

Sensor/Actuator cable - SAC-3P- 3,0-PUO/A-1L-Z OD - 1407288

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Sensor/Actuator cable, 3-position, PUR halogen-free, Black RAL 9005, free cable end, on Valve connector A, with 1 LED, connected with Z diode, Cable length: 3 m, for outdoor applications, With stainless steel central screw and additional silicone seal (red)

Why buy this product

- ✓ Easy and safe: 100% electrically tested plug-in components
- ✓ Robust valve connector with Zener diode as protective circuit
- ✓ Corrosion protection for all exposed metal parts, thanks to the use of stainless steel type 1.4404
- ✓ Robust throughout: resistant to oil, UV, and ozone, withstands temperatures from -20°C to +85°C
- ✓ Convenient: increased machine availability thanks to quick and easy diagnostics



Key commercial data

Packing unit	1 pc
GTIN	 4 046356 774062
Weight per Piece (excluding packing)	159.65 g
Custom tariff number	85444290
Country of origin	Poland
Note	Made to Order (non-returnable)

Technical data

Dimensions

Length of cable	3 m
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Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (valve plug)
Degree of protection	IP65
	IP66K (Observe tightening torque)
	IP67
	IP68

General

Rated current at 40°C	4 A
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Technical data

General

Rated voltage	24 V
Number of positions	3
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Standards/regulations	Valve connector EN 175301-803
Status display	1 LED
Protective circuit/component	Z diode
Surge voltage category	III
Pollution degree	3
Torque	0.6 Nm ... 0.8 Nm (Valve connector)
Tightening torque	0.8 Nm for IP66K

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)
	Silicon (Seal snapped in)

Cable

Cable type	PUR halogen-free, black
Cable type (abbreviation)	PUO
Cable abbreviation	Li9Y11Y
Conductor cross section	3x 0.5 mm ²
AWG signal line	20
Conductor structure signal line	16x 0.20 mm
Core diameter including insulation	2 mm ±0.05 mm
Wire colors	black 1, black 2, green/yellow
Overall twist	3 wires, twisted
External sheath, color	Black RAL 9005
External cable diameter D	5.9 mm ±0.1 mm
Minimum bending radius, fixed installation	10 x D
Minimum bending radius, flexible installation	15 x D
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Tin-plated Cu litz wires
Insulation resistance	70 GΩ*km
Conductor resistance	≤ 40.1 Ω/km
Nominal voltage, cable	300 V
Test voltage Core/Core	3000 V (Spark test)

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Technical data

Cable

Halogen-free	in accordance with DIN VDE 0472 part 815
	According to EN 50267-2-1
Resistance to oil	According to DIN EN 50306
	According to DIN EN 60811-2-1, 138 h at 100°C
Other resistance	UV resistant
	hydrolysis and microbe resistant
	Good resistance to aggressive media
Ambient temperature (operation)	-40 °C ... 105 °C (cable, fixed installation)
	-15 °C ... 105 °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	27260701
eCl@ss 6.0	27279221
eCl@ss 7.0	27440104
eCl@ss 8.0	27279218

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

Accessories

Accessories

Seal

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Accessories

Grommet - SAC-VP-SEAL-SIL/RD OD - 1410695



Seal set for valve connectors A and AD, for outdoor applications, consisting of silicone seal and latching

Torque tool

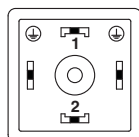
Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

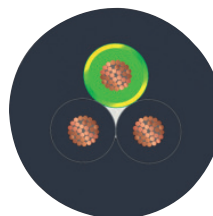
Drawings

Schematic diagram



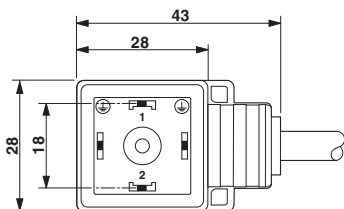
Valve connector pin assignment, type A

Cable cross section



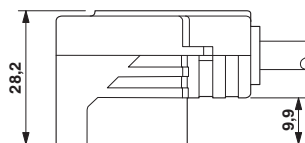
PUR halogen-free, black [PUO]

Dimensioned drawing



Valve connector, type A

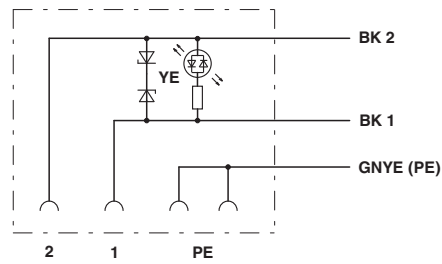
Dimensioned drawing



Valve connector, type A, side view

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Circuit diagram



Contact assignment of the valve plug

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