

# SAC-3P-M12MR/0,3-PUR/A-1L-Z - Sensor/actuator cable



1439337  
<https://www.phoenixcontact.com/us/products/1439337>

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 documentation. Our general terms of use for downloads are valid.



Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, Plug angled M12, on Valve connector A, with 1 LED

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1439337                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | BF07                           |
| Product key                          | BF1DJA                         |
| GTIN                                 | 4046356489225                  |
| Weight per piece (including packing) | 43.8 g                         |
| Weight per piece (excluding packing) | 43.8 g                         |
| Customs tariff number                | 85444290                       |
| Country of origin                    | PL                             |

# SAC-3P-M12MR/0,3-PUR/A-1L-Z - Sensor/actuator cable



1439337  
<https://www.phoenixcontact.com/us/products/1439337>

## Technical data

### Product properties

|                     |                                            |
|---------------------|--------------------------------------------|
| Product type        | Sensor/actuator cable with valve connector |
| Number of positions | 3                                          |

### Electrical properties

|                                |         |
|--------------------------------|---------|
| Nominal voltage U <sub>N</sub> | 24 V AC |
|                                | 24 V DC |

### Mechanical properties

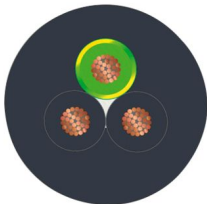
|                             |       |
|-----------------------------|-------|
| Mechanical data             |       |
| Insertion/withdrawal cycles | ≥ 100 |

### Connector

|                     |                 |
|---------------------|-----------------|
| Connection 1        |                 |
| Type                | Plug angled M12 |
| Number of positions | 3               |

|                     |                   |
|---------------------|-------------------|
| Connection 2        |                   |
| Type                | Valve connector A |
| Number of positions | 3                 |

### Cable/line

|                                 |                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------|
| PUR halogen-free black [PUR]    |                                                                                      |
| Dimensional drawing             |  |
| Cable weight                    | 30 kg/km                                                                             |
| UL AWM Style                    | 20549                                                                                |
| Number of positions             | 3                                                                                    |
| Shielded                        | no                                                                                   |
| Cable type                      | PUR halogen-free black [PUR]                                                         |
| Conductor structure signal line | 28x 0.15 mm                                                                          |
| AWG signal line                 | 20                                                                                   |
| Conductor cross section         | 3x 0.5 mm²                                                                           |
| Wire diameter incl. insulation  | 1.5 mm ±0.05 mm (Signal line)                                                        |

# SAC-3P-M12MR/0,3-PUR/A-1L-Z - Sensor/actuator cable



1439337

<https://www.phoenixcontact.com/us/products/1439337>

|                                               |                                                              |
|-----------------------------------------------|--------------------------------------------------------------|
| External cable diameter                       | 4.50 mm ±0.2 mm                                              |
| Outer sheath, material                        | PUR                                                          |
| External sheath, color                        | black-gray RAL 7021                                          |
| Conductor material                            | Bare Cu litz wires                                           |
| Material wire insulation                      | PP                                                           |
| Single wire, color                            | black 1, black 2, green/yellow                               |
| Overall twist                                 | 3 wires, twisted                                             |
| Max. conductor resistance                     | 39 Ω/km (at 20 °C)                                           |
| Insulation resistance                         | min. 20 MΩ*km                                                |
| Nominal voltage, cable                        | ≤ 300 V                                                      |
| Test voltage                                  | ≥ 1200 V                                                     |
| Minimum bending radius, fixed installation    | 5 x D                                                        |
| Minimum bending radius, flexible installation | 10 x D                                                       |
| Smallest bending radius, fixed installation   | 22.5 mm                                                      |
| Smallest bending radius, movable installation | 45 mm                                                        |
| Max. bending cycles                           | 15000000                                                     |
| Halogen-free                                  | in accordance with DIN VDE 0472 part 815                     |
| Flame resistance                              | according to DIN VDE 0482                                    |
|                                               | According to DIN EN 50265-2-1                                |
| Resistance to oil                             | in accordance with DIN EN 60811-2-1                          |
| Other resistance                              | largely oil-resistant                                        |
|                                               | partly UV-resistant (in accordance with DIN EN ISO 4892-2-A) |
| Ambient temperature (operation)               | -40 °C ... 80 °C (cable, fixed installation)                 |
|                                               | -20 °C ... 80 °C (Cable, flexible installation)              |

# SAC-3P-M12MR/0,3-PUR/A-1L-Z - Sensor/actuator cable



1439337  
<https://www.phoenixcontact.com/us/products/1439337>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27060311 |
| ECLASS-13.0 | 27060312 |

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC001855 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 26121600 |
|-------------|----------|

# SAC-3P-M12MR/0,3-PUR/A-1L-Z - Sensor/actuator cable



1439337  
<https://www.phoenixcontact.com/us/products/1439337>

## Environmental product compliance

|                                         |                                                                                                                                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS                                 |                                                                                                                                                                                                                                   |
| Fulfills EU RoHS substance requirements | Yes                                                                                                                                                                                                                               |
| Exemption                               | 7(c)-I                                                                                                                                                                                                                            |
| China RoHS                              |                                                                                                                                                                                                                                   |
| Environment friendly use period (EFUP)  | EFUP-50                                                                                                                                                                                                                           |
|                                         | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |
| EU REACH SVHC                           |                                                                                                                                                                                                                                   |
| REACH candidate substance (CAS No.)     | No substance above 0.1 wt%                                                                                                                                                                                                        |

# SAC-3P-M12MR/0,3-PUR/A-1L-Z - Sensor/actuator cable



1439337

<https://www.phoenixcontact.com/us/products/1439337>

## Accessories

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

1403779

<https://www.phoenixcontact.com/us/products/1403779>

Fillister head screw with plastic knurl, M3 x 40



---

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)