



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/1,5-PUR/CI-1L-S

Order No.: 1669217



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1669217>

Sensor/Actuator cable, 3-position, PUR/PVC, Black RAL 9005, Plug, straight M12, A-coded, on Valve plug C (9,4 mm), with 1 LED, connected with Z diode, Cable length: 1.5 m

| Commercial data | |
|--------------------------|---|
| GTIN (EAN) |  |
| Note | Made-to-order |
| sales group | D115 |
| Pack | 1 pcs. |
| Customs tariff | 85444290 |
| Catalog page information | Page 90 (PC-2007) |

Product notes

WEEE/RoHS-compliant since:
10/18/2006



<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

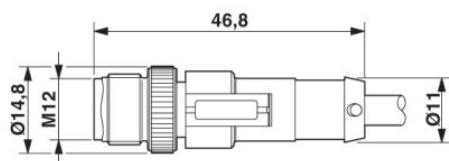


Certification

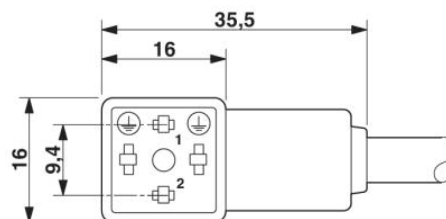
GOST

Diagrams/Drawings

Dimensioned drawing

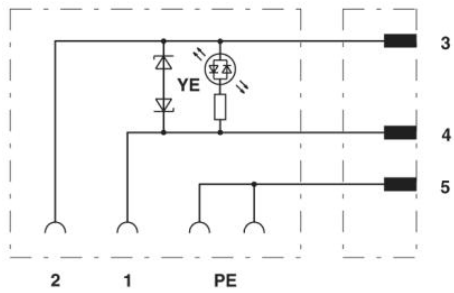


M12 x 1 male connector, straight



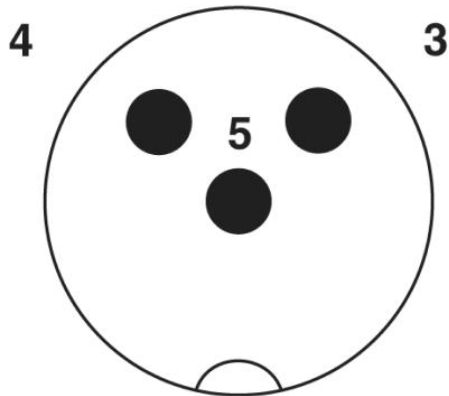
Valve connector, type CI

Circuit diagram

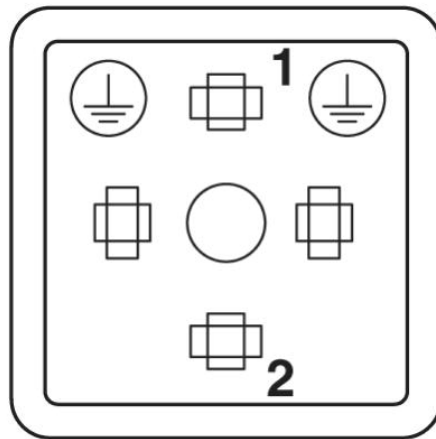


Contact assignment of M12 plug and valve connector

Schematic diagram



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



Valve connector connector pin assignment, type CI

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