

SACC-E-M12MS-8CON-M20/0,5 VA

Order No.: 1452107



Sensor/actuator flush-type connector, 8-pos., M12, A-encoded, front/
screw mounting with M20 x 1.5 thread, with 0.5 m TPE litz wire, 8 x
0.25 mm², high-grade steel version

Commercial data

EAN	 4 046356 529181
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	2 A
Rated voltage	30 V
Number of positions	8
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

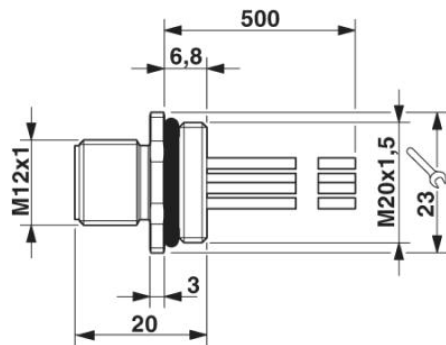
Standards/regulations	M12 connector IEC 61076-2-101
Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67/IP69K
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66
Material, knurls	High-grade steel
Mounting type	Front mounting M20 x 1,5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

Conductor data

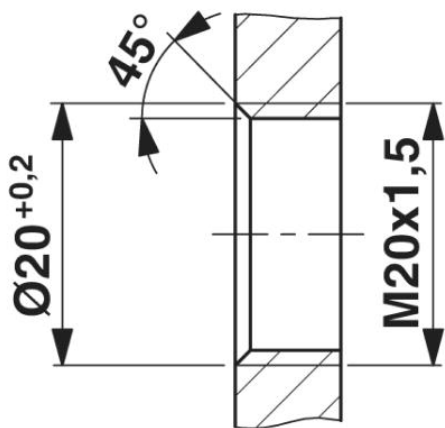
Cable type	TPE litz wire
Conductor cross section	0.25 mm ²
AWG signal line	24
Conductor structure signal line	14x 0.15 mm
Core diameter including insulation	1.15 mm ±0.07 mm
Thickness, insulation	0.21 mm
Wire colors	Brown, blue, white, gray, pink, green, yellow, red
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	≤ 80 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

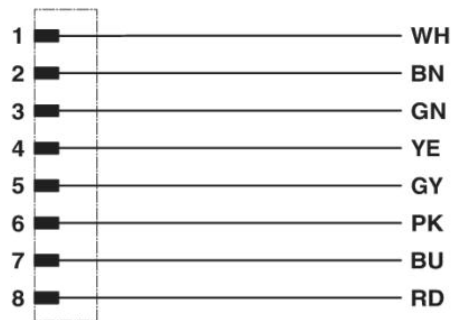


M12 flush-type connector



Housing cutout for M20 fastening thread,
mounting panel with thread

Circuit diagram



Contact assignment of the M12 plug and the M12 socket

Schematic diagram

Pin assignment M12 plug, 8-pos., A-coded, view plug side

