

SACC-M12FS-8CON-PG11-M - Connector



1410665

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Connector, Universal, 8-position, Socket straight M12, A, Screw connection, knurl material: Nickel-plated brass, cable gland Pg11, external cable diameter 8 mm ... 10 mm

Your advantages

- Safe use in the field, thanks to a high degree of protection
- Screw connection: proven connection technology for a large selection of different conductors

Commercial Data

Item number	1410665
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	BF2
Product Key	BF2CAA
Catalog Page	Page 22 (C-2-2019)
GTIN	4046356904667
Weight per Piece (including packing)	33.2 g
Weight per Piece (excluding packing)	32.74 g
Customs tariff number	85366990
Country of origin	CN

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Technical Data

Notes

Assembly instruction:

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

Connection method

Screw connection

Product properties

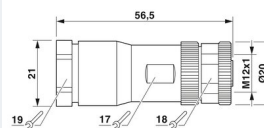
Product type	Circular connector (cable-side)
Number of positions	8
Sensor type	Universal
No. of cable outlets	1
Shielded	no
Coding	A
Cable outlet	straight
Pg screw connection	Pg11

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Dimensions

Dimensional drawing



Width

20 mm

Height

20 mm

Length

59 mm

Wrench size, union nut

19 mm

Wrench size, counter nut

17 mm

External dimensions

Outside diameter

8 mm ... 10 mm

Housing

Diameter housing

20 mm

Material specifications

Color Handle area	black
Flammability rating according to UL 94	HB

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Seal material	Silicon
Material of grip body	PBT
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material for screw connection	Nickel-plated brass

Connection data

Conductor connection

Connection method	Screw connection
Connection cross section	0.25 mm ² ... 0.5 mm ² (without ferrule)
	0.14 mm ² ... 0.34 mm ² (with ferrule)
	0.25 mm ² ... 0.5 mm ² (solid)
Connection cross section AWG	24 ... 20 (without ferrule)
	26 ... 22 (with ferrule)
Stripping length of the individual wire	5 mm
Tightening torque	0.4 Nm (M12 knurl)
	0.2 Nm (Screw terminal blocks)
	1 Nm (Pressure screw with sleeve housing)

Electrical properties

Min. AWG, flexible, multi-strand	24
Rated surge voltage	0.8 kV
Contact resistance	≤ 8 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	30 V AC
	30 V DC
Nominal current I _N	2 A

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Connector

Connection 1

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

Cable/line

Signal type/category	Universal
Stripping length of the individual wire	5 mm

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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)

Standards and regulations

Standards/specifications	IEC 61076-2-101
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