

## Bus system flat-type plug - SACCBP-M12FSD-4CON-M16/5,0-931 - 1534614

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Bus system flush-type socket, ETHERNET, 4-pos., M12, shielded, D-coded, rear/screw mounting with M16 thread, with 5 m bus cable, 2 x 2 x 0.14 mm<sup>2</sup>



**Ethernet**

### Key commercial data

Packing unit	1 PCE
Catalog page	Page 182 (PC-2007)
GTIN	 4 046356 026789
Custom tariff number	85444290
Country of origin	GERMANY

### Technical data

#### General data

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	4
Volume resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Length of cable	5 m
Ambient temperature (operation)	-25 °C ... 90 °C (Plug / socket)

#### General characteristics

Coding	D - data
Surge voltage category	II
Pollution degree	3

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### Technical data

#### General characteristics

Degree of protection	IP67
Contact material	CuZn
Contact surface material	Ni/Au
Contact carrier material	PA 66
Material, knurls	Nickel-plated brass
Sealing material	NBR
Status display	No
Test voltage	2500 V

#### Conductor data

Cable type	Ethernet
Cable type (abbreviation)	93E
Cable structure	2x2xAWG26/7 PIMF
Conductor cross section	2x 2x 0.14 mm <sup>2</sup>
AWG signal line	26
Conductor structure signal line	7x 0.15 mm
Core diameter including insulation	≤ 1.05 mm
Wire colors	white/orange-orange, white/green-green
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	Two pairs with two fillers to the core
Shielding	Tinned copper braided shield
External sheath, color	water blue RAL 5021
External cable diameter D	6.7 mm
Smallest bending radius, movable installation	34 mm
Cable weight	42 kg/km
Outer sheath, material	PUR
Material conductor insulation	Cell PE
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 5 GΩ*km
Conductor resistance	≤ 150 Ω/km
Transmission characteristics (category)	CAT5 (IEC 11801:2002), CAT5e (TIA 568B:2001)
Working capacitance	42 pF
Wave impedance	100 Ω ±5 % (At 100 MHz)
Signal speed	0.72 c
Shield attenuation	60 dB (Up to 1000 MHz)

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### Technical data

#### Conductor data

Coupling resistance	5.00 mΩ/m (At 10 MHz)
Nominal voltage, conductor	max. 125 V
Test voltage, conductor	1000 V
Special properties	Free of substances which would hinder coating with paint or varnish
Flame resistance	complying with IEC 60332-2-2
Halogen-free	complying with IEC 60754-1/2
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Microbe resistance as per VDE 0282 section 10
Other resistance	Hydrolysis resistance as per DIN 53504
Concentration of fumes	in accordance with IEC 61034-1/2
Ambient temperature (operation)	-40 °C ... 70 °C (cable, fixed installation)
Ambient temperature (operation)	-10 °C ... 50 °C (cable, flexible installation)

### Classifications

#### ETIM

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

#### UNSPSC

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

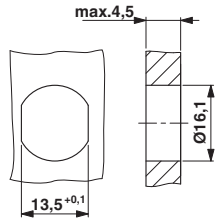
#### eCl@ss

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

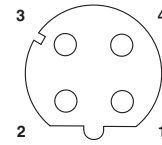
### Drawings

# Bus system flat-type plug - SACCBP-M12FSD-4CON-M16/5,0-931 - 1534614

Dimensioned drawing



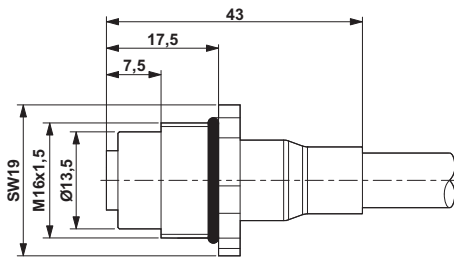
Schematic diagram



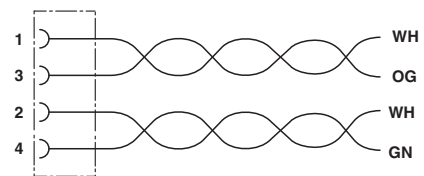
Pin assignment M12 socket, 4-pos., D-coded, female side

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

Dimensioned drawing



Circuit diagram



M12 flush-type connector

Contact assignment of the M12 socket