

## Flush-type connector - SACC-EC-M12MS-8CON-PG9/0,5 - 1513787

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Sensor/Actuator flush-type plug, 8-pos., M12, A-coded, front/screw mounting with Pg9 thread, can be positioned, with 0.5 m TPE litz wire, 8 x 0.25 mm<sup>2</sup>



### Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	30.0 GRM
Custom tariff number	85444290
Country of origin	Germany

### Technical data

#### Dimensions

Length of cable	0.5 m
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#### Ambient conditions

Ambient temperature (operation)	-25 °C ... 85 °C (Plug / socket)
	-40 °C ... 85 °C (without mechanical actuation)
Degree of protection	IP67

#### General

Note	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
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	Individual wires
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)
Mounting type	Front mounting Pg9 With locking nut

### Material

Inflammability class according to UL 94	V0
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA66
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

### Cable

Cable type	TPE litz wire
Conductor cross section	0.25 mm <sup>2</sup>
AWG signal line	24
Conductor structure signal line	14x 0.15 mm
Core diameter including insulation	1.15 mm ±0.07 mm
Thickness, insulation	0.21 mm (Core insulation)
Wire colors	Brown, blue, white, gray, pink, green, yellow, red
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 80 mΩ/m
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Ambient temperature (operation)	-40 °C ... 85 °C (cable, fixed installation)
	-25 °C ... 85 °C (cable, flexible installation)

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### 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	27440103

#### ETIM

ETIM 2.0	EC001297
ETIM 3.0	EC002061
ETIM 4.0	EC002062
ETIM 5.0	EC002061

#### UNSPSC

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

### Approvals

#### Approvals

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Approvals

GOST / GOST

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Ex Approvals

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Approvals submitted

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Approval details

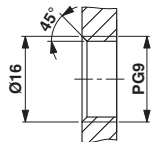
# Flush-type connector - SACC-EC-M12MS-8CON-PG9/0,5 - 1513787

## Approvals



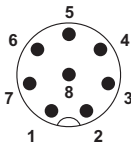
## Drawings

Dimensioned drawing



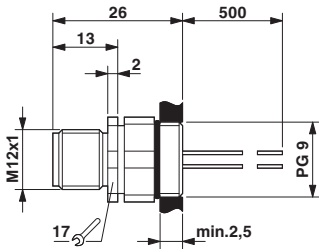
Housing cutout for Pg9 fastening thread, mounting panel with thread

Schematic diagram



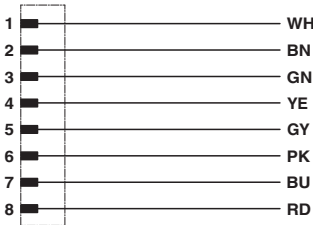
Pin assignment M12 plug, 8-pos., view plug side

Dimensioned drawing



M12 flush-type plug, can be positioned

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

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Catalog photo



Figure may contain other products.