

## Connector - SACC-M12MS-4SC M - 1513716

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Connector, 4-position, Plug straight M12, A-coded, Spring-cage connection, Knurl material: Zinc die-cast, nickel-plated, External cable diameter 4 mm ... 8 mm

### Product Features

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



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	19.4 g
Custom tariff number	85366990
Country of origin	Germany

### Technical data

#### Dimensions

External diameter	4 mm ... 8 mm
Stripping length of the sheath	28 mm
Stripping length of the individual wire	10 mm

#### Ambient conditions

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

#### General

Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	4
Contact resistance	≤ 8 mΩ

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## Technical data

### General

Insulation resistance	$\geq 100 \text{ M}\Omega$
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II
Pollution degree	3
Connection method	Spring-cage connection
Conductor cross section	0.14 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>
AWG conductor cross section	26 ... 20
Insertion/withdrawal cycles	$\geq 100$
Torque	0.4 Nm (M12 knurl)
	0.4 Nm (Connector with coupling sleeve)
	1.5 Nm (Pressure nut with coupling sleeve)
Assembly instructions	The wires can be connected both with ferrules and without ferrules

### Material

Flammability rating according to UL 94	V0
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material of grip body	PA 66
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	Neoprene

## Classifications

### eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27279221
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104

### ETIM

ETIM 2.0	EC001121
ETIM 3.0	EC002062

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#### ETIM

ETIM 4.0	EC002062
ETIM 5.0	EC002062

#### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

### Approvals

#### Approvals


#### Approvals


UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

### Approval details


UL Recognized 	
Nominal current I <sub>N</sub>	4 A
Nominal voltage U <sub>N</sub>	300 V

cUL Recognized 	
Nominal current I <sub>N</sub>	4 A
Nominal voltage U <sub>N</sub>	300 V

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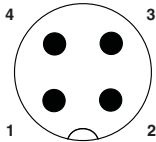
### Approvals

EAC

cULus Recognized 

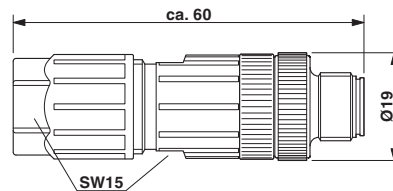
### Drawings

Schematic diagram



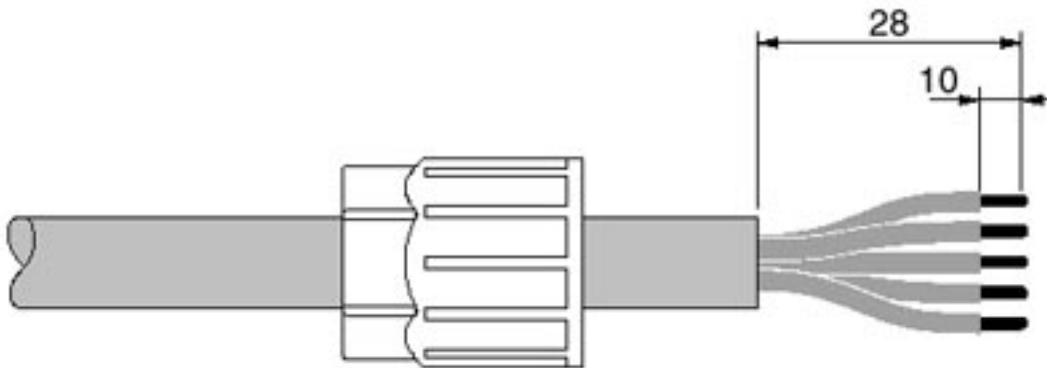
Pin assignment M12 plug, 4-pos., A-coded, view plug side

Dimensional drawing



M12 x 1 plug, straight

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.