

## Sensor/Actuator cable - SAC-3P-M12MS/1,0-PUR/BI-1L-Z - 1438613

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Sensor/Actuator cable, 3-position, PUR halogen-free, Black-gray RAL 7021, Plug straight M12, A-coded, on Valve connector BI (11 mm), with 1 LED, connected with Z diode, Cable length: 1 m

The illustration shows the SPEEDCON version



### Key commercial data

|                                      |          |
|--------------------------------------|----------|
| Packing unit                         | 1 1      |
| Weight per Piece (excluding packing) | 60.0 GRM |
| Custom tariff number                 | 85444290 |
| Country of origin                    | Poland   |

### Technical data

#### Dimensions

|  |       |
|--|-------|
| Length of cable                            | 1 m   |
| Stripping length of the free conductor end | 50 mm |

#### Ambient conditions

|                      |      |
|----------------------|------|
| Degree of protection | IP65 |
|                      | IP67 |

#### General

|                              |              |
|------------------------------|--------------|
| Rated current at 40°C        | 4 A          |
| Rated voltage                | 24 V         |
| Number of positions          | 3            |
| Contact resistance           | ≤ 5 mΩ       |
| Insulation resistance        | ≥ 100 MΩ     |
| Coding                       | A - standard |
| Status display               | 1 LED        |
| Protective circuit/component | Z diode      |

## Sensor/Actuator cable - SAC-3P-M12MS/1,0-PUR/BI-1L-Z - 1438613

### Technical data

#### General

|                             |       |
|-----------------------------|-------|
| Surge voltage category      | III   |
| Pollution degree            | 3     |
| Insertion/withdrawal cycles | ≥ 100 |

#### Material

|   |                              |
|---|------------------------------|
| Inflammability class according to UL 94 | HB                           |
| Contact material                        | CuSn                         |
| Contact surface material                | Ni/Au                        |
| Contact carrier material                | TPU GF                       |
| Material of grip body                   | TPU                          |
| Valve plug contact material             | CuSn                         |
| Valve plug contact surface material     | Sn                           |
| Valve plug contact insert material      | PA 66                        |
| Material housing valve plug             | TPU                          |
| Material, knurls                        | Zinc die-cast, nickel-plated |
| Sealing material                        | TPU (Seal molded)            |

#### Cable

|                                 |                                |
|---------------------------------|--------------------------------|
| Cable type                      | PUR halogen-free black         |
| Conductor cross section         | 0.5 mm <sup>2</sup>            |
| AWG signal line                 | 20                             |
| Conductor structure signal line | 28x 0.15 mm                    |
| Wire colors                     | Black 1, black 2, green/yellow |
| Overall twist                   | 3 concentrically twisted wires |
| External sheath, color          | Black-gray RAL 7021            |
| External cable diameter         | 4.50 mm                        |
| Outer sheath, material          | PUR                            |
| Conductor material              | Bare Cu litz wires             |

### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27060306 |
| eCl@ss 4.1 | 27060306 |
| eCl@ss 5.0 | 27061801 |
| eCl@ss 5.1 | 27061801 |
| eCl@ss 6.0 | 27061801 |
| eCl@ss 7.0 | 27061801 |

# Sensor/Actuator cable - SAC-3P-M12MS/1,0-PUR/BI-1L-Z - 1438613

## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 8.0 | 27061801 |
|------------|----------|

## ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001855 |
| ETIM 4.0 | EC001855 |
| ETIM 5.0 | EC001855 |

## UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11     | 31251501 |
| UNSPSC 12.01  | 31251501 |
| UNSPSC 13.2   | 31251501 |

## Accessories

Accessories

Mounting material

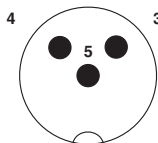
Screw - SAC-V-SCREW-M3-29 KNURL - 1403779



Fillister head screw with plastic knurl, M3 x 40

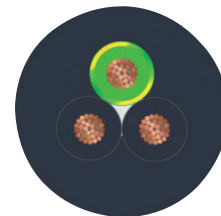
## Drawings

Schematic diagram



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

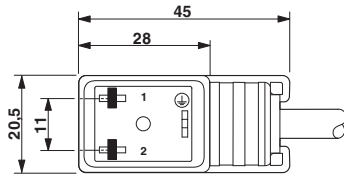
Cable cross section



PUR halogen-free black [PUR]

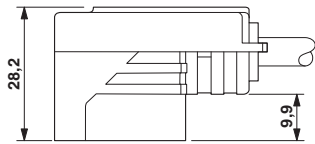
# Sensor/Actuator cable - SAC-3P-M12MS/1,0-PUR/BI-1L-Z - 1438613

Dimensioned drawing



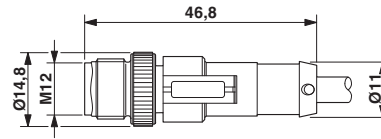
Valve connector, type BI

Dimensioned drawing



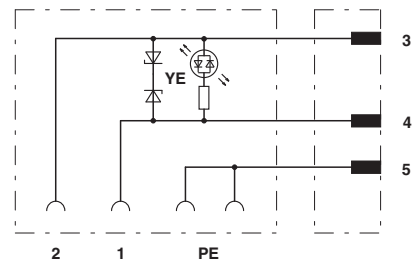
Valve connector, type BI, side view

Dimensioned drawing



M12 x 1 plug, straight

Circuit diagram



Contact assignment of M12 plug and valve connector

单击下面可查看定价，库存，交付和生命周期等信息

[>>Phoenix Contact\(菲尼克斯\)](#)