

# SACCBP-M12FS-8CON-M16/2,0-940

Order No.: 1553381



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1553381>

Bus system flush-type socket, ETHERNET, 8-pos., M12, shielded, rear/screw mounting with M16 thread, with 2 m bus cable, 4 x 2 x 0.26 mm<sup>2</sup>

## Ethernet

Commercial data	
EAN	4046356162364
Pack	1 pcs.
Customs tariff	85444290
Weight/Piece	0.135 KG
Catalog page information	Page 183 (PC-2007)

### Product notes

WEEE/RoHS-compliant since:  
04/13/2007



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## Technical data

### General data

Nominal current $I_N$	2 A
Nominal voltage $U_N$	30 V
Number of positions	8
Volume resistance	$\leq 3 \text{ m}\Omega$

Insulation resistance	≥ 100 MΩ
Length of cable	2 m
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)
	-40 °C ... 70 °C (cable, fixed installation)
	-10 °C ... 50 °C (cable, flexible installation)

#### General characteristics

Coding	A - standard
Inflammability class acc. to UL 94	V0
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
Mounting type	Rear mounting, M16 x 1.5 thread with flat nut
Status display	No

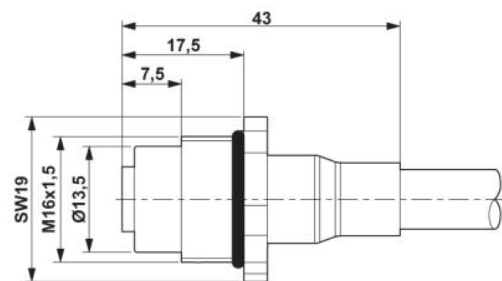
#### Conductor data

Cable type	Ethernet
Cable type (abbreviation)	94F
Conductor cross section	14 mm <sup>2</sup>
AWG signal line	26
Conductor structure, signal line	7x 0.16 mm
Core diameter including insulation	1 mm
External cable diameter	6.70 mm
Wire colors	White-blue, white-orange, white-green, white-brown
External sheath, color	water blue RAL 5021
Insulation resistance	≥ 5 GΩ*km
Conductor resistance	≤ 150 mΩ/m
Transmission characteristics (category)	CAT6
Working capacitance	42 pF
Wave impedance	100 Ω ±5% (At 100 MHz)
Signal speed	0.72 c

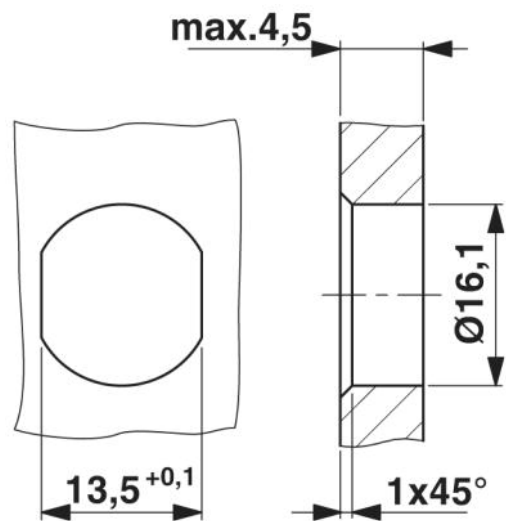
Signal runtime	46 ns/m
Shield attenuation	60 dB (Up to 1000 MHz)
Interference suppression	90 dB (Up to 1000 MHz)
Nominal voltage, conductor	125 V
Test voltage, conductor	1000 V
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	2 cores with 2 fillers to the core
Shielding	Braided shielding made of tin-plated copper wires
Optical shield covering	65 %
Outer sheath, material	PUR
Material conductor insulation	Cell PE
Conductor material	Bare Cu litz wires
Cable weight	44 kg/km
Smallest bending radius, fixed installation	Min. 33.5 mm
Smallest bending radius, movable installation	Min. 33.5 mm

## Drawings

Dimensioned drawing

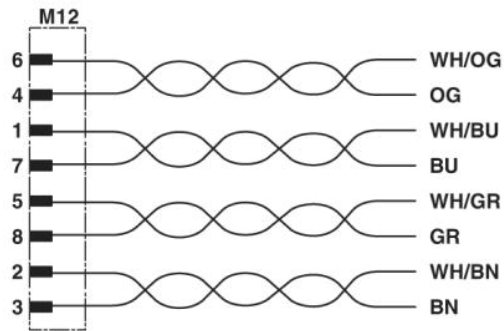


M12 flush-type connector



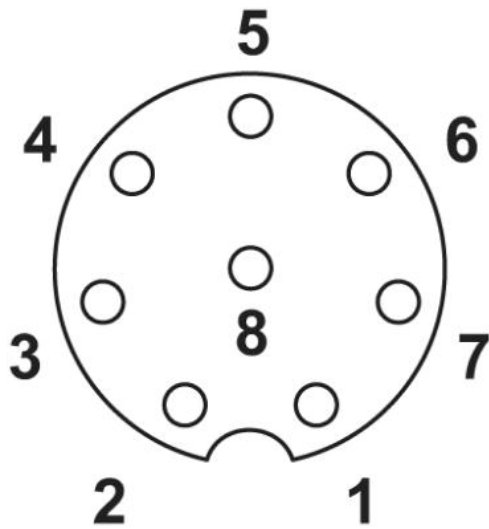
Housing cutout for M16 fastening thread,  
 mounting panel with feed-through hole  
 (alternatively with surface as protection against  
 rotation)

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

Schematic diagram



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

**Address**

PHOENIX CONTACT GmbH & Co. KG  
Flachmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 00  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>



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