



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



SAC-3P-M12MS/1,5-PUR/BI-1L-S


Order No.: 1669136



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1669136>

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: 1.5 m

Commercial data

GTIN (EAN)	
Note	Made-to-order
sales group	D114
Pack	1 pcs.
Customs tariff	85444290
Catalog page information	Page 90 (PC-2007)

Product notes

WEEE/RoHS-compliant since:
04/27/2006



<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
	24 V (in acc. with DIN VDE 0110)
Number of positions	3

Volume resistance	5 mΩ
Insulation resistance	≥ 100 MΩ
Length of cable	1.5 m
Ambient temperature (operation)	-25 °C ... 90 °C (Male connector / female connector) -20 °C ... 80 °C (valve plug)

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
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 ²
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	$\geq 1 \text{ M}\Omega \cdot \text{km}$
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
Ambient temperature (operation)	-30 °C ... 70 °C (cable, fixed installation) -5 °C ... 70 °C (cable, flexible installation)

Certificates / Approvals

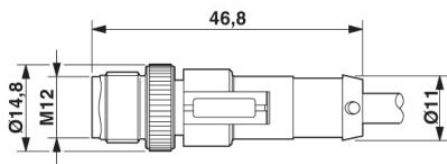


Certification

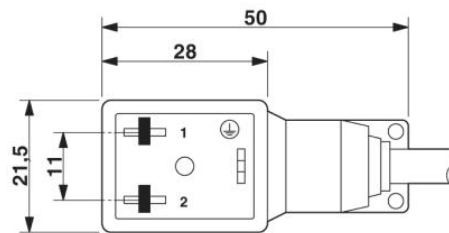
GOST

Diagrams/Drawings

Dimensioned drawing

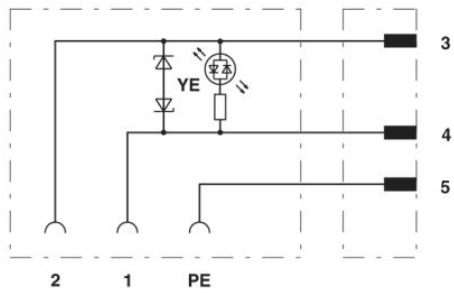


M12 x 1 male connector, straight



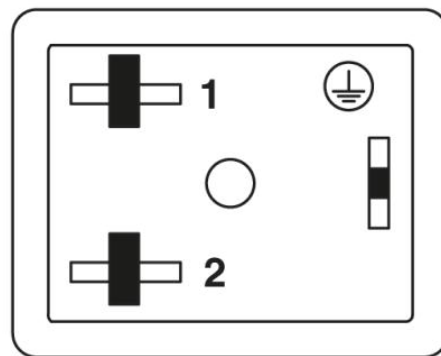
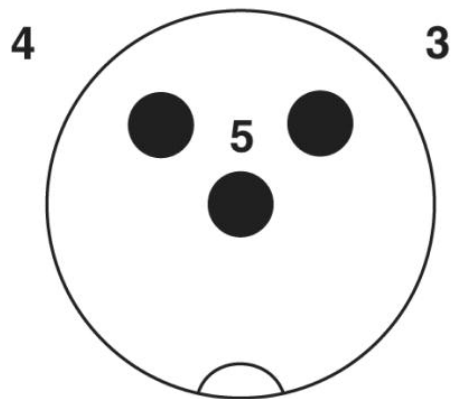
Valve connector, type BI

Circuit diagram



Contact assignment of M12 plug and valve connector

Schematic diagram



Valve connector pin assignment, type BI

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

Address

PHOENIX CONTACT Deutschland GmbH
Flachmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



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