SACC-E-M12MS-5CON-PG9/0,115TIN - Panel feed-through

1563973

https://www.phoenixcontact.com/sg/products/1563973

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Sensor/Actuator flush-type plug, 5-pos., M12, A-coded, front/screw mounting with Pg9 thread, with 0.115 m TPE litz wire, 5 x 0.34 mm^2

Commercial data

Item number	1563973
Packing unit	1 pc
Minimum order quantity	100 pc
Note	Made to order (non-returnable)
Sales key	*****
Product key	ABQCDA
GTIN	4046356304382
Weight per piece (including packing)	13 g
Weight per piece (excluding packing)	12.8 g
Customs tariff number	85444290
Country of origin	DE

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Technical data

Product properties

Number of positions	5
No. of cable outlets	1
Shielded	no
Coding	A

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Electrical properties

Contact resistance	≤ 3 mΩ
Insulation resistance	> 10 Ω
Nominal voltage U_N	60 V
Nominal current I_N	4 A
Max. conductor resistance	57.6 Ω/km

Signaling

Status display	no
Status display present	No

Material specifications

Flammability rating according to UL 94	V0
Seal material	NBR
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 66 GF
Material for screw connection	Brass, nickel-plated
Conductor material	Tin-plated Cu litz wires

Connector

Connection 1

Head design	Plug
Head cable outlet	straight
Head thread type	M12
Coding	A

Cable/line

Cable length	0.115 m
Cable type	TPE litz wire
Wire diameter incl. insulation	1.2 mm ±0.07 mm
Single wire, color	black, brown,blue, white, gray

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Cable cross section	0.34 mm²
Conductor material	Tin-plated Cu litz wires
Conductor structure signal line	7x 0.25 mm
AWG signal line	22
Material wire insulation	TPE
Thickness, insulation	0.21 mm
Nominal voltage, cable	300 V
Test voltage, cable	2000 V AC
Cable resistance	≤ 57.6 Ω/km
Cable insulation resistance	≥ 20 MΩ*km

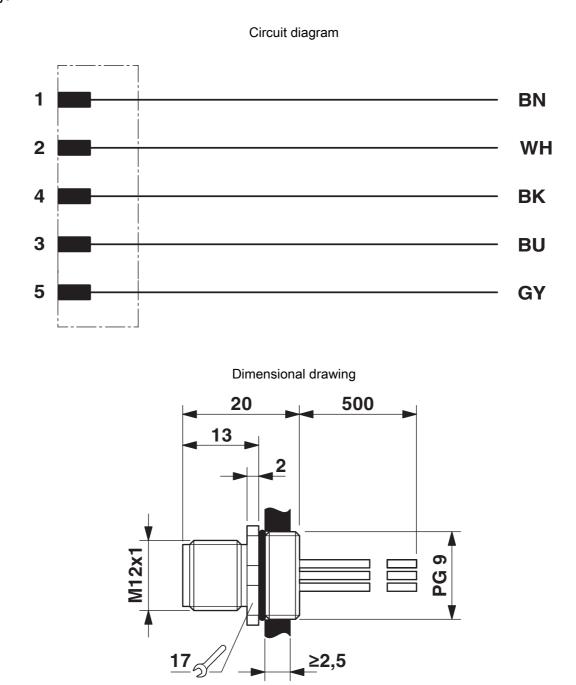## Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
	IP67
Ambient temperature (operation)	-25 °C ... 90 °C (cable, fixed installation)
	-25 °C ... 85 °C (Plug / socket)

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Drawings

Circuit diagram

1		BN
2		WH
4		BK
3		BU
5		GY

Dimensional drawing

20   500

13

2

M12x1

PG 9

17   ≥2,5
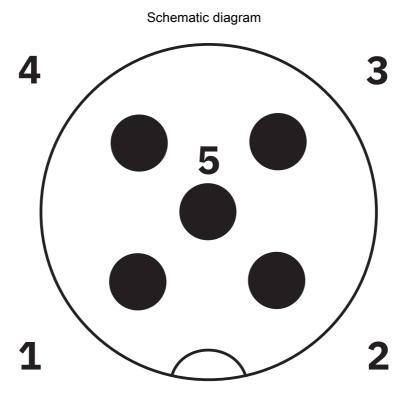
M12 flush-type plug, can be positioned

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Schematic diagram

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

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Classifications

ECLASS

ECLASS-11.0	27440102

UNSPSC

UNSPSC 21.0	39121413

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%