

1438956

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Sensor/actuator cable, 4-position, PUR halogen-free, black-gray RAL 7021, free cable end, on Valve connector AD (pressure switch), Wiring: unwired, cable length: 3 m

Your advantages

- Easy and safe: 100 % electrically tested plug-in components
- Our standard: robust halogen-free PUR cable

Commercial data

Item number	1438956
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF07
Product key	BF1DBA
Catalog page	Page 242 (C-2-2019)
GTIN	4046356489003
Weight per piece (including packing)	133.1 g
Weight per piece (excluding packing)	129.6 g
Customs tariff number	85444290
Country of origin	PL

SAC-4P-3,0-PUR/AD - Sensor/actuator cable



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Technical data

Product properties

Product type	Sensor/actuator cable with valve connector
Application	Standard
Number of positions	4
No. of cable outlets	1
Shielded	no

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	V0
Material housing valve plug	TPU
Contact material	CuSn
Valve plug contact insert material	PA 6
Contact surface material	Sn

Electrical properties

Insulation resistance	$\geq 100 \text{ M}\Omega$
Nominal voltage U_N	230 V AC
	230 V DC
Nominal current I_N	4 A

Valve connector characteristics

Fixing screws	M3 x 29
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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	Valve connector AD (pressure switch)
Material	CuSn (Contact)
	Sn (Contact surface)
	PA 6 (Contact carriers)
	TPU (Housing)

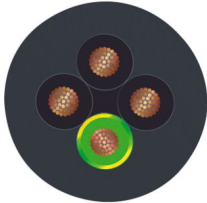
Cable/line

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Cable length	3 m
PUR halogen-free black [PUR]	
Dimensional drawing	
UL AWM Style	20549
Number of positions	4
Shielded	no
Cable type	PUR halogen-free black [PUR]
Conductor structure signal line	28x 0.15 mm
AWG signal line	20
Conductor cross section	4x 0.5 mm ²
Wire diameter incl. insulation	1.5 mm ±0.05 mm (Signal line)
External cable diameter	4.90 mm ±0.2 mm
Outer sheath, material	PUR
External sheath, color	black-gray RAL 7021
Conductor material	Bare Cu litz wires
Material wire insulation	PP
Single wire, color	black 1, black 2, black 3, green/yellow
Overall twist	4 wires, twisted
Max. conductor resistance	39 Ω/km (at 20 °C)
Insulation resistance	min. 20 MΩ*km
Nominal voltage, cable	300 V
Test voltage	1200 V
Smallest bending radius, fixed installation	25 mm
Smallest bending radius, movable installation	50 mm
Max. bending cycles	15000000
Flame resistance	according to DIN VDE 0482 According to DIN EN 50265-2-1
Other resistance	largely oil-resistant partly UV-resistant (in accordance with DIN EN ISO 4892-2-A)
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -20 °C ... 80 °C (Cable, flexible installation)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
	IP67

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Ambient temperature (operation)	-20 °C ... 85 °C (valve plug)
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Standards and regulations

Valve connector	
Standard designation	Valve connector
Standards/specifications	EN 175301-803

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com