

Connector - SACC-M12MS-8CON-DM 3-5 SH VA - 1411906

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Connector, 8-position, shielded, Plug straight M12, Coding: A, Screw connection, knurl material: Stainless steel 1.4404, cable gland M16, external cable diameter 3 mm ... 5.5 mm

Your advantages

- Safe use in the field, thanks to a high degree of protection
- Flexible: connectors for on-site assembly
- Screw connection: proven connection technology for a large selection of different conductors
- Reliable signal transmission - 360° shielding in environments with electromagnetic interference

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	25 pc
GTIN	
GTIN	4046356945394

Technical data

Dimensions

Diameter housing	20 mm
Length	62 mm
External cable diameter	3 mm ... 5.5 mm
Stripping length of the sheath	35 mm
Stripping length of the individual wire	5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP69K

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.
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Technical data

General

Rated current at 40°C	2 A
Rated voltage	30 V DC
	30 V AC
Number of positions	8
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Screw connection
Conductor 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)
Conductor cross section AWG	24 ... 20 (without ferrule)
	26 ... 22 (with ferrule)
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	0.2 Nm (Screw terminal blocks)
	0.3 Nm ... 0.4 Nm (Pressure nut with sleeve housing with 3 mm ... 4 mm external cable diameter)
	0.8 Nm ... 1 Nm (Pressure nut with sleeve housing with 4 mm ... 8 mm external cable diameter)
Tightening torque	Screw plug insert with sleeve housing as far it will go
Assembly instructions	The wires can be connected both with ferrules and without ferrules

Material

Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material of grip body	Stainless steel 1.4404
Material, knurls	Stainless steel 1.4404
Sealing material	FKM

Standards and Regulations

Standards/specifications	M12 connector IEC 61076-2-101
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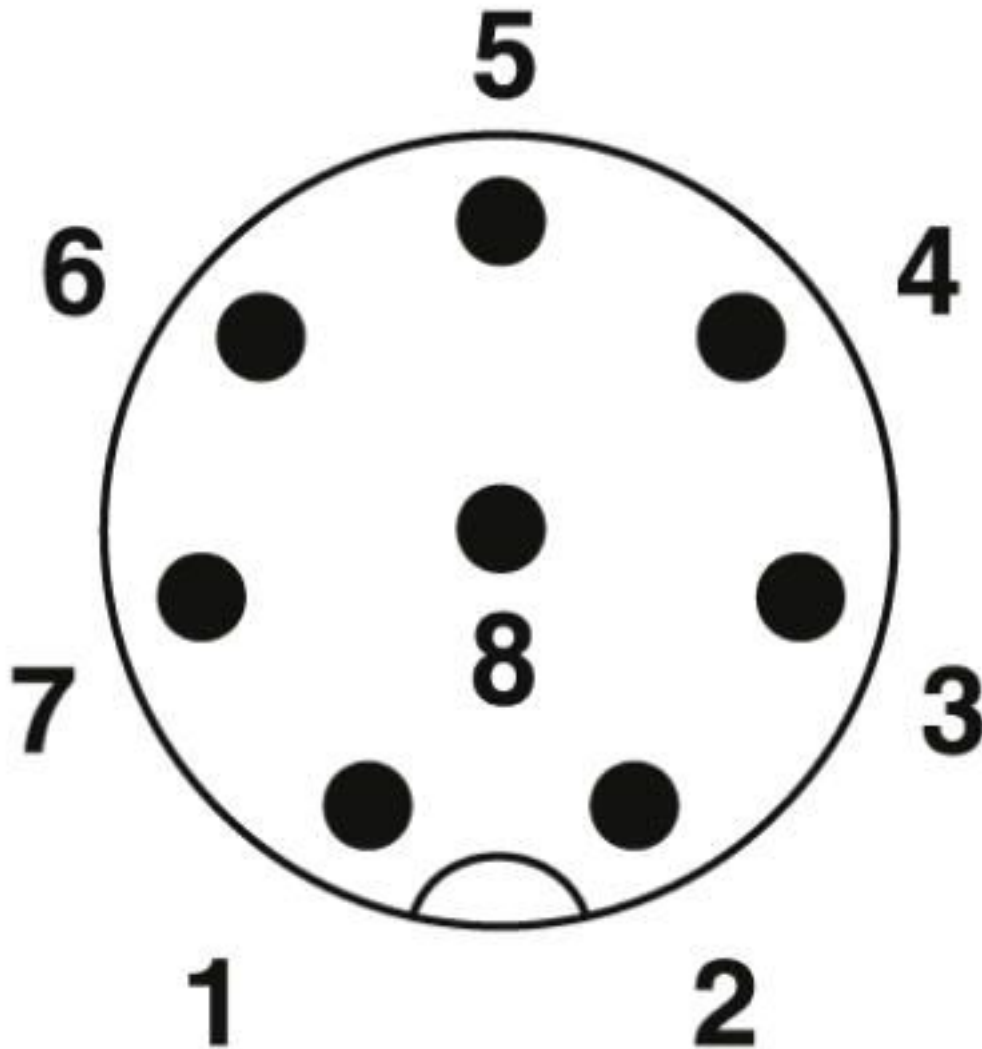
Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Connector - SACC-M12MS-8CON-DM 3-5 SH VA - 1411906

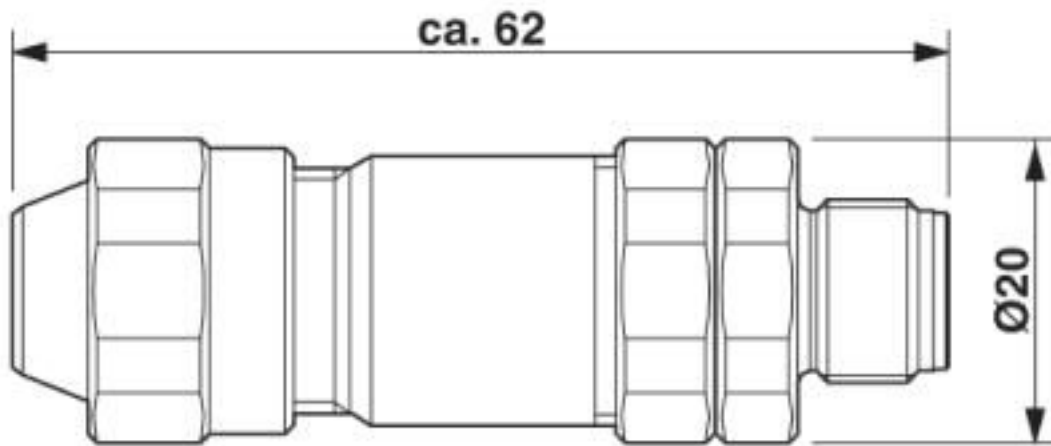
Schematic diagram



Pin assignment M12 plug, 8-pos., A-coded, view plug side

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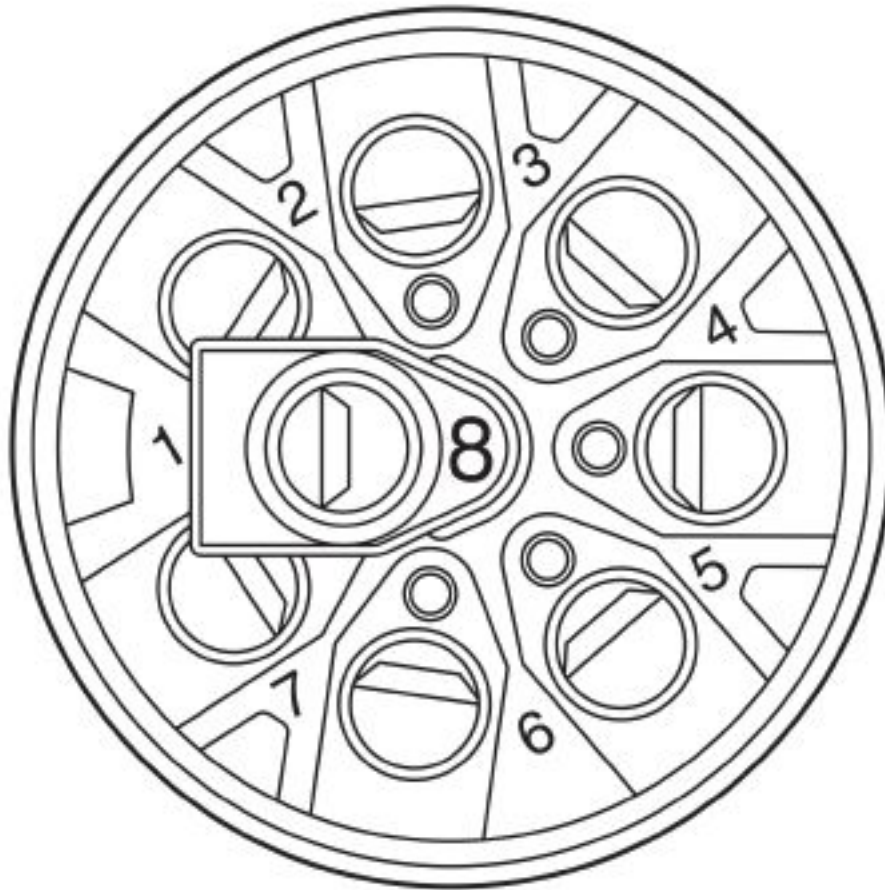
Dimensional drawing



Plug, M12 x 1, straight, shielded

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Schematic diagram



Cable connection side M12 (screw connection)

Classifications

eCl@ss

eCl@ss 10.0.1	27440102
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27143400
eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104
eCl@ss 9.0	27440102

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Classifications

ETIM

ETIM 4.0	EC002635
ETIM 5.0	EC002635
ETIM 6.0	EC002635
ETIM 7.0	EC002635

Accessories

Accessories

Crimping tool

Crimping pliers - CRIMPFOX 6H - 1212046



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.14 mm² ... 6 mm², unlockable pressure lock, lateral entry

Protective cap

Sealing cap - PROT-M12 FS - 1560251



M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

Screwdriver tools

Screwdriver - SZS 0,4X2,0 - 1205202



Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

Stripping tool

Stripping tool - WIREFOX SAC - 1212623



Stripping pliers, for halogen-free sensor/actuator cables (SAC cables), with PUR and PVC insulation, from Ø of 4.4 to 7 mm, any stripping length

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Accessories

Stripping tool - VS-CABLE-STRIP-VARIO - 1657407

Stripping tool, for the multi-level stripping of shielded cables



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