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Sensor/Actuator cable, 3-position, PUR halogen-free, Black-gray RAL 7021, Free cable end, on Valve connector A, with 1 LED, connected with Varistor, Cable length: 1.5 m

Product Features

- ☑ Easy and safe: 100% electrically tested plug-in components
- Robust valve connector with varistor as protective circuit
- ☑ Convenient: increased machine availability thanks to quick and easy diagnostics



Key commercial data

Packing unit	1 pc
Custom tariff number	85444290
Country of origin	Poland

Technical data

Dimensions

Length of cable	1.5 m
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Ambient conditions

Ambient temperature (operation)	-20 °C 85 °C (valve plug)
Degree of protection	IP65
	IP67

General

Rated current at 40°C	4 A
Rated voltage	230 V
Number of positions	3
Contact resistance	$\leq 5~\text{m}\Omega$
Insulation resistance	\geq 100 M Ω



Technical data

General

Standards/regulations	Valve connector EN 175301-803
Status display	1 LED
Protective circuit/component	230 V varistor
Surge voltage category	III
Pollution degree	3
Torque	0.6 Nm (Valve connector)

Material

Inflammability class according to UL 94	V0
Valve plug contact material	CuSn
Valve plug contact surface material	Sn
Valve plug contact insert material	PA 66
Material housing valve plug	TPU
Sealing material	TPU (Seal molded)

Cable

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR
Cable abbreviation	Li9Y11Y-HF
UL AWM style	20549
Conductor cross section	3x 0.5 mm ²
AWG signal line	20
Conductor structure signal line	28x 0.15 mm
Core diameter including insulation	1.5 mm ±0.05 mm (signal line)
Wire colors	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
External sheath, color	Black-gray RAL 7021
External cable diameter D	4.5 mm ±0.2 mm
Smallest bending radius, fixed installation	22.5 mm
Number of bending cycles	15000000
Bending radius	50 mm
Traversing path	0.9 m
Traversing rate	5 m/s
Acceleration	30 m/s²
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Insulation resistance	min. 20 MΩ*km



Technical data

Cable

Conductor resistance	39000000 Ω/km (at 20 °C)
Nominal voltage, cable	≤ 300 V
Test voltage, cable	≥ 1200 V
Flame resistance	According to DIN VDE 0482
	According to DIN EN 50265-2-1
Halogen-free	in accordance with DIN VDE 0472 part 815
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)

Classifications

eCl@ss

eCl@ss 4.0	27060306
eCl@ss 4.1	27060306
eCl@ss 5.0	27060300
eCl@ss 5.1	27061804
eCl@ss 6.0	27061801
eCl@ss 7.0	27061801
eCl@ss 8.0	27279218

ETIM

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 GOST Ex Approvals Approvals submitted Approval details

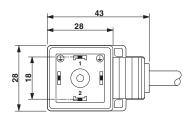
Drawings

Schematic diagram



Valve connector pin assignment, type A

Dimensioned drawing



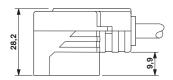
Valve connector, type A

Cable cross section



PUR halogen-free black [PUR]

Dimensioned drawing



Valve connector, type A, side view



Circuit diagram BK 2 BK 1 GNYE (PE)

Contact assignment of the valve plug

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