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# Flush-type connector - SACCBP-MS-8CON-M16/2,0-PUR SCO - 1419438

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Flush-type plug, shielded, 8-pos., M12, A-coded, rear/screw mounting with M16 thread, with 2 m cable, 8 x 0.25 mm<sup>2</sup>



## Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 533348

## Technical data

### Dimensions

Length of cable	2 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
Rated surge voltage	0.8 kV
Number of positions	8
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101

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## Technical data

### General

Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Individual wires
Insertion/withdrawal cycles	> 100
Torque	3 Nm ... 4 Nm (Installation-side)
Mounting type	Rear mounting M16 x 1.5 With flat nut

### Material

Flammability rating according to UL 94	V0
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	FKM

### Cable

Cable type	PUR halogen-free black
Cable abbreviation	Li9Y-V1-C-V1-11Y
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	Brown, white, green, yellow, gray, pink, blue, red
Overall twist	8 wires around filler to the core
Shielding	Braided copper wires
Optical shield covering	85 %
External sheath, color	black-gray RAL 7021
External cable diameter	5.90 mm
Cable weight	54 kg/km
Outer sheath, material	PUR
Material, filler	PE
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 57.6 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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## Technical data

### Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Flammability rating according to UL 94	V0

## 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	27279220
eCl@ss 7.0	27440103
eCl@ss 8.0	27440103

### ETIM

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

### UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413

## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

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Approvals submitted

# Flush-type connector - SACCBP-MS-8CON-M16/2,0-PUR SCO - 1419438

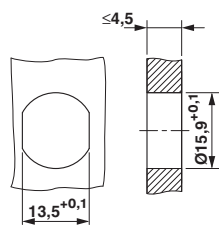
## Approvals

### Approval details

EAC
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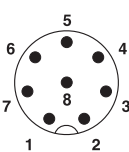
## Drawings

Dimensional drawing



Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

Schematic diagram



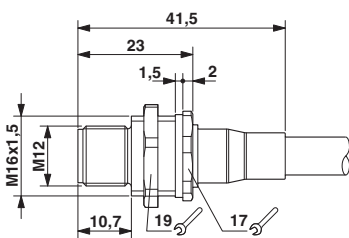
Pin assignment of M12 male connector, 8-pos., A-coded, view of socket side

Cable cross section



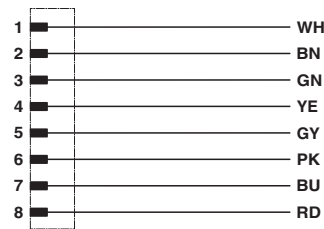
PUR halogen-free black [PUR]

Dimensional drawing



M12 flush-type connector

Circuit diagram



Contact assignment of the M12 plugs

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Product	Code	Reference	Product link
Flush-type plug, shielded, 8-pos., M12, A-coded, rear/screw mounting with M16 thread, with 2 m cable, 8 x 0.25 mm <sup>2</sup>	1419438	SACCBP-MS-8CON-M16/2,0-PUR SCO	<a href="#">Buy on EAN</a>