

# Flush-type connector - SACC-E-M12MS- 8CON-PG9/0.5 - 1513774

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



## Key commercial data

Packing unit	1
Minimum order quantity	1
Catalog page	Page 27 (PC-2011)
GTIN	 4 017918 914684
Custom tariff number	85444290
Country of origin	GERMANY

## Technical data

### General data

Rated current at 40°C	2 A
Rated voltage	30 V
Number of positions	8
Volume resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Length of cable	0.5 m
Ambient temperature (operation)	-25 °C ... 85 °C (Male connector / female connector)

### General characteristics

Standards/regulations	M12 plug-in connector IEC 61076-2-101
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA66
Material, knurls	Zinc die-cast, nickel-plated

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## Technical data

### General characteristics

Sealing material	NBR
Mounting type	Front mounting Pg9
Connection method	Individual wires
Status display	No

### Conductor data

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
Wire colors	white, brown, green, yellow, gray, pink, blue, red
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 80 mΩ/m
Nominal voltage, conductor	300 V
Test voltage, conductor	2000 V AC
Ambient temperature (operation)	-25 °C ... 90 °C (cable, fixed installation)

## Classifications

### eclass

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

### etim

ETIM 2.0	EC001297
ETIM 3.0	EC002061
ETIM 4.0	EC002061

### unspsc

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

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## Approvals

Approvals

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Approvals

UL Recognized

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Ex Approvals

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Approvals submitted

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## Approval details

UL Recognized 	
mm <sup>2</sup> /AWG/kcmil	26-2
Nominal current I <sub>N</sub>	2 A
Nominal voltage U <sub>N</sub>	30 V

## Accessories

Accessories

Assembly

Flat nut - SACC-E-MU-PG9 - 1504084



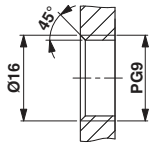
Flat nut with Pg9 thread

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## Drawings

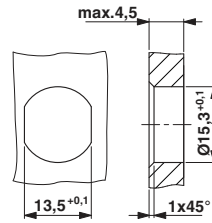
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Dimensioned drawing



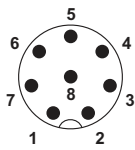
Housing cutout for Pg9 fastening thread, mounting panel with thread

Dimensioned drawing



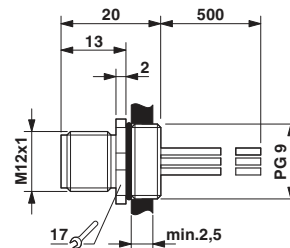
Housing cutout for Pg9 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

Schematic diagram



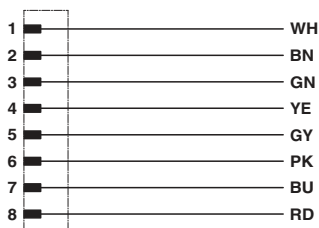
Pin assignment M12 plug, 8-pos., view plug side

Dimensioned drawing



M12 flush-type connector

Circuit diagram



Contact assignment of the M12 plug and the M12 socket