

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

Product Features

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

Key commercial data

package_quantity	1
GTIN	4046356024310

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
Degree of protection	IP67
Degree of protection	IP68

General

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

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Technical data

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)
Ambient temperature (operation)	-5 °C ... 80 °C (cable, flexible installation)

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	27061801

ETIM

ETIM 2.0	EC000830
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classifications

ETIM

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

GOST /

Approval details

GOST 
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accessories

Conductor marking

PABA WH/15 - 1013151



PABA YE/15 - 1013698



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accessories

PABA RD/15 - 1013944



Marker carrier cable

PATG 2/15 - 1013038



PATG 3/15 - 1013041



PATG 4/15 - 1013054



Marker pen

B-STIFT - 1051993



Cutting tools

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accessories

CUTFOX-S VDE - 1212207



Stripping tool

WIREFOX SAC - 1212623



WIREFOX 10 - 1212150



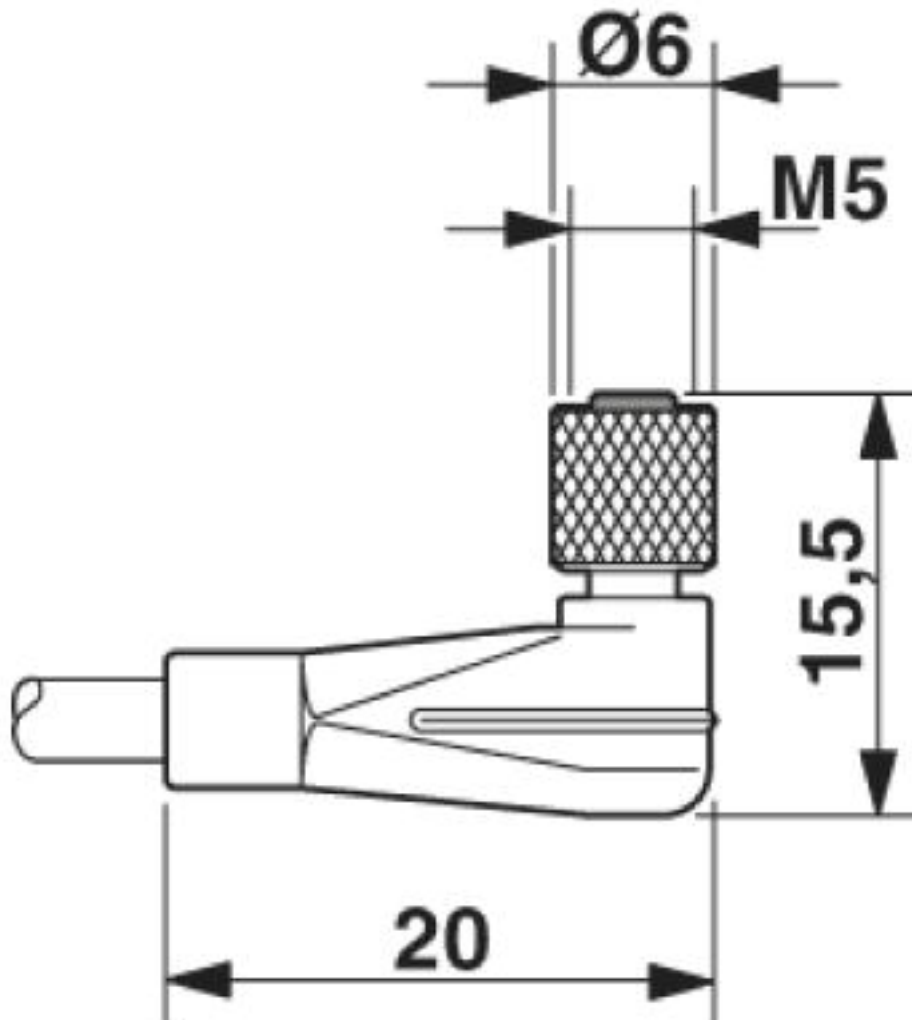
accessories

WIREFOX SAC-1 - 1212757

Drawings

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

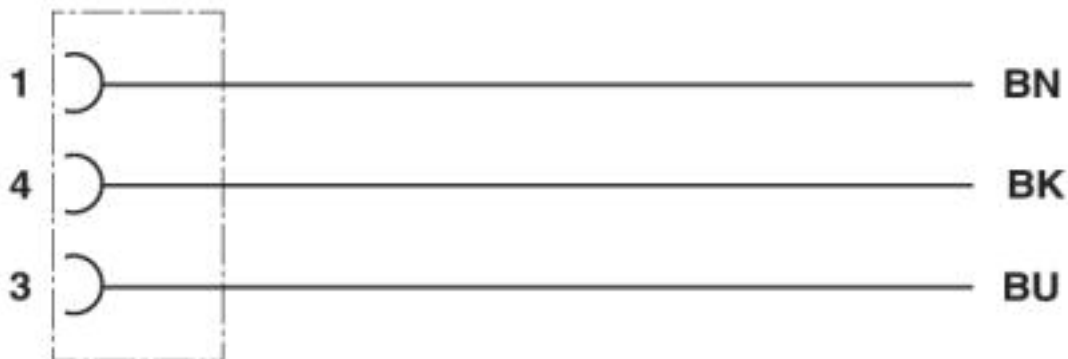
Dimensioned drawing



Socket M5 x 0.5, angled

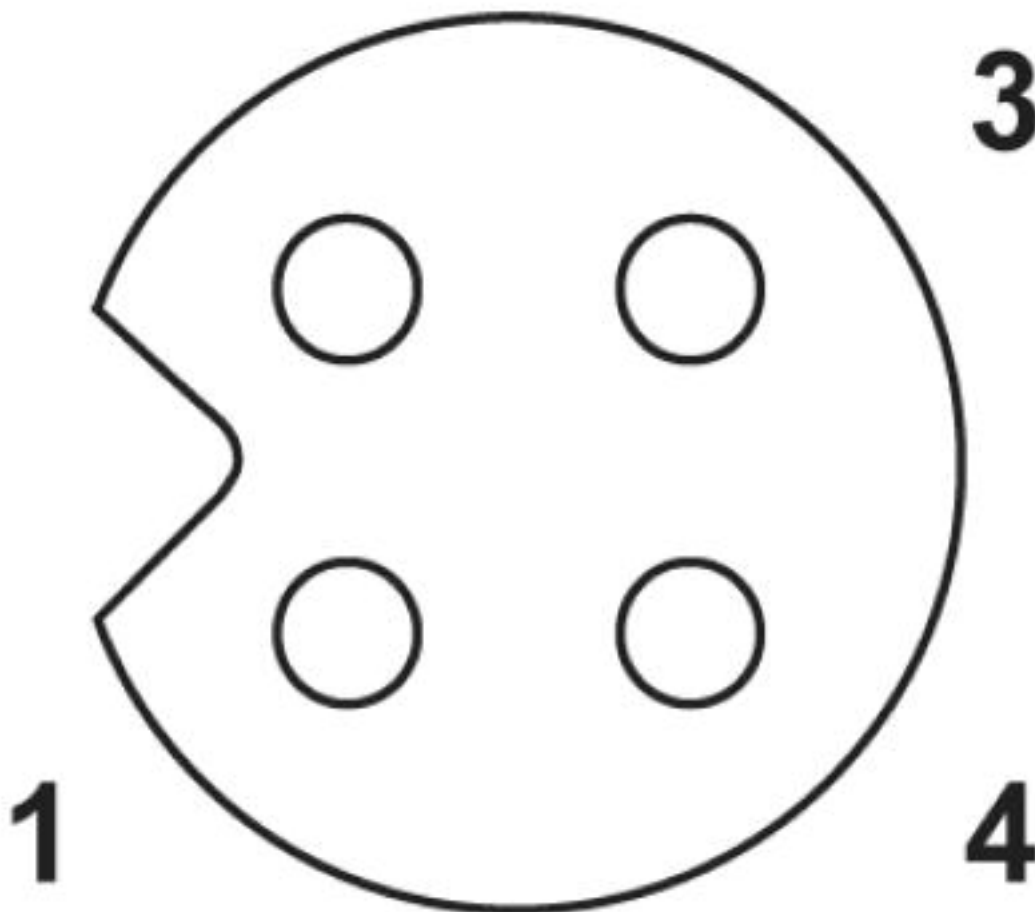
Sensor/Actuator cable - SAC-3P- 3,0-PUR/M5FR - 1530511

Circuit diagram



Contact assignment of the M5 socket

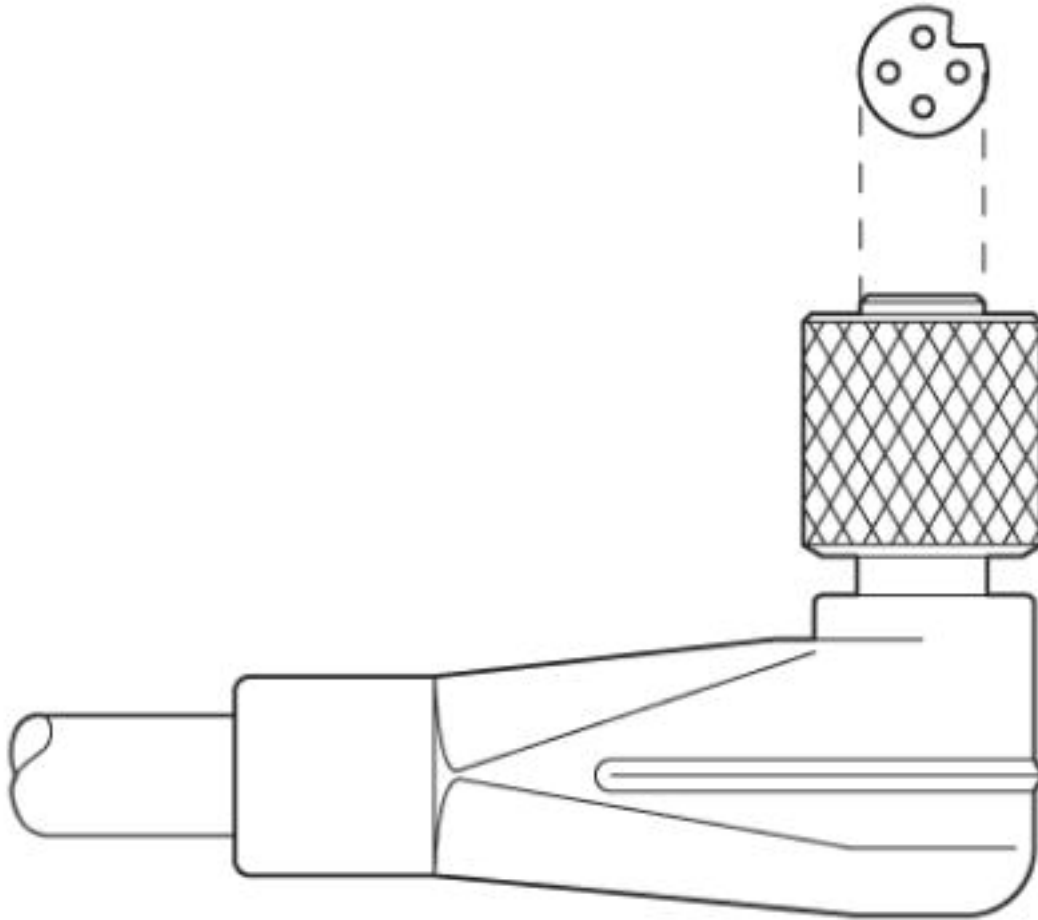
Schematic diagram



Socket M5, 3-pos.

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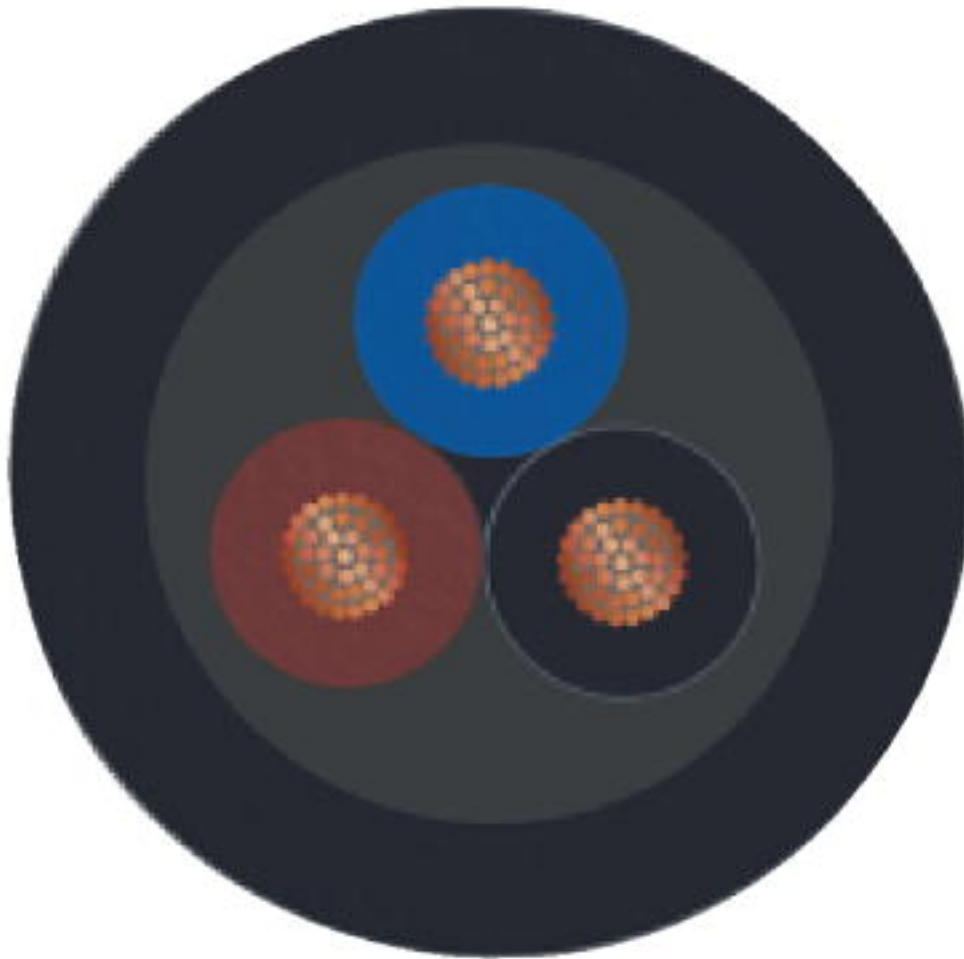
Schematic diagram



Layout of connector pin assignments

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Cable cross section



PUR/PVC black [350]

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