- Safe use in the field, thanks to a high degree of protection
- Spring-cage connection: connect more securely, even in the case of shock and vibration, thanks to high contact forces

## Commercial data

Item number	1508187
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF33
Product key	AF2CEA
GTIN	4017918945930
Weight per piece (including packing)	20.4 g
Weight per piece (excluding packing)	20.4 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Mounting

Assembly note	The wires can be connected both with ferrules and without ferrules
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### Product properties

Product type	Circular connector (cable-side)
Number of positions	5
No. of cable outlets	1
Shielded	no
Coding	A

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Dimensions

#### External dimensions

Outside diameter	4 mm ... 8 mm
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### Material specifications

Flammability rating according to UL 94	V0
Seal material	Neoprene
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	Spring-cage 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	10 mm
Tightening torque	0.4 Nm (M12 knurl) 0.4 Nm (Connector with coupling sleeve) 1.5 Nm (Pressure nut with coupling sleeve)

### Electrical properties

Contact resistance	≤ 8 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U <sub>N</sub>	60 V

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Nominal current $I_N$	4 A
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## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	$\geq 100$
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## Connector

### Connection 1

Head design	Plug
Head cable outlet	straight
Head thread type	M12
Coding	A

## Cable/line

Stripping length of the individual wire	10 mm
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65
Ambient temperature (operation) (male connector/female connector)	-40 °C ... 85 °C (Plug / socket)

## Standards and regulations

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101

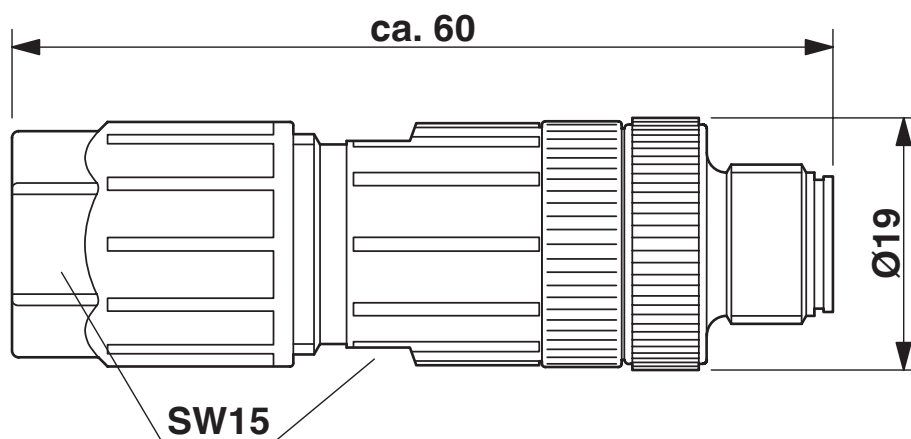
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## Drawings

Dimensional drawing



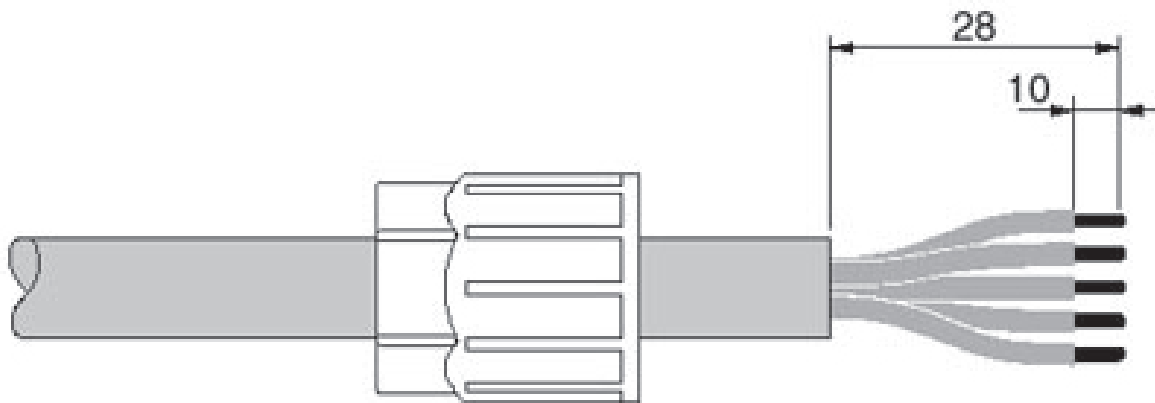
Plug, M12 x 1, straight

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## Functional drawing



Strip 28 mm off the cable, 35 mm in the case of the angled version, strip single wires, push the pressure nut onto the cable. Slide the wires through the sleeve housing and connect, screw sleeve housing to the plug insert, screw the pressure nut tight.

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Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side

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## Classifications

### ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

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