

## Flush-type connector - SACCBP-FS-8CON-M16/1,0-PUR SCO - 1419357

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Flush-type socket, shielded, 8-pos., M12, A-coded, rear/screw mounting with M16 thread, with 1 m cable, 8 x 0.25 mm<sup>2</sup>



### Key commercial data

Packing unit	1 1
Weight per Piece (excluding packing)	80.0 GRM
Custom tariff number	85444290
Country of origin	Germany

### Technical data

#### Dimensions

Length of cable	1 m
Stripping length of the free conductor end	50 mm

#### Ambient conditions

Ambient temperature (operation)	-25 °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
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No

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## Technical data

### General

Surge voltage category	II
Pollution degree	3
Mounting type	Rear mounting M16 x 1.5 With flat nut

### Material

Inflammability class 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	NBR

### 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	32x 0.10 mm
Core diameter including insulation	1.17 mm ±0.02 mm
Thickness, insulation	≥ 0.21 mm
	0.6 mm (Outer cable sheath)
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
Smallest bending radius, fixed installation	59 mm
Smallest bending radius, movable installation	59 mm
Number of bending cycles	4000000
Bending radius	59 mm
Traversing path	10 m
Traversing rate	3 m/s
Acceleration	10 m/s <sup>2</sup>
Cable weight	54 kg/km
Outer sheath, material	PUR
Material, filler	PE
Material conductor insulation	PP

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## Technical data

### Cable

Conductor material	Bare Cu litz wires
Insulation resistance	$\geq 100 \text{ G}\Omega \cdot \text{km}$
Conductor resistance	max. $78 \text{ }\Omega/\text{km}$
Nominal voltage, cable	$\leq 300 \text{ V}$
Test voltage, cable	$\geq 3000 \text{ V}$
Ambient temperature (operation)	$-30 \text{ }^\circ\text{C} \dots 85 \text{ }^\circ\text{C}$ (cable, fixed installation)

## 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

GOST / GOST

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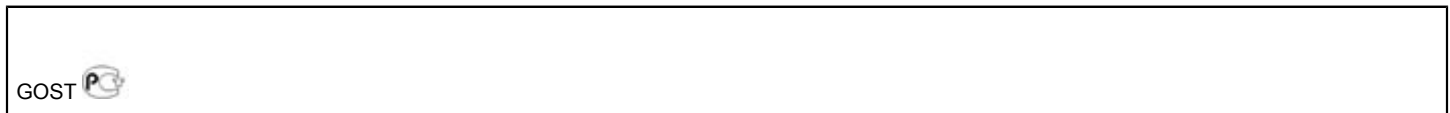
## Approvals

Ex Approvals

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Approvals submitted

## Approval details



## Accessories

Accessories

Plug for cable screw gland

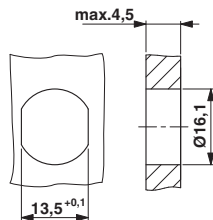
Screw plug - SACC-M16-SEALING PLUG SET - 1453368



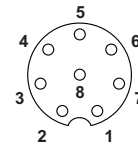
M16 screw plug for unused M12 housing cutouts

## Drawings

Dimensioned drawing



Schematic diagram



Pin assignment M12 socket, 8-pos., A-coded, view female side

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

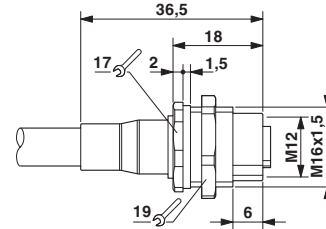
# Flush-type connector - SACCBP-FS-8CON-M16/1,0-PUR SCO - 1419357

Cable cross section



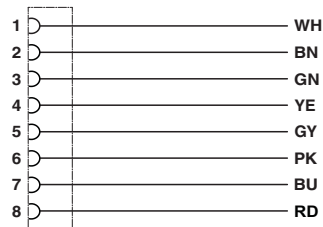
PUR halogen-free black shielded [PUR]

Dimensioned drawing



M12 flush-type connector

Circuit diagram



Contact assignment of the M12 socket