

## Connector - SACC-M12MS-8CON-PG 9-SH - 1511857

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Connector, 8-position, shielded, Plug straight M12, A-coded, Screw connection, Knurl material: Zinc die-cast, nickel-plated, Cable gland Pg9, External cable diameter 6 mm ... 8 mm

### Why buy this product

- ✓ 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
GTIN	 4 017918 908638
Weight per Piece (excluding packing)	45.14 g
Custom tariff number	85366990
Country of origin	Germany
Product key	BF2CBA

### Technical data

#### Dimensions

External diameter	6 mm ... 8 mm
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#### Ambient conditions

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

#### General

Rated current at 40°C	2 A
Rated voltage	30 V
Number of positions	8
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ

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## Technical data

### General

Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Surge voltage category	II
Pollution degree	3
Connection method	Screw connection
Conductor cross section	0.25 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>
AWG conductor cross section	24 ... 20
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	0.2 Nm (Screw terminal blocks)
	0.8 Nm ... 1 Nm (Pressure screw)
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

Inflammability class according to UL 94	HB
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

## Classifications

### eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27143423
eCl@ss 5.1	27143423
eCl@ss 6.0	27143423
eCl@ss 7.0	27449001
eCl@ss 8.0	27449001

### ETIM

ETIM 2.0	EC001121
ETIM 3.0	EC002062
ETIM 4.0	EC002062
ETIM 5.0	EC002062

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## Classifications

### UNSPSC

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

## Approvals

### Approvals


#### Approvals


GOST / UL Recognized / cUL Recognized / cULus Recognized


#### Ex Approvals

#### Approvals submitted

### Approval details

GOST 
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UL Recognized 	
Nominal current I <sub>N</sub>	2 A
Nominal voltage U <sub>N</sub>	30 V

cUL Recognized 	
Nominal current I <sub>N</sub>	2 A
Nominal voltage U <sub>N</sub>	30 V

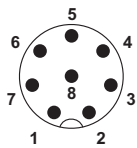
# Connector - SACC-M12MS-8CON-PG 9-SH - 1511857

## Approvals

cULus Recognized

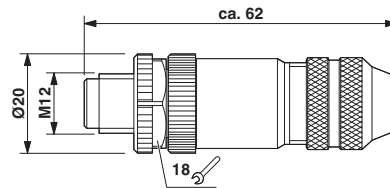
## Drawings

Schematic diagram



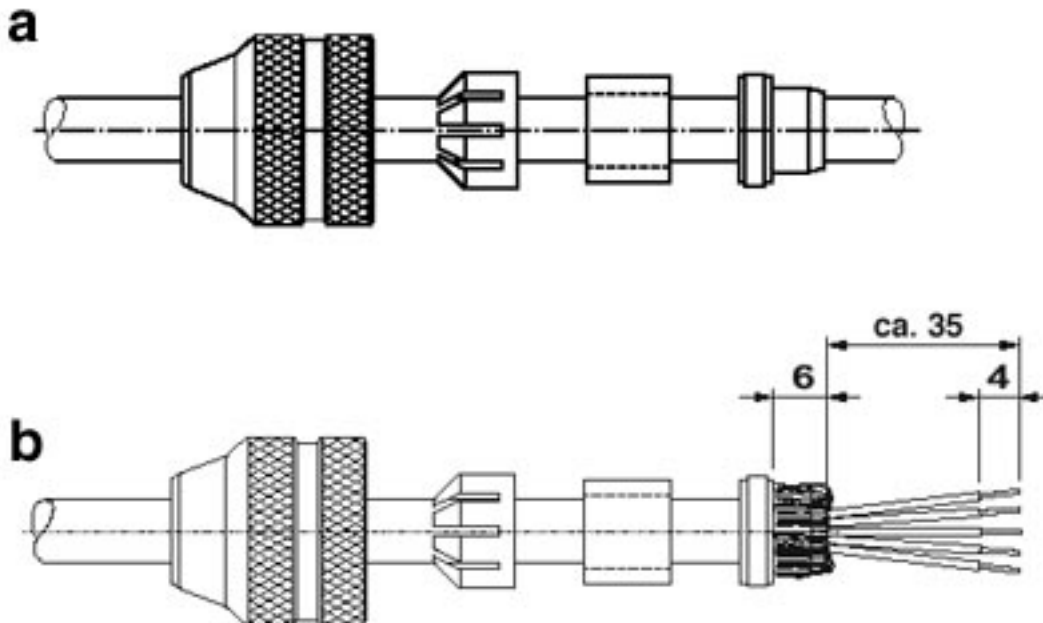
Pin assignment of M12 plug, 8-pos., A-coded, view of plug side

Dimensioned drawing



Plug, M12 x 1, straight, shielded

Functional drawing



Assembly steps for M12 male/female plug and conductor

a = Slide on parts

b = Strip conductor, widen shield and lay around the shielding ring, cut off projecting mesh. Slide cores through the housing. Mount shielding ring, gasket and clamping cage. Tighten pressure screw to fix the cable. Screw down cores. Mount male/female part. Tighten pressure screw.