



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**SAC-3P-M12MS/2,0-PUR/BI-1L-S**

Order No.: 1515099

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1515099>

Sensor/Actuator cable, 3-position, PUR/PVC, Black RAL 9005, Plug, straight M12, A-coded, on Valve plug type B (11 mm), with 1 LED, connected with Z diode, Cable length: 2 m

**Commercial data**

GTIN (EAN)	4017918924652
Note	Made-to-order
sales group	D114
Pack	5 pcs.
Customs tariff	85444290
Weight/Piece	0.14687 KG

**Product notes**WEEE/RoHS-compliant since:  
07/05/2006

<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

**Technical data****General data**

Rated current at 40°C	4 A
Rated voltage	24 V
Number of positions	3
Volume resistance	≤ 15 mΩ

Insulation resistance	≥ 100 MΩ
Length of cable	2 m

**General characteristics**

Coding	A - standard
Surge voltage category	II
Pollution degree	3
Degree of protection	IP67
Insertion/withdrawal cycles	≥ 100
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	TPU GF
Material of grip body	TPU, hardly inflammable, self-extinguishing
Contact material	CuSn
Contact surface material	Ag
Valve plug contact insert material	PBT
Material, housing, valve plug	PBT
Material, knurls	Zinc die-cast, (nickel-plated)
Sealing material	TPU (Flat gasket valve plug)
Status display	1 LED
Protective circuit/component	Z diode

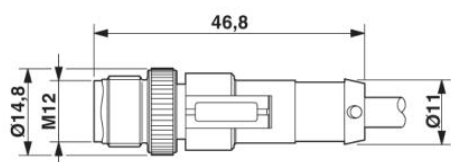
**Conductor data**

Cable type	PUR/PVC black
Cable abbreviation	LIYY11Y-JZ
Conductor cross section	0.75 mm <sup>2</sup>
AWG signal line	18
Conductor structure signal line	42x 0.15 mm
Core diameter including insulation	Approx. 1.8 mm
Thickness, insulation	Approx. 0.34 mm (Core insulation)
	Approx. 0.35 mm (Outer cable sheath)
	Approx. 0.3 mm (Inner sheath)
External cable diameter	5.90 mm
Wire colors	Black 1, black 2, green/yellow
External sheath, color	Black RAL 9005
Insulation resistance	≥ 1 MΩ*km

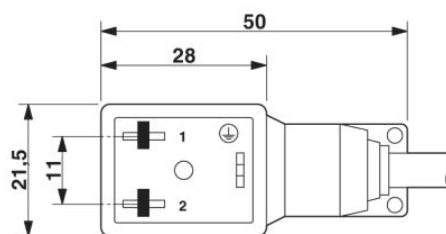
Nominal voltage, conductor	300 V
Test voltage, conductor	2000 V
Overall twist	3 concentrically twisted wires
Outer sheath, material	PUR
Material, inner sheath	PVC
Material conductor insulation	PVC
Conductor material	Bare Cu litz wires
Smallest bending radius, movable installation	59 mm

**Diagrams/Drawings**

Dimensioned drawing

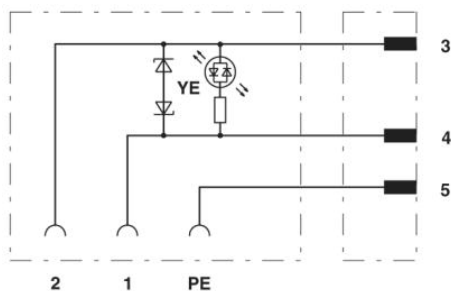


M12 x 1 male connector, straight



Valve connector, type BI

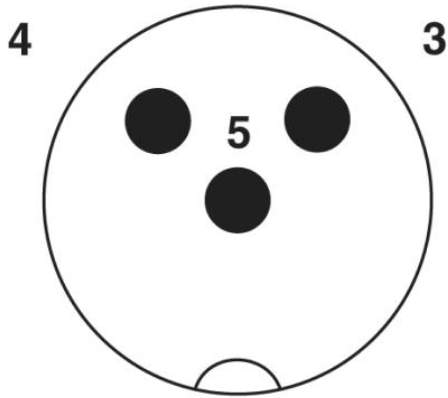
Circuit diagram



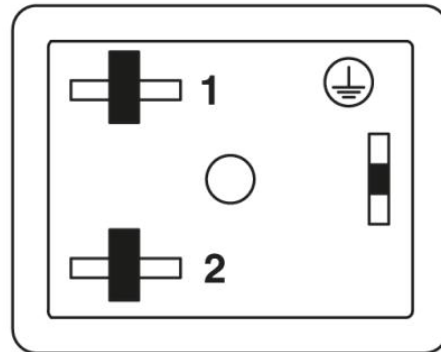
Contact assignment of M12 plug and valve connector

Schematic diagram

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



Valve connector pin assignment, type BI

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