

SACC-M12MS-4QO-0,34-VA - Connector



1440753

<https://www.phoenixcontact.com/us/products/1440753>

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Connector, Universal, 4-position, Plug straight M12, coding: A, Insulation displacement connection, knurl material: Stainless steel 1.4404, external cable diameter 3.5 mm ... 6 mm

Your advantages

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

Commercial data

Item number	1440753
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF31
Product key	BF2CCA
Catalog page	Page 20 (C-2-2019)
GTIN	4046356517034
Weight per piece (including packing)	14.56 g
Weight per piece (excluding packing)	14.3 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

General

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.

Mounting

Assembly instructions

AWG 20 conductor cross section upon request

Product properties

Product type

Circular connector (cable-side)

Sensor type

Universal

Number of positions

4

No. of cable outlets

1

Shielded

no

Coding

A

Insulation characteristics

Overvoltage category

III

Degree of pollution

3

Dimensions

Dimensional drawing



Length

54 mm

Wrench size, union nut

13 mm

External dimensions

Outside diameter

3.5 mm ... 6 mm

Housing

Diameter housing

16.3 mm

Material specifications

Flammability rating according to UL 94

V0

Seal material

Neoprene

Material of grip body

PA 6

Contact material

CuSn

Contact surface material

Ni/Au

Contact carrier material

TPU

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Material for screw connection	Stainless steel 1.4404
Wire insulation material	PVC / PE / PP / rubber

Connection data

Conductor connection

Connection method	Insulation displacement connection
Connection cross section	0.14 mm ² ... 0.34 mm ²
Connection cross section AWG	26 ... 22
Tightening torque	0.4 Nm (M12 knurl)
	1.2 Nm (Pressure nut)

Pin assignment

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

Electrical properties

Rated surge voltage	2.5 kV
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	125 V AC
	125 V DC
Nominal current I _N	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	M12
Coding	A

Cable/line

Signal type/category	Universal
External cable diameter ()	3.5 mm ... 6 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
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	IP67
Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Ambient temperature (assembly)	-5 °C ... 50 °C (During assembly)

Standards and regulations

M12

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

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Classifications

ECLASS

ECLASS-11.0	27440102
ECLASS-12.0	27440116
ECLASS-13.0	27440116

ETIM

ETIM 9.0	EC002635
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

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

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