Valid from: 17.09.2018

AB-C5-M12MS-PG9-PO-0,5



Description

- Sensor/Actuator flush-type plug, 5-pos., A-coded, M12 quick locking
- Front/screw mounting with PG9 thread, can be positioned, with 0.5 m TPE litz wire, 5 x 0.34 mm²



General characteristics

Number of poles	5
Connection type	Fixed connection
Mounting type	Front mounting PG9 with locking nut
Length of cable	0.5 m
Status indicator	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

Nominal voltage U_N	250 V
Nominal current I _N	4 A
Surge voltage category	II
Pollution degree	3
Insulation resistance (min.)	100 M Ω
Contact resistance (max.)	$3~{ m m}\Omega$

Mechanical properties

Connector

Contact, material Contact surface, material Contact carrier, material Knurl, material Sealing, material Line	CuZn Ni/Au PA66 Brass (nickel-plated) NBR
Cable type	TPE litz wire
Conductor, material	Tin-plated Cu litz wires
Core insulation, material	TPE
Wire colours	Brown, white, blue, black
Conductor diameter including insulation	1.2 mm \pm 0.07 mm
Thickness, insulation	0.21 mm
Conductor cross section	0.34 mm ²
Conductor structure signal line	7 x 0.25 mm
AWG signal line	22
Insulation resistance (min.)	20 MQ*km
Conductor resistance (max.)	57.6 Q/km
Nominal voltage, conductor	300 V
Test voltage, conductor	2000 V AC

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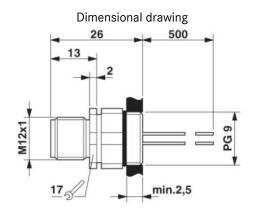


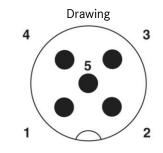
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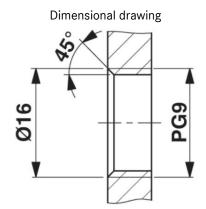
M12-plug

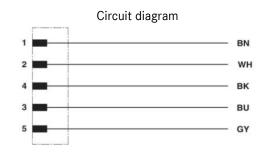
IEC 61076-2-101

Technical drawing









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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