

# Connector - SACC-M12MSD-4CON-DM 5-8 SH VA - 1403580

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Connector, Ethernet/PROFINET, 4-position, shielded, Plug straight M12, D-coded, Screw connection, knurl material: Stainless steel 1.4404, cable gland M16, external cable diameter 5.5 mm ... 8.6 mm


as illustrated, but d-coded

## 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	50 pc
GTIN	 4 046356 659512
GTIN	4046356659512
Weight per Piece (excluding packing)	56.900 g
Custom tariff number	85366990
Country of origin	Germany

## Technical data

### Dimensions

Diameter housing	20 mm
Length	62 mm
External cable diameter	5.5 mm ... 8.6 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)
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## Technical data

### Ambient conditions

Degree of protection	IP65
	IP67
	IP69K

### General

Rated current at 40°C	4 A
Rated voltage	60 V DC
	48 V AC
Number of positions	4
Insulation resistance	≥ 100 MΩ
Coding	D - data
Standards/regulations	M12 connector IEC 61076-2-101
Signal type/category	Ethernet/PROFINET
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Screw connection
Conductor cross section	0.25 mm² ... 0.75 mm² (without ferrule)
	0.14 mm² ... 0.75 mm² (with ferrule)
	0.25 mm² ... 0.75 mm² (solid)
Conductor cross section AWG	24 ... 18 (without ferrule)
	26 ... 20 (with ferrule)
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	0.2 Nm (Screw terminal blocks)
	0.8 Nm ... 1 Nm (Pressure nut with sleeve housing with 4 mm ... 8 mm external cable diameter )
	1 Nm ... 1.4 Nm (Pressure nut with sleeve housing with 8 mm ... 12 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

Flammability rating according to UL 94	HB
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material of grip body	Stainless steel
Material, knurls	Stainless steel 1.4404
Sealing material	FKM

### Standards and Regulations

Standard designation	M12 connector
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## Technical data

### Standards and Regulations

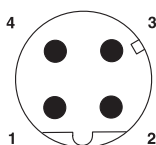
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	HB

### Environmental Product Compliance

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

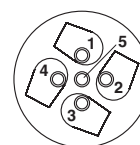
## Drawings

Schematic diagram



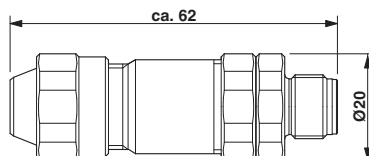
Pin assignment M12 male connector, 4-pos., D-coded, male side

Schematic diagram



Cable connection side M12 (screw connection)

Dimensional drawing



Plug, M12 x 1, straight, shielded

## Classifications

### eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27060300
eCl@ss 5.1	27061800
eCl@ss 6.0	27279200
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104
eCl@ss 9.0	27440102

### ETIM

ETIM 4.0	EC001855
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## Classifications

### ETIM

ETIM 5.0	EC002062
ETIM 6.0	EC001855

### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

## Accessories

### Accessories

#### Connector

Ferrule - A 0,25- 5 - 3202465



Ferrule, length: 5 mm, color: silver

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### 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 mm<sup>2</sup> ... 6 mm<sup>2</sup>, unlockable pressure lock, lateral entry

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### 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

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### Screwdriver tools

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### Accessories

Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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



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