

Sensor/actuator cable - SAC-3P-MS/ 3,0-116/A-1L-Z SCO - 1453436

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Sensor/actuator cable, 3-position, PUR/PVC, black RAL 9005, Plug straight M12 SPEEDCON, A-coded, on Valve connector A, with 1 LED, connected with Z diode, cable length: 3 m



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 552967
GTIN	4046356552967

Technical data

Dimensions

Length of cable	3 m
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Ambient conditions

Degree of protection	IP65
	IP67

General

Rated current at 40°C	4 A
Rated voltage	24 V AC
	24 V DC
Number of positions	3
Coding	A - standard
Status display	1 LED
Protective circuit/component	Z diode
Overvoltage category	III
Degree of pollution	3

Material

Flammability rating according to UL 94	HB
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Technical data

Standards and Regulations

Flammability rating according to UL 94	HB
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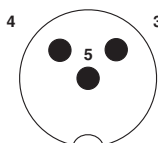
Cable

Cable type	PUR/PVC, 0.75 mm ² , black
Cable type (abbreviation)	116
Cable abbreviation	LiYY11Y
UL AWM style	20549
Conductor cross section	3x 0.75 mm ²
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 D	5.8 mm ±0.2 mm
Minimum bending radius, flexible installation	10 x D
Number of bending cycles	1000000
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
Flame resistance	DIN VDE 0482
	DIN EN 50265-2-1
	in acc. with UL FT-2
Other resistance	Low adhesion
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-5 °C ... 80 °C (cable, flexible installation)

Drawings

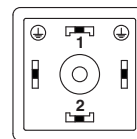
Sensor/actuator cable - SAC-3P-MS/ 3,0-116/A-1L-Z SCO - 1453436

Schematic diagram



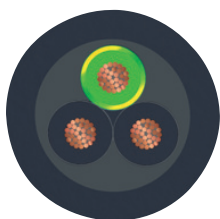
Pin assignment M12 plug, 3-pos., valve connector

Schematic diagram



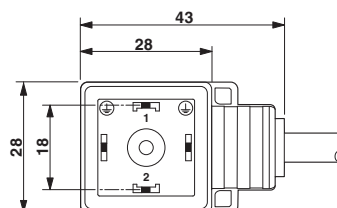
Valve connector pin assignment, type A

Cable cross section



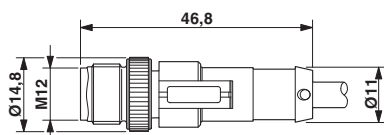
PUR/PVC black [116]

Dimensional drawing



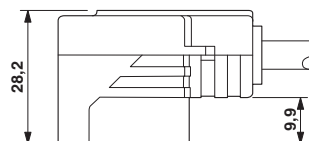
Valve connector, type A

Dimensional drawing



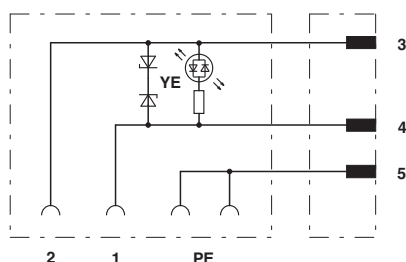
Plug, M12 x 1, straight, shielded

Dimensional drawing



Valve connector, type A, side view

Circuit diagram



Contact assignment of M12 plug and valve connector

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