


**SACCBP-M12FSB-5CON-M16/0,5-900**

Order No.: 1534546

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1534546>

Bus system flush-type socket, INTERBUS, 5-pos., M12, shielded, B-coded, rear/screw mounting with M16 thread, with 0.5 m bus cable, 3 x 2 x 0.25 mm<sup>2</sup>



Commercial data	
GTIN (EAN)	
sales group	D125
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 388 (PC-2011)

## Product notes

WEEE/RoHS-compliant since:  
12/20/2005



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## Technical data

General data	
Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Volume resistance	≤ 3 mΩ

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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 connector IEC 61076-2-101
Coding	B - inverse
Surge voltage category	II
Pollution degree	3
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

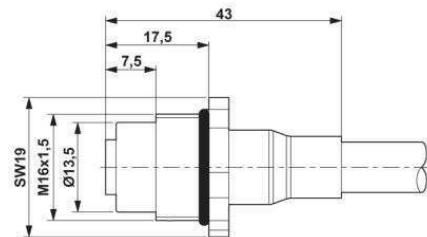
**Conductor data**

Cable type	INTERBUS
Cable type (abbreviation)	900
Conductor cross section	0.22 mm <sup>2</sup>
AWG signal line	24
Conductor structure signal line	32 x 0.10 mm
External cable diameter	8.00 mm
Wire colors	Green-yellow, white-brown, gray-pink
External sheath, color	Green RAL 6017
Insulation resistance	> 5 GΩ*km
Conductor resistance	≤ 159.8 mΩ/m
Working capacitance	60 nF (At 800 Hz)
Signal speed	0.66 c
Coupling resistance	250000.00 MΩ/km (At 30 MHz)
Nominal voltage, conductor	250 V
Test voltage Core/Core	1500 V
Test voltage Core/Shield	1000 V
Twisted pairs	2 cores to the pair

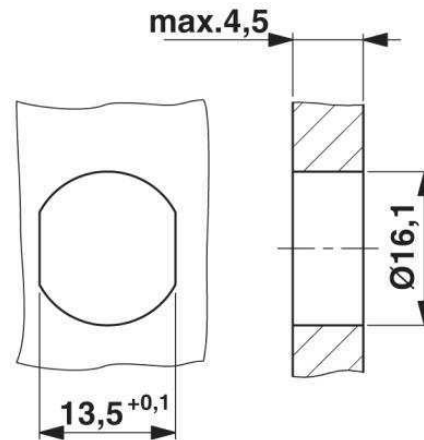
Overall twist	3 pairs to the core
Shielding	Braided copper wires
Outer sheath, material	PUR
Material conductor insulation	PE
Conductor material	Bare Cu litz wires
Smallest bending radius, fixed installation	60 mm
Smallest bending radius, movable installation	120 mm
Number of bending cycles	5000000
Bending radius	120 mm
Traversing path	10 m
Traversing rate	1.6 m/s
Acceleration	3.2 m/s <sup>2</sup>
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -30 °C ... 70 °C (cable, flexible installation)
Flame resistance	IEC 60332-1

### Diagrams/Drawings

#### Dimensioned drawing

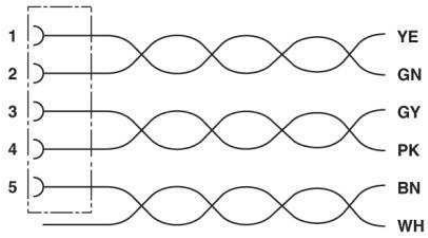


M12 flush-type connector



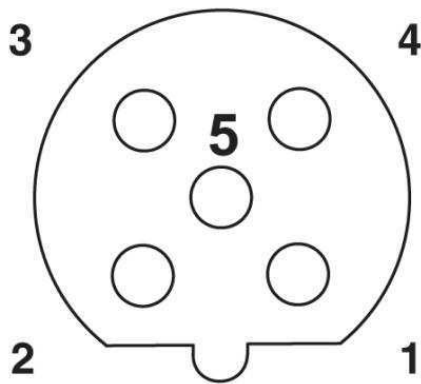
Housing cutout for M16 fastening thread, mounting panel with feed-through hole (alternatively with surface as protection against rotation)

Circuit diagram



Contact assignment of the M12 socket

Schematic diagram



Pin assignment M12 female connector, 5-pos., B-coded, female side

**Address**

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