

SACC-E-M12MSB-5CON-M20/0,5 VA

Order No.: 1452084



Sensor/actuator flush-type connector, 5-pos., M12, A-encoded, front/
screw mounting with M20 x 1.5 thread, with 0.5 m TPE litz wire, 5 x
0.34 mm², high-grade steel version

Commercial data

EAN	 4 046356 528733
Pack	1
Customs tariff	85444290
Catalog page information	Page 111 (NTK-2010)

Product notes

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



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

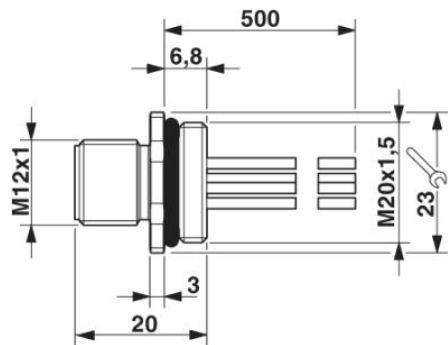
Standards/regulations	M12 connector IEC 61076-2-101
Coding	B - inverse
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67/IP69K
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Material, knurls	High-grade steel
Mounting type	Front mounting M20 x 1,5
Type of connection	Individual wires
Status display	No

Conductor data

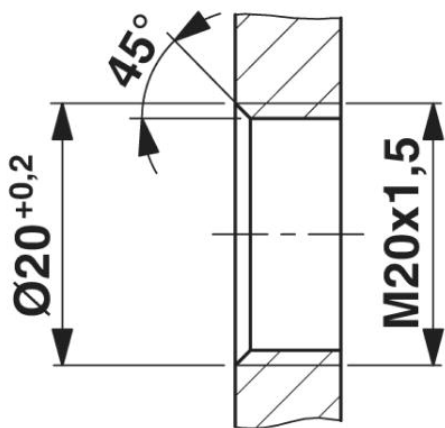
Cable type	TPE litz wire
Conductor cross section	0.34 mm ²
AWG signal line	22
Conductor structure signal line	7x 0.25 mm
Core diameter including insulation	1.2 mm ±0.07 mm
Thickness, insulation	0.21 mm
Wire colors	Brown, white, blue, black, gray
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 57.6 mΩ/m
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)

Drawings

Dimensioned drawing

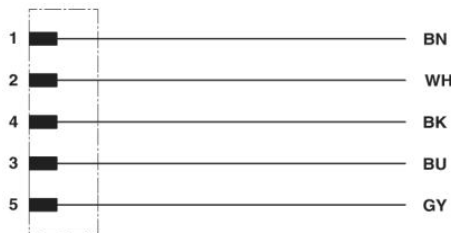


M12 flush-type connector



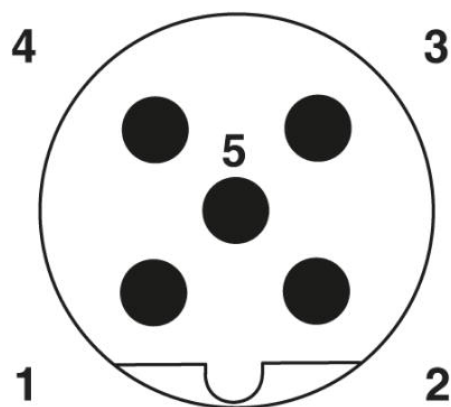
Housing cutout for M20 fastening thread,
mounting panel with thread

Circuit diagram



Contact assignment of the M12 plug and the M20 socket

Schematic diagram



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