

# SAC-3P-MR/2,5-PUR/BI-1L-S SCO

Order No.: 1537857



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=1537857>

Sensor/Actuator cable, 3-position, PUR/PVC, Black RAL 9005, Plug, angledLink:M12-SPEEDCON, A-coded, on BI valve connector (11 mm), with 1 LED, connected with Z diode, Cable length: 2.5 m



## Commercial data

|                |                 |
|----------------|-----------------|
| GTIN (EAN)     | 4 046356 074209 |
| Note           | Made-to-order   |
| sales group    | D114            |
| Pack           | 1 pcs.          |
| Customs tariff | 85444290        |

## Product notes

WEEE/RoHS-compliant since:  
04/28/2006



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## 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 | $\geq 100 \text{ M}\Omega$ |
| Length of cable       | 2.5 m                      |

#### General characteristics

|                                    |                                             |
|------------------------------------|---------------------------------------------|
| Coding                             | A - standard                                |
| Surge voltage category             | II                                          |
| Pollution degree                   | 3                                           |
| Degree of protection               | IP67                                        |
| 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                                     |

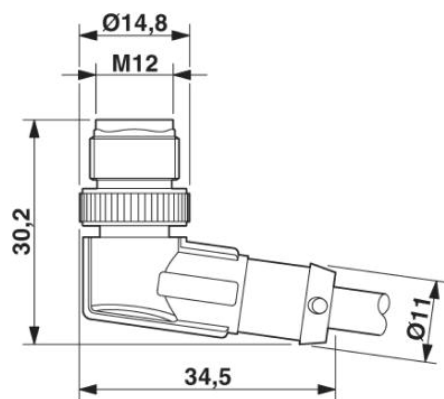
#### Conductor data

|                                    |                                          |
|------------------------------------|------------------------------------------|
| 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    | 24x 0.20 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            | 5.20 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         | 240 V                                    |

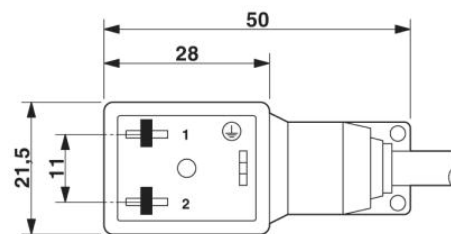
|                                               |                                |
|-----------------------------------------------|--------------------------------|
| Test voltage, conductor                       | 2000 V                         |
| Overall twist                                 | 3 concentrically twisted wires |
| Length of twist, overall twist                | 83 mm                          |
| Outer sheath, material                        | PUR                            |
| Material, inner sheath                        | PVC                            |
| Material conductor insulation                 | PVC                            |
| Conductor material                            | Bare Cu litz wires             |
| Smallest bending radius, movable installation | 62 mm                          |

## Diagrams/Drawings

### Dimensioned drawing

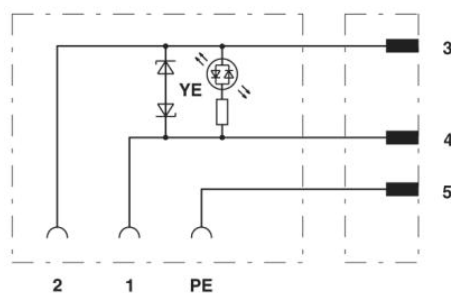


M12 x 1 male connector, angled



Valve connector, type BI

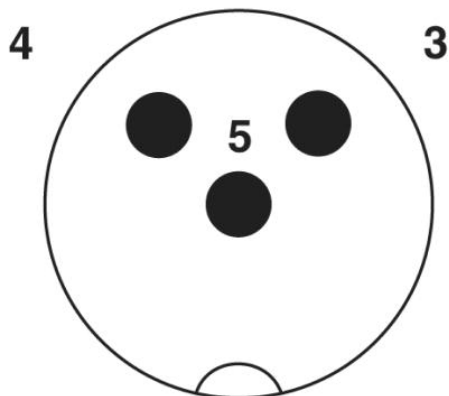
### Circuit diagram



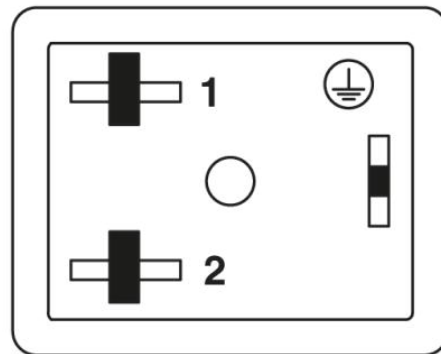
Contact assignment of M12 plug and valve connector

Schematic diagram

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



Valve connector pin assignment, type BI

**Address**

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