

## Connector - SACC-M12FS-4QO-0,34 - 1641701

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Connector, Universal, 4-position, Socket straight M12, Coding: A, Insulation displacement connection, knurl material: Plastic, external cable diameter 3.5 mm ... 6 mm

### Your advantages

- Safe use in the field, thanks to a high degree of protection
- Flexible: connectors for on-site assembly
- Insulation displacement connection: innovative and time-saving assembly without stripping the single wire



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 925154
GTIN	4017918925154
Weight per Piece (excluding packing)	11.400 g
Custom tariff number	85366990
Country of origin	Germany
Sales Key	BF2CCA

### Technical data

#### Dimensions

Wrench size, union nut	13 mm
Diameter housing	16.3 mm
Length	51 mm
External cable diameter	3.5 mm ... 6 mm
Stripping length of the sheath	40 mm

#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Ambient temperature (assembly)	-5 °C ... 50 °C (During assembly)

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## Technical data

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Degree of protection	IP65
	IP67

### General

Note	NOTE: Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.
Rated current at 40°C	4 A
Rated voltage	125 V AC
	125 V DC
Number of positions	4
Color handle area	black
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector according to IEC 61076-2-101
Signal type/category	Universal
Status display	No
Overvoltage category	III
Degree of pollution	3
Connection method	Insulation displacement connection
Conductor cross section	0.14 mm <sup>2</sup> ... 0.34 mm <sup>2</sup>
Conductor cross section AWG	26 ... 22
Wire diameter including insulation	0.7 mm ... 1.6 mm
Frequency of connections between conductors of the same cross section	10
Wire insulation material	PVC / PE / PP / rubber
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	Class 2-6
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	1.2 Nm (Pressure nut)
Assembly instructions	AWG 20 conductor cross section upon request

### Material

Flammability rating according to UL 94	V0
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU
Material of grip body	PA 6
Material, knurls	Plastic
Sealing material	NBR

### Standards and Regulations

<https://www.phoenixcontact.com/gb/products/1641701>



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### Technical data

#### Standards and Regulations

Standards/specifications	M12 connector according to IEC 61076-2-101
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

#### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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