

Sensor/Actuator cable - SAC-3P- 5,0-116/A-1L-Z - 1453397

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Sensor/Actuator cable, 3-position, PUR/PVC, Black RAL 9005, Free cable end, on Valve connector A, with 1 LED, Cable length: 5 m

Key commercial data

package_quantity	1
GTIN	4046356552936

Technical data

Dimensions

Length of cable	5 m
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Ambient conditions

Degree of protection	IP65
Degree of protection	IP67

General

Rated current at 40°C	4 A
Rated voltage	24 V
Number of positions	3
Contact resistance	≤ 5 mΩ
Insulation resistance	≥ 100 MΩ
Status display	1 LED
Protective circuit/component	Z diode
Surge voltage category	III
Pollution degree	3

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/PVC, 0.75 mm ² , black
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Technical data

Cable

Cable type (abbreviation)	116
Cable abbreviation	LiYY11Y
UL AWM style	20549
Conductor cross section	3x 0.75 mm ² (signal line)
AWG signal line	18
Conductor structure signal line	24x 0.20 mm
Core diameter including insulation	1.7 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	5.80 mm
Smallest bending radius, fixed installation	58 mm
Number of bending cycles	1000000
Bending radius	58 mm
Traversing path	10 m
Traversing rate	2 m/s
Acceleration	2.5 m/s ²
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Insulation resistance	≥ 20 MΩ*km
Conductor resistance	26 Ω/km (at 20 °C)
Nominal voltage, cable	300 V
Test voltage, cable	1200 V
Special properties	Flexible cable conduit capable
Special properties	Silicone-free
Special properties	Free of substances which would hinder coating with paint or varnish
Flame resistance	DIN VDE 0482
Flame resistance	DIN EN 50265-2-1
Flame resistance	In accordance with UL FT-2
Other resistance	Highly resistant to acids, alkaline solutions and solvents
Other resistance	hydrolysis and microbe resistant
Ambient temperature (operation)	-40 °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

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classifications

eCl@ss

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 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

Mounting material

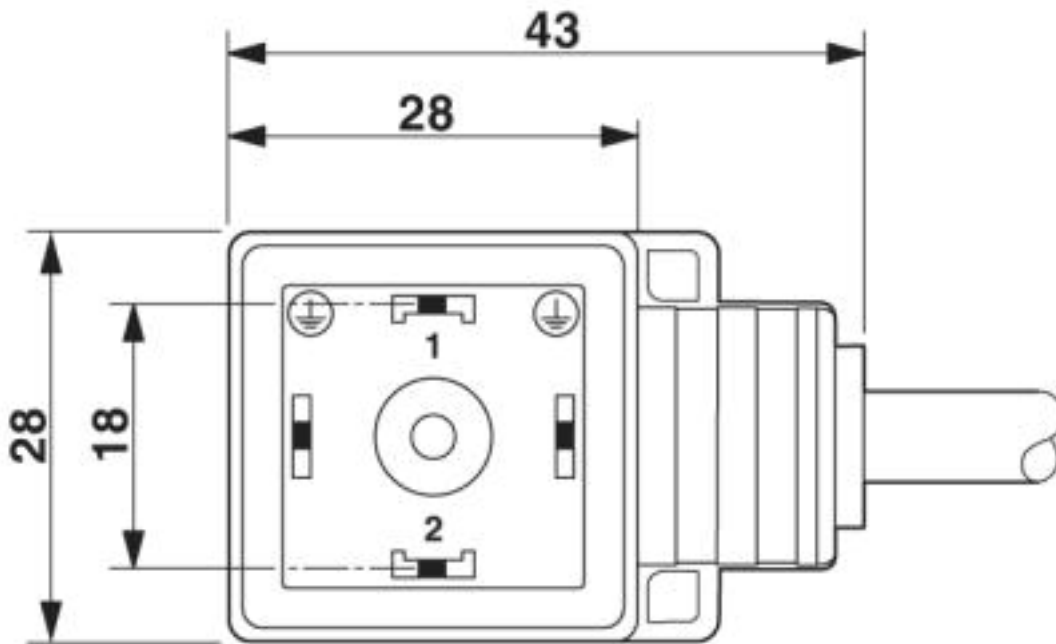
SAC-V-SCREW-M3-29 KNURL - 1403779



Drawings

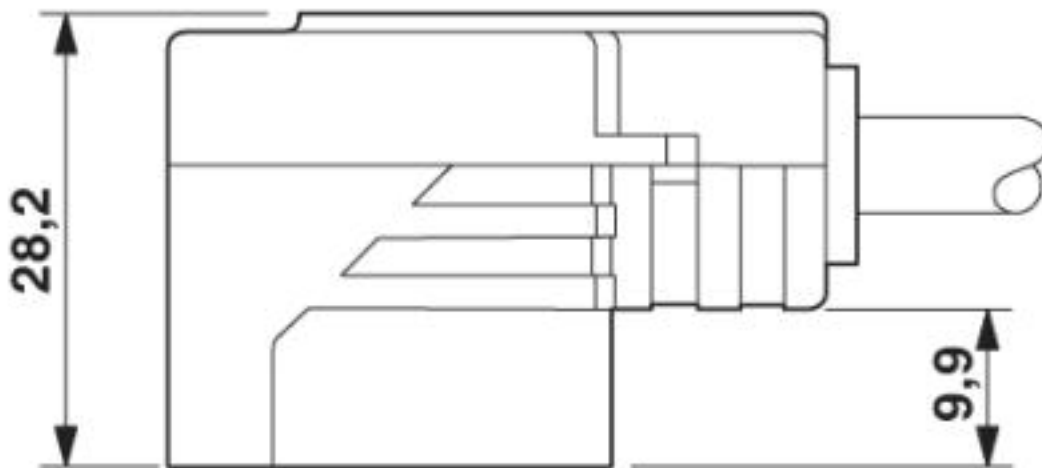
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Dimensioned drawing



Valve connector, type A

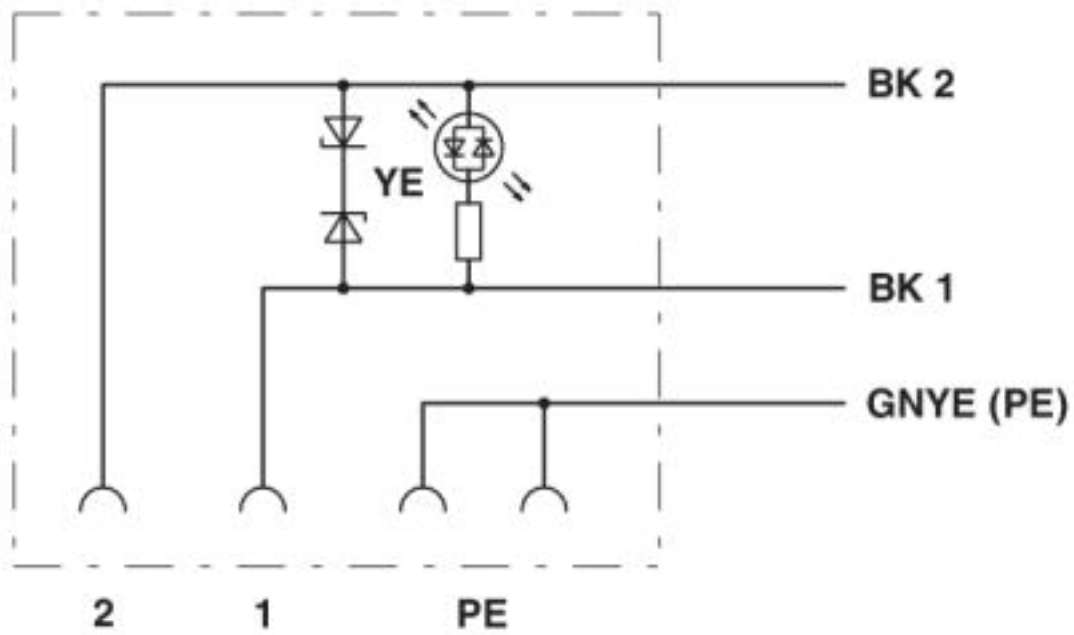
Dimensioned drawing



Valve connector, type A, side view

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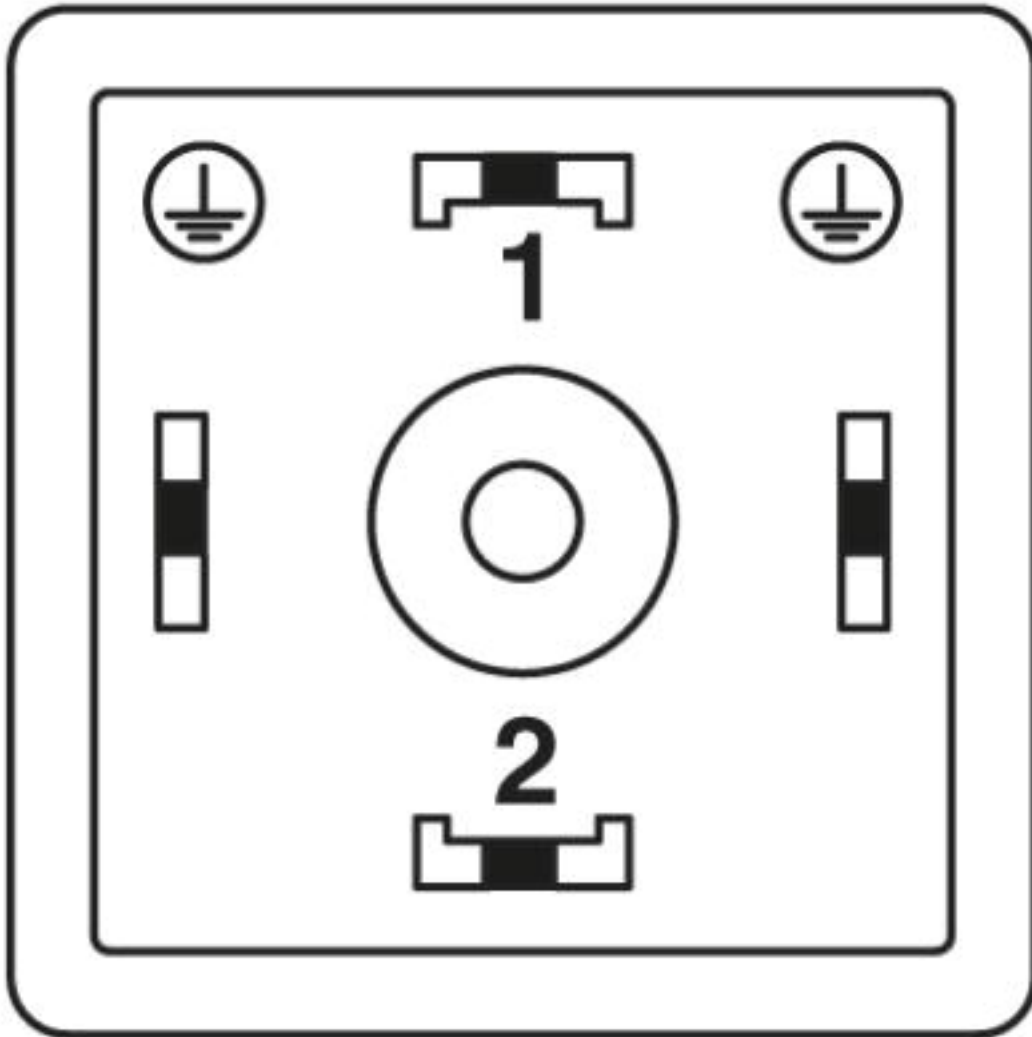
Circuit diagram



Contact assignment of the valve plug

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Schematic diagram



Valve connector pin assignment, type A

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Cable cross section



PUR/PVC black [116]

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