

# SACC-M12FR-4SC - Connector



1513240

<https://www.phoenixcontact.com/us/products/1513240>

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Connector, 4-position, Socket angled M12, coding: A, Spring-cage connection, knurl material: Plastic, 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	1513240
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	BF33
Product key	BF2CEA
Catalog page	Page 33 (PC-2007)
GTIN	4017918946593
Weight per piece (including packing)	15.9 g
Weight per piece (excluding packing)	13.36 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Mounting

Assembly note	The connector pin assignment can be rotated 45° to the cable outlet
	The wires can be connected both with ferrules and without ferrules

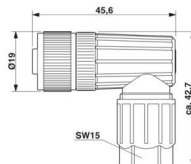
### Product properties

Product type	Circular connector (cable-side)
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	A
Cable outlet	angled

### Insulation characteristics

Overvoltage category	II
Degree of pollution	3

### Dimensions

Dimensional drawing	
Length	45.6 mm

### 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	Plastic

### Connection data

#### Conductor connection

Connection method	Spring-cage connection
Connection cross section	0.14 mm² ... 0.5 mm²

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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	$\leq 8 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage $U_N$	250 V
Nominal current $I_N$	4 A

## Mechanical properties

### Mechanical data

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

### Connection 1

Head design	Socket
Head cable outlet	angled
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)	-40 °C ... 85 °C (Plug / socket)

## Standards and regulations

### M12

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

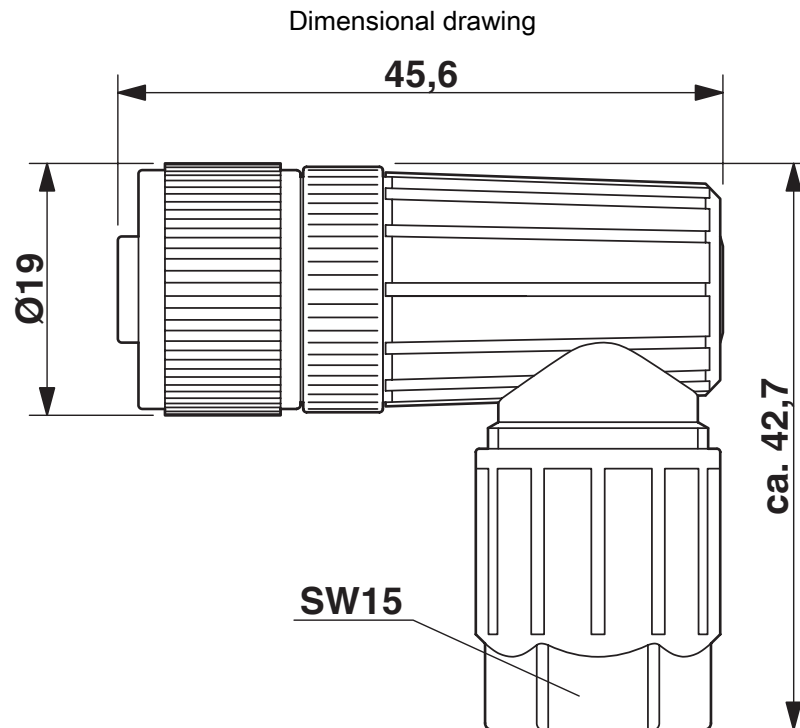
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## Drawings



M12 x 1 socket, angled

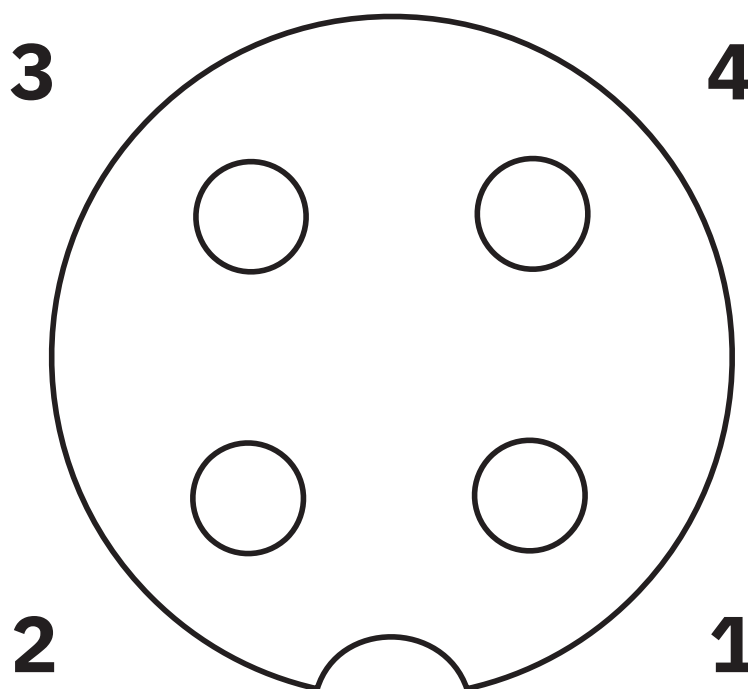
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Schematic diagram



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

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## Classifications

### ECLASS

ECLASS-11.0	27440102
ECLASS-13.0	27440116

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## Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
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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