

SAC-4P- 5,0-PUR/M5FR - Sensor/actuator cable



1530566

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Sensor/actuator cable, 4-position, PUR, black RAL 9005, free cable end, on Socket angled M5, coding: A

Your advantages

- Easy and safe: 100 % electrically tested plug-in components

Commercial data

Item number	1530566
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	BF1ACA
Catalog page	Page 190 (C-2-2017)
GTIN	4046356024365
Weight per piece (including packing)	83.5 g
Weight per piece (excluding packing)	82.9 g
Customs tariff number	85444290
Country of origin	DE

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Technical data

Product properties

Product type	Sensor/actuator cable
Application	Standard
Number of positions	4
No. of cable outlets	1
Shielded	no
Coding	A

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Seal material	NBR
Material of grip body	PUR
Contact material	CuSn
Contact surface material	Au
Contact carrier material	PUR
Material for screw connection	Brass, nickel-plated

Electrical properties

Insulation resistance	$\geq 10 \text{ G}\Omega$
Nominal voltage U_N	48 V AC
	60 V DC
Nominal current I_N	1 A
Test voltage	1750 V

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Signaling

Status display	No
Status display present	No

Connector

Connection 1

Type	free cable end
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Connection 2

Type	Socket angled M5
Number of positions	4

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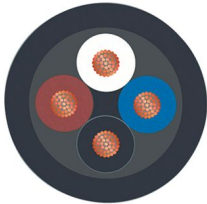
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Coding type	A
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Cable/line

PUR/PVC black [350]

Dimensional drawing	
Number of positions	4
Shielded	no
Cable type	PUR/PVC black [350]
Conductor structure signal line	18x 0.10 mm
AWG signal line	26
Conductor cross section	4x 0.14 mm ² (Signal line)
Wire diameter incl. insulation	0.92 mm ±0.02 mm
External cable diameter	3.50 mm ±0.1 mm
Outer sheath, material	PUR
External sheath, color	black RAL 9005
Conductor material	Bare Cu litz wires
Material wire insulation	PVC
Single wire, color	brown, white, blue, black
Overall twist	4 wires, twisted
Max. conductor resistance	148 Ω/km
Insulation resistance	100 MΩ*km
Nominal voltage, cable	100 V
Test voltage	800 V _{rms}
Smallest bending radius, fixed installation	9 mm
Smallest bending radius, movable installation	18 mm
Ambient temperature (operation)	-15 °C ... 80 °C (cable, fixed installation) -5 °C ... 80 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

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Standard designation	M5 connector
Standards/specifications	IEC 61076-2-105

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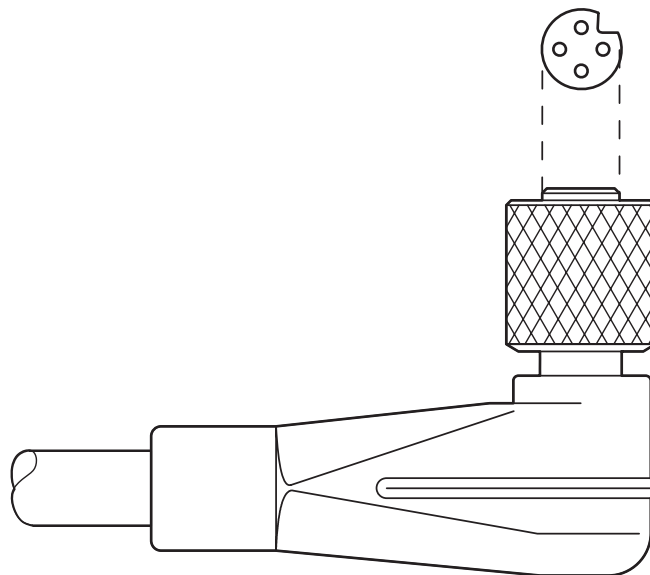
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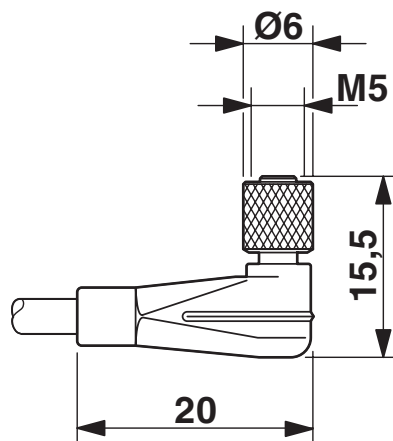
Drawings

Schematic diagram



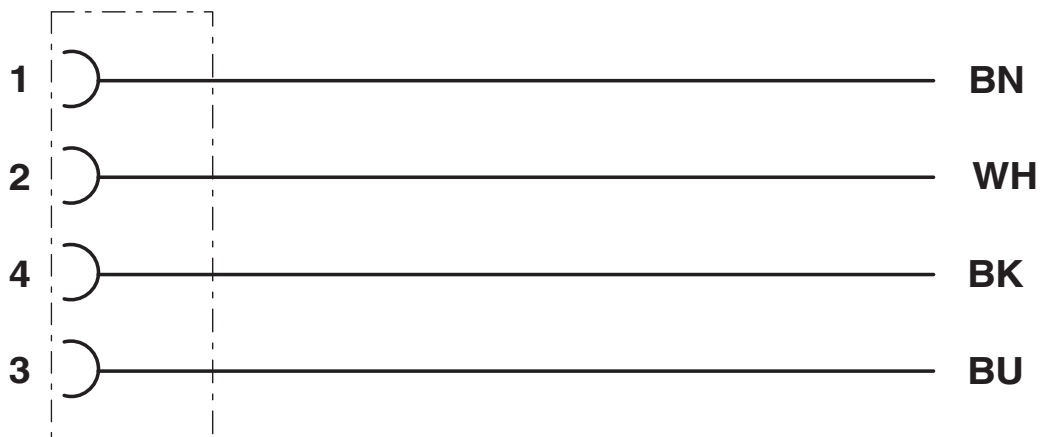
Layout of connector pin assignments

Dimensional drawing

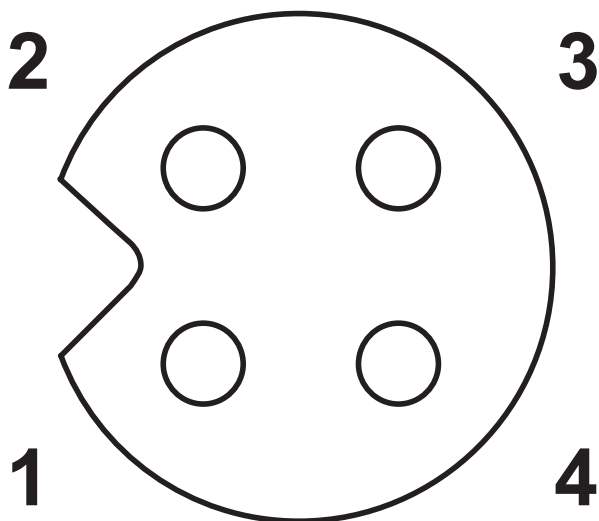


Socket M5 x 0.5, angled

Circuit diagram



Schematic diagram



Socket M5, 4-pos.

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Classifications

ECLASS

ECLASS-11.0	27060311
ECLASS-13.0	27060311

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