

SACC-E-M12MS-5CON-M16/0,5 P

Order No.: 1436411



Sensor/Actuator flush-type connector, male, 5-pos., M12, A-coded, front/screw mounting with M16 thread, with 0.5 m TPE litz wire, 5 x 0.25 mm², plastic version

Commercial data

EAN	 4 046356 438360
Pack	1
Customs tariff	85444290
Catalog page information	Page 37 (PC-2009)

Product notes

WEEE/RoHS-compliant since:
2008-08-04



Technical data

General data

Rated current at 40°C	4 A
Rated voltage	60 V
Number of positions	5
Volume resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Length of cable	0.5 m

Ambient temperature (operation)	-25 °C ... 85 °C (Male connector / female connector)
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General characteristics

Standards/regulations	M12 connector IEC 61076-2-101
Coding	A - standard
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	PA 66
Sealing material	Viton
Mounting type	Front mounting M16 x 1.5
Type of connection	Individual wires
Status display	No

Conductor data

Cable type	TPE litz wire
Conductor cross section	0.25 mm ²
AWG signal line	24
Conductor structure signal line	14x 0.15 mm
Core diameter including insulation	1.15 mm ±0.07 mm
Thickness, insulation	0.21 mm
Wire colors	Black, brown, blue, white, gray
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 80 Ω/km
Nominal voltage, conductor	300 V
Test voltage, conductor	2000 V AC
Material conductor insulation	TPE
Conductor material	Tin-plated Cu litz wires
Ambient temperature (operation)	-25 °C ... 90 °C (cable, fixed installation)

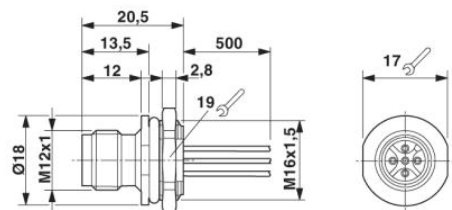
Certificates

Certification

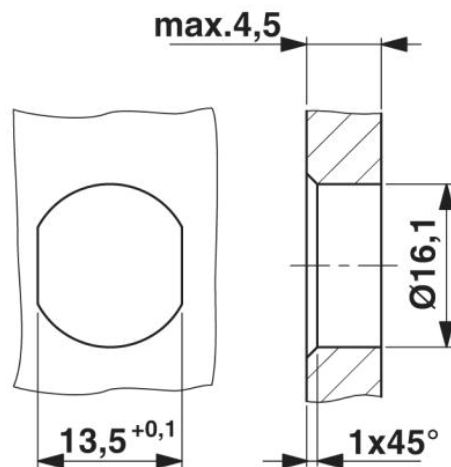
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Drawings

Dimensioned drawing

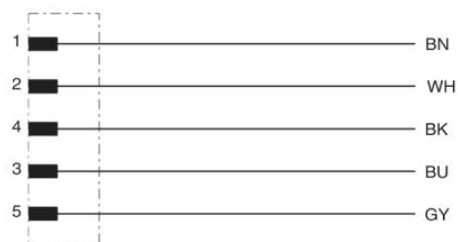


M12 flush-type connector



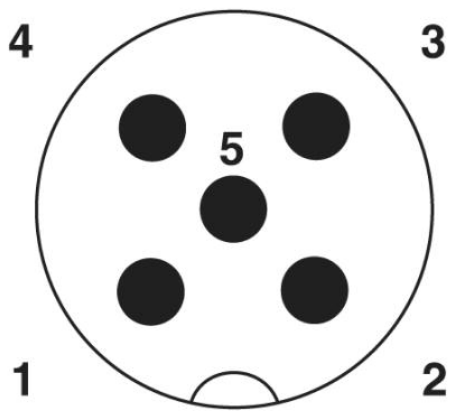
Housing cutout for M12 fastening thread, mounting panel with feed-through hole (alternative with surface as protection against rotation)

Circuit diagram



Contact assignment of the M12 plug

Schematic diagram



Pin assignment M12 male connector, 5-pos., A-coded, male side