

Sensor/Actuator cable - SAC-3P- 3,0-PUR/M5FR - 1530511

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Sensor/Actuator cable, 3-position, PUR, Black RAL 9005, free cable end, on Socket angled M5, A-coded, Cable length: 3 m

Why buy this product

- Easy and safe: 100% electrically tested plug-in components
- Signal transmission in a confined space – with our M5 connectors



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 024310
Weight per Piece (excluding packing)	46.1 g
Custom tariff number	85444290
Country of origin	Germany
Product key	BF1ABA

Technical data

Dimensions

Length of cable	3 m
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Ambient conditions

Ambient temperature (operation)	-25 °C ... 80 °C (Plug / socket)
Degree of protection	IP65
	IP67
	IP68

General

Rated current at 40 °C	1 A
Rated voltage	125 V
Number of positions	3
Contact resistance	≤ 3 mΩ

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Technical data

General

Insulation resistance	≥ 10 GΩ
Coding	A - standard
Standards/regulations	M5 connector IEC 61076-2-105
Status display	No
Protective circuit/component	Unwired
Surge voltage category	II
Pollution degree	3
Test voltage	1750 V
Insertion/withdrawal cycles	≥ 100

Material

Contact material	CuSn
Contact surface material	Au
Contact carrier material	PUR
Material of grip body	PUR
Material, knurls	Nickel-plated brass
Sealing material	NBR

Cable

Cable type	PUR/PVC black
Conductor cross section	3x 0.14 mm ² (signal line)
AWG signal line	26
Conductor structure signal line	18x 0.10 mm
Core diameter including insulation	1.1 mm
Wire colors	brown, blue, black
Overall twist	3 wires, twisted
External sheath, color	Black RAL 9005
External cable diameter D	3 mm ±0.2 mm
Smallest bending radius, fixed installation	8 mm
Smallest bending radius, movable installation	15 mm
Cable weight	12.9 kg/km
Outer sheath, material	PUR
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	100 MΩ*km
Conductor resistance	148 Ω/km
Nominal voltage, cable	250 V
Test voltage, cable	800 V _{rms}
Ambient temperature (operation)	-15 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

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Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27061801
eCl@ss 5.1	27061801
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27279218

ETIM

ETIM 2.0	EC000830
ETIM 3.0	EC001855
ETIM 4.0	EC001855
ETIM 5.0	EC001855

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	31251501

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

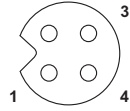
Approval details

EAC

Drawings

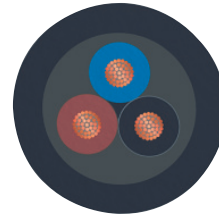
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Schematic diagram



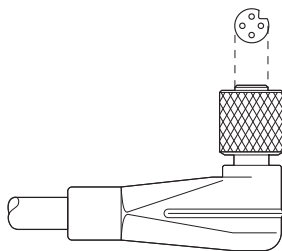
Socket M5, 3-pos.

Cable cross section



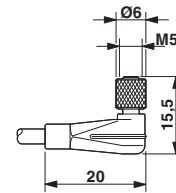
PUR/PVC black [350]

Schematic diagram



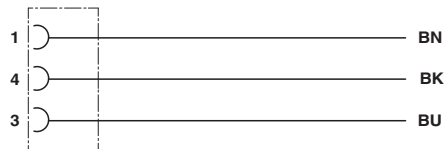
Layout of connector pin assignments

Dimensional drawing



Socket M5 x 0.5, angled

Circuit diagram



Contact assignment of the M5 socket