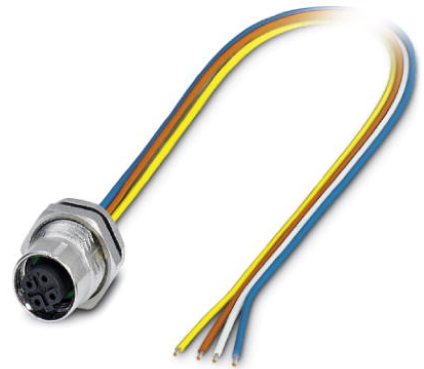


SACC-DSI-M12FSD-4CON-M16/0,5

Order No.: 1419616



Bus system flush-type connector, PROFINET, 4-pos., M12
SPEEDCON, D-encoded, rear/screw mounting with M16 thread, with
0.5 m TPE litz wire, 4 x 0.34 mm²



Commercial data

EAN	 4 046356 533461
Pack	1
Customs tariff	85444290
Catalog page information	Page 107 (NTK-2010)

Product notes

WEEE/RoHS-compliant since:
2010-02-25



Technical data

General data

Note	This product corresponds to the PROFINET Cabling and Interconnection Technology Guideline for PROFINET regulations, version 2.00, order no: 2.252, Chapter 8.2 Connectors for Outside Environment (Balanced cabling)
Rated current at 40°C	4 A
Rated voltage	250 V
Number of positions	4

Volume resistance	$\leq 3 \text{ m}\Omega$
Insulation resistance	$\geq 100 \text{ M}\Omega$
Length of cable	0.5 m

General characteristics

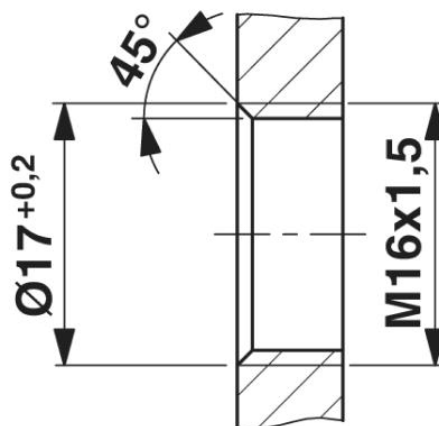
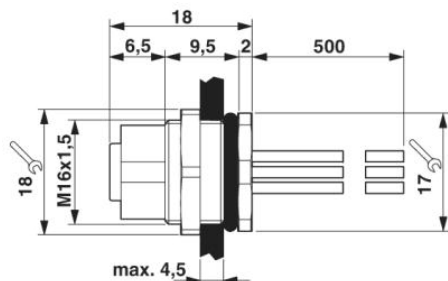
Standards/regulations	M12 connector IEC 61076-2-101
Coding	D - data
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Material, knurls	Zinc die-cast, (nickel-plated)
Sealing material	NBR
Mounting type	Rear mounting M16 x 1.5 With flat nut
Type of connection	Individual wires
Status display	No

Conductor data

Cable type	TPE litz wire
Conductor cross section	0.34 mm ²
AWG signal line	22
Core diameter including insulation	1.2 mm $\pm 0.07 \text{ mm}$
Thickness, insulation	0.21 mm
Wire colors	Yellow, orange, white, blue
Insulation resistance	$\geq 20 \text{ M}\Omega \cdot \text{km}$
Conductor resistance	$\leq 57.6 \text{ m}\Omega/\text{m}$
Nominal voltage, conductor	300 V
Test voltage, conductor	2000 V AC
Conductor material	Tin-plated Cu litz wires

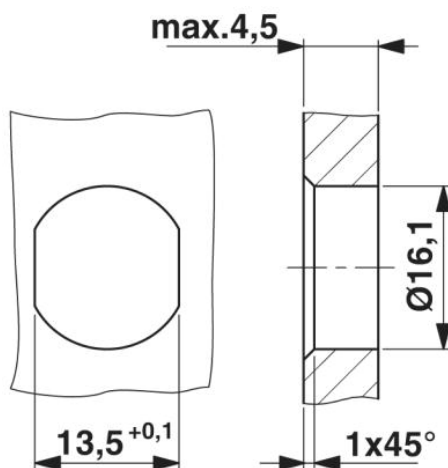
Drawings

Dimensioned drawing

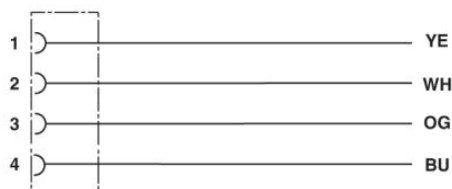


Housing cutout for M16 fastening thread, mounting panel with thread

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

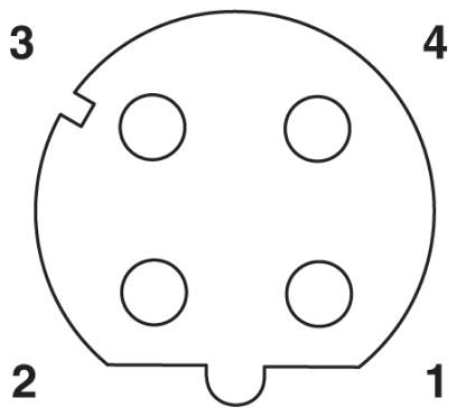


Circuit diagram



Contact assignment of the M12 socket

Schematic diagram



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