

22260084	DATA SHEET	
Valid from: 17.09.2018	AB-C5-M12MS-M16-PO-0,5	

Description

- Sensor/Actuator flush-type socket, 5-pos., A-coded, M12 quick locking
- Front/screw mounting with M16 thread, can be positioned, 0.5 m TPE litz wire, 5 x 0.34 mm²



General characteristics

Number of poles	5
Length of cable	0.5 m
Connection method	Individual wires
Mounting type	Front mounting M16 x 1.5 with locking nut
Status display	No
Coding	A-standard
Degree of protection	IP 67
Ambient temperature (operation)	-25 to +90 °C (-13 to 194 °F) (cable fixed installation) -25 to +85 °C (-13 to 185 °F) (connector)

Electrical properties

Rated voltage	60 V
Rated current at 40 °C	4 A
Surge voltage category	II
Pollution degree	3
Insulation resistance (min.)	100 MΩ
Volume resistance (max.)	3 mΩ

Mechanical properties

Connector

Contact, material	CuZn
Contact surface, material	Ni/Au
Contact carrier, material	PA66
Knurl, material	Zinc die-cast (nickel-plated)
Sealing, material	NBR

Line

Cable type	TPE litz wire
Conductor, material	Tin plated Cu litz wires
Conductor insulation, material	TPE
Core diameter including insulation	1.2 mm ±0.07 mm
Thickness, insulation	0.21 mm
Wire colours	Black, brown, blue, white, gray
Conductor structure signal line	7 x 0.25 mm
Conductor cross section	0.34 mm ²
AWG signal line	22
Insulation resistance (min.)	20 MΩ*km
Volume resistance (max.)	57.6 mΩ/m
Nominal voltage, conductor	300 V
Test voltage, conductor	2000 V AC

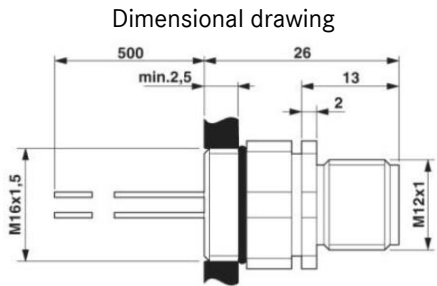
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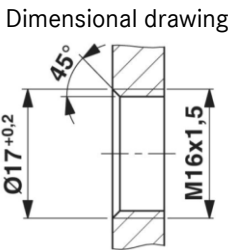
Standard

M12-connector IEC61076-2-101

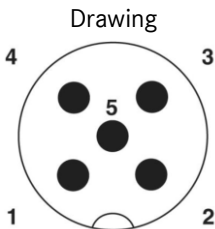
Technical drawing



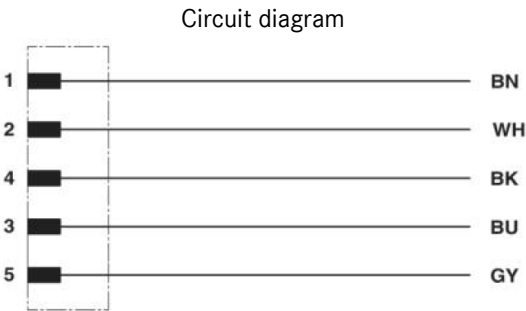
M12 flush-type socket, can be positioned



Housing cutout for M16 fastening thread, mounting panel with thread



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



Contact assignment of the M12 plug and the M12 socket

Application range

Connection of enclosures and cabinets

Note

Photographs are not true to scale and do not represent detailed images of the respective products.

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