

SACCBP-M12FSD-4CON-M16/0,5-931

Order No.: 1534588



Bus system flush-type socket, ETHERNET, 4-pos., M12, shielded, D-coded, rear/screw mounting with M16 thread, with 0.5 m bus cable, 2 x 2 x 0.14 mm²

Ethernet

Commercial data

EAN	4046356026758
Pack	1 Pcs.
Customs tariff	85444290
Weight/Piece	0.055 KG
Catalog page information	Page 182 (PC-2007)

Product notes

WEEE/RoHS-compliant since:
03/28/2006



Technical data

General data

Nominal current I _N	4 A
Nominal voltage U _N	60 V
Number of positions	4
Volume resistance	≤ 3 mΩ

Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	0.5 m
Ambient temperature (operation)	-25 °C ... 90 °C (plug/socket)
	-20 °C ... 60 °C (cable, fixed installation)
	0 °C ... 50 °C (cable, flexible installation)

General characteristics

Coding	D - data
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
Test voltage	2500 V

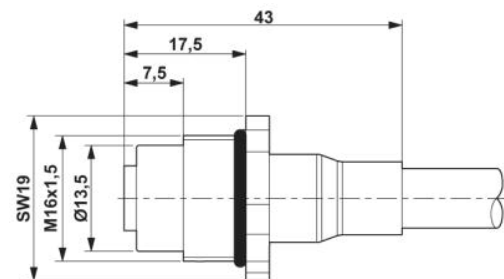
Conductor data

Cable type	Ethernet
Conductor cross section	0.14 mm ²
AWG signal line	26
Conductor structure, signal line	7x 0.15 mm
Core diameter including insulation	1 mm
External cable diameter	6.70 mm
Wire colors	White-green, white-orange
External sheath, color	water blue RAL 5021
Insulation resistance	5 G Ω *km
Conductor resistance	150 m Ω /m
Working capacitance	42 pF
Wave impedance	100 Ω $\pm$ 5%
Signal speed	0.72 c
Signal runtime	46 ns/m

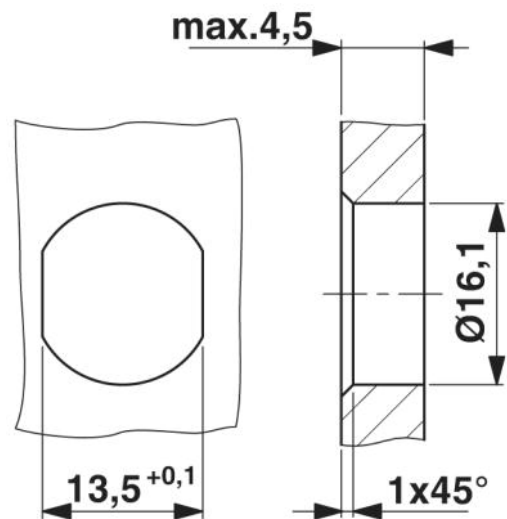
Shield attenuation	60 dB (Up to 1000 MHz)
Interference suppression	90 dB (Up to 1000 MHz)
Nominal voltage, conductor	125 V
Test voltage, conductor	1000 V
Twisted pairs	2 cores to the pair
Type of pair shielding	Aluminum-lined polyester foil
Overall twist	Two pairs with two fillers to the core
Shielding	Braided shielding made of galvanized copper wires
Optical shield covering	65 %
Outer sheath, material	PUR
Material conductor insulation	Cell PE
Conductor material	Bare Cu litz wires
Cable weight	36 kg/km
Smallest bending radius, fixed installation	Min. 35 mm
Smallest bending radius, movable installation	Min. 35 mm

Drawings

Dimensioned drawing

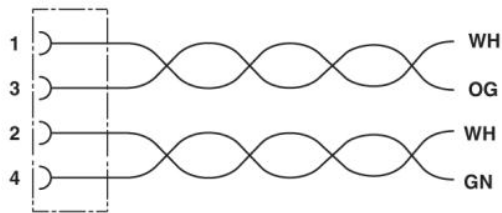


M12 flush-type connector



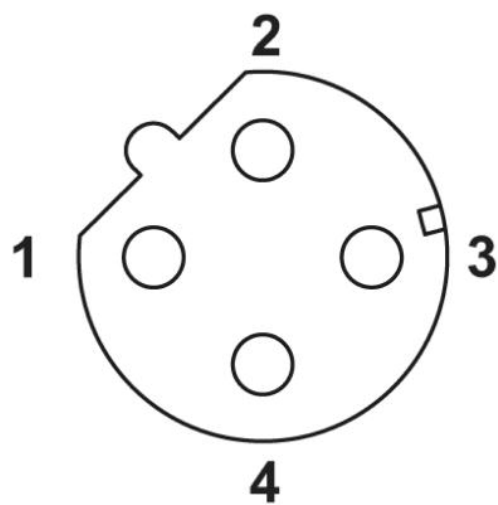
Housing cutout for M16 fastening thread,
mounting panel with feed-through hole
(alternatively with surface as protection against
rotation)

Circuit diagram



Contact assignment of the M12 socket

Schematic diagram



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