

# SAC-3P-M12MS/5,0-PUR/A-1L-Z


Order No.: 1439641

The illustration shows the SPEEDCON version



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1439641>

Sensor/Actuator cable, PUR halogen-free, Black-gray RAL 7021, Plug, straightLink:M12, A-coded, on Valve plug A, with 1 LED, connected with Z diode, Cable length: 5 m

Commercial data	
GTIN (EAN)	4  046356 489591
sales group	D113
Pack	1 pcs.
Customs tariff	85444290

#### Product notes

WEEE/RoHS-compliant since:  
01/23/2009



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Technical data	
<b>General data</b>	
Rated current at 40°C	4 A
Rated voltage	24 V
Length of cable	5 m

### General characteristics

Surge voltage category	III
Pollution degree	3
Degree of protection	IP65/IP67
Insertion/withdrawal cycles	≥ 100
Status display	1 LED
Protective circuit/component	Z diode

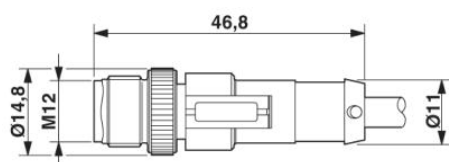
### Conductor data

Cable type	PUR halogen-free black
Cable type (abbreviation)	PUR
Cable abbreviation	Li9Y11Y-HF
UL AWM Style	20549
Conductor cross section	0.5 mm <sup>2</sup>
AWG signal line	20
Conductor structure signal line	28x 0.15 mm
AWG power supply	26
Core diameter including insulation	1.46 mm ±0.02 mm
External cable diameter	4.5 mm ±0.15 mm
Wire colors	Black 1, black 2, green/yellow
External sheath, color	Black-gray RAL 7021
Insulation resistance	Min. 20 MΩ*km
Conductor resistance	max. 39 Ω/km (at 20°C)
Nominal voltage, conductor	≤ 300 V
Test voltage, conductor	≥ 3000 V
Overall twist	3 wires, twisted
Outer sheath, material	PUR
Material conductor insulation	PP
Conductor material	Bare Cu litz wires
Cable weight	30 kg/km
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/s <sup>2</sup>

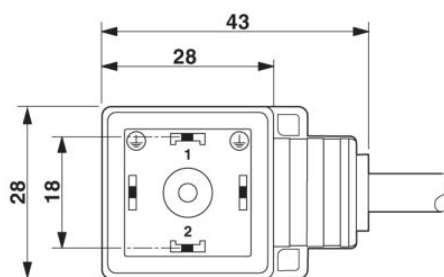
Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation)
	-20 °C ... 80 °C (cable, flexible installation)
Special properties	Flexible cable conduit capable
	Silicone-free
	Free of substances which would hinder coating with paint or varnish
Flame resistance	in accordance with DIN UL-Style 20549
Halogen-free	in accordance with DIN VDE 0472 part 815
Resistance to oil	in accordance with DIN EN 60811-2-1
Other resistance	Highly resistant to acids, alkaline solutions and solvents
	hydrolysis and microbe resistant

### Diagrams/Drawings

Dimensioned drawing

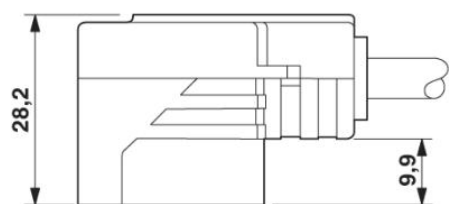


M12 x 1 male connector, straight

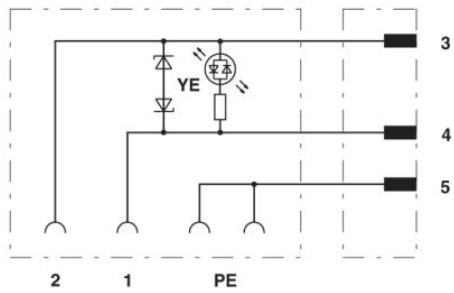


Valve plug, type A

Valve connector, type A, side view

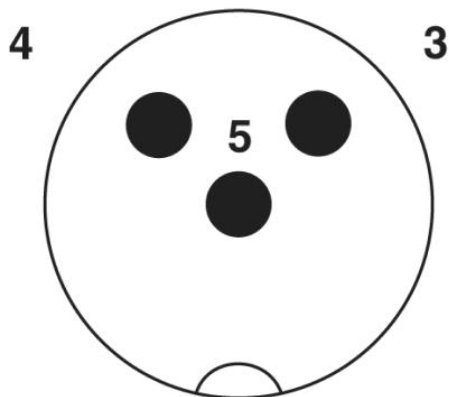


Circuit diagram

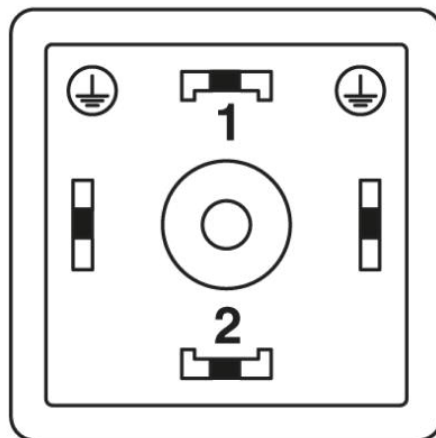


Contact assignment of M12 plug and valve connector

Schematic diagram



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



Valve connector pin assignment, type A

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