

## Valve connectors - SAC-3P-MR/A-1L-Z SCO - 1458538

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Valve connectors, 3-position, Plug angled M12 SPEEDCON, A-coded, on Valve connector A, with 1 LED, connected with Z diode



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 046356 638982 |
| GTIN                                 | 4046356638982   |
| Weight per Piece (excluding packing) | 30.700 g  |
| Custom tariff number                 | 85366990  |
| Country of origin                    | Poland  |

### Technical data

#### Dimensions

|                               |         |
|-------------------------------|---------|
| Central screw valve connector | M3 x 29 |
|-------------------------------|---------|

#### Ambient conditions

|                                 |                               |
|---------------------------------|-------------------------------|
| Ambient temperature (operation) | -25 °C ... 85 °C (valve plug) |
| Degree of protection            | IP65                          |
|                                 | IP67                          |

#### General

|                       |                               |
|-----------------------|-------------------------------|
| Rated current at 40°C | 4 A                           |
| Rated voltage         | 24 V AC                       |
|                       | 24 V DC                       |
| Number of positions   | 3                             |
| Insulation resistance | ≥ 100 MΩ                      |
| Coding                | A - standard                  |
| Standards/regulations | M12 connector IEC 61076-2-101 |
|                       | Valve connector EN 175301-803 |

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## Technical data

### General

|                              |   |
|------------------------------|---|
| Status display               | Yellow LED                              |
| Protective circuit/component | Z diode                                 |
| Pulse power $W_{max}$        | 40 W (at 100 $\mu$ s square-wave pulse) |
| Terminal voltage             | 70 V (at 2 mA constant current)         |
| Reverse voltage              | 50 V                                    |
| Overvoltage category         | II                                      |
| Degree of pollution          | 3                                       |
| Connection method            | M12 connector                           |
| Insertion/withdrawal cycles  | 50 (Valve connector)                    |
|                              | $\geq 100$ (M12 connector)              |
| Torque                       | 0.6 Nm (Valve connector)                |

### Material

|  |                              |
|--|------------------------------|
| Flammability rating according to UL 94 | HB                           |
| Contact material                       | CuSn                         |
| Contact surface material               | Ni/Au                        |
| Contact carrier material               | PA66                         |
| Valve plug contact material            | CuSn                         |
| Valve plug contact surface material    | Sn                           |
| Valve plug contact insert material     | PA 6.6                       |
| Material housing valve plug            | TPU                          |
| Material, knurls                       | Zinc die-cast, nickel-plated |
| Sealing material                       | TPU (Seal molded)            |

### Standards and Regulations

|  |                               |
|--|-------------------------------|
| Standards/specifications               | M12 connector IEC 61076-2-101 |
|  | Valve connector EN 175301-803 |
| Flammability rating according to UL 94 | HB                            |

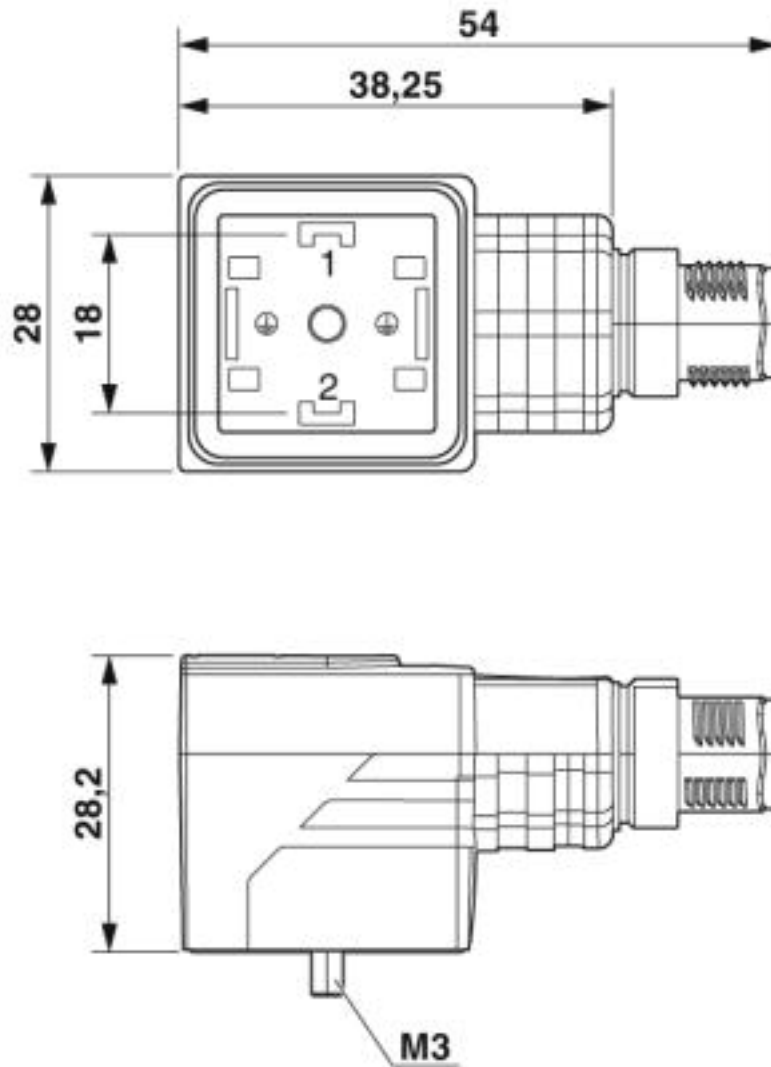
### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

## Drawings

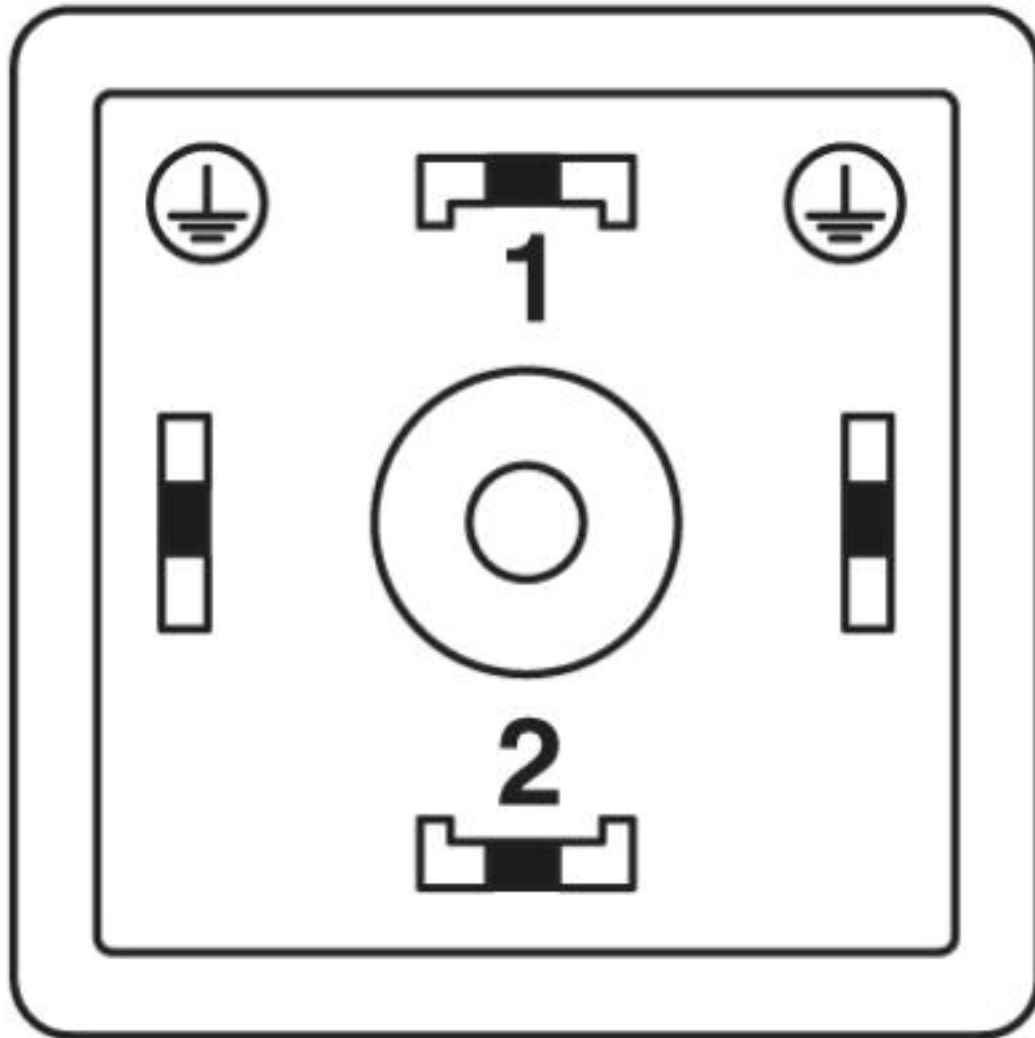
## Valve connectors - SAC-3P-MR/A-1L-Z SCO - 1458538

Dimensional drawing



## Valve connectors - SAC-3P-MR/A-1L-Z SCO - 1458538

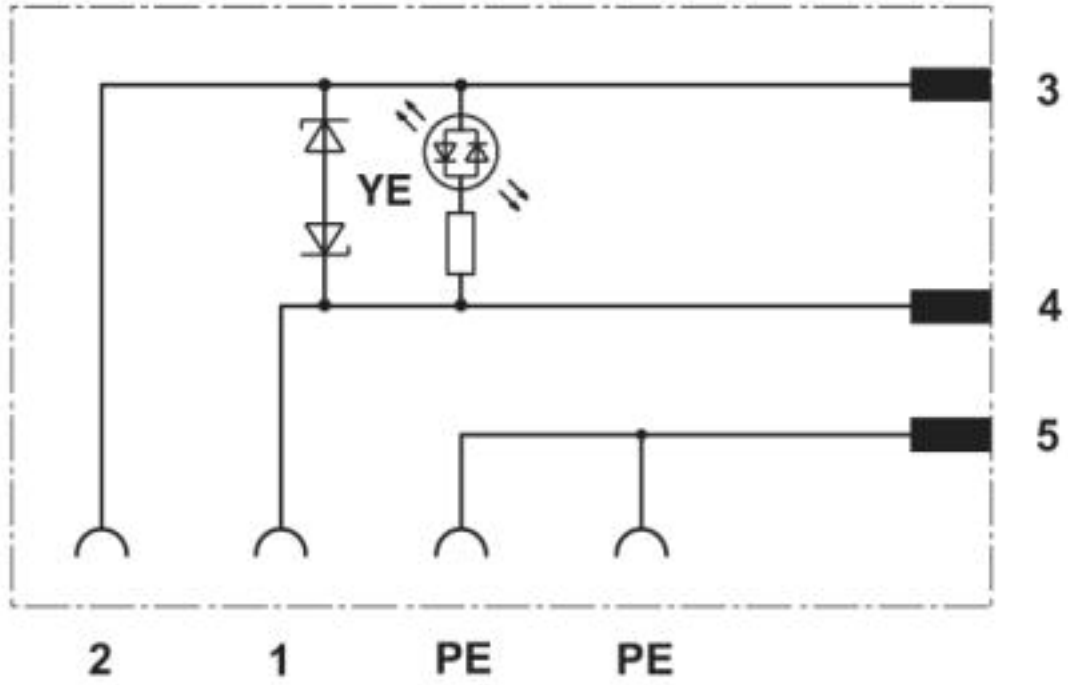
Schematic diagram



Valve connector pin assignment, type A

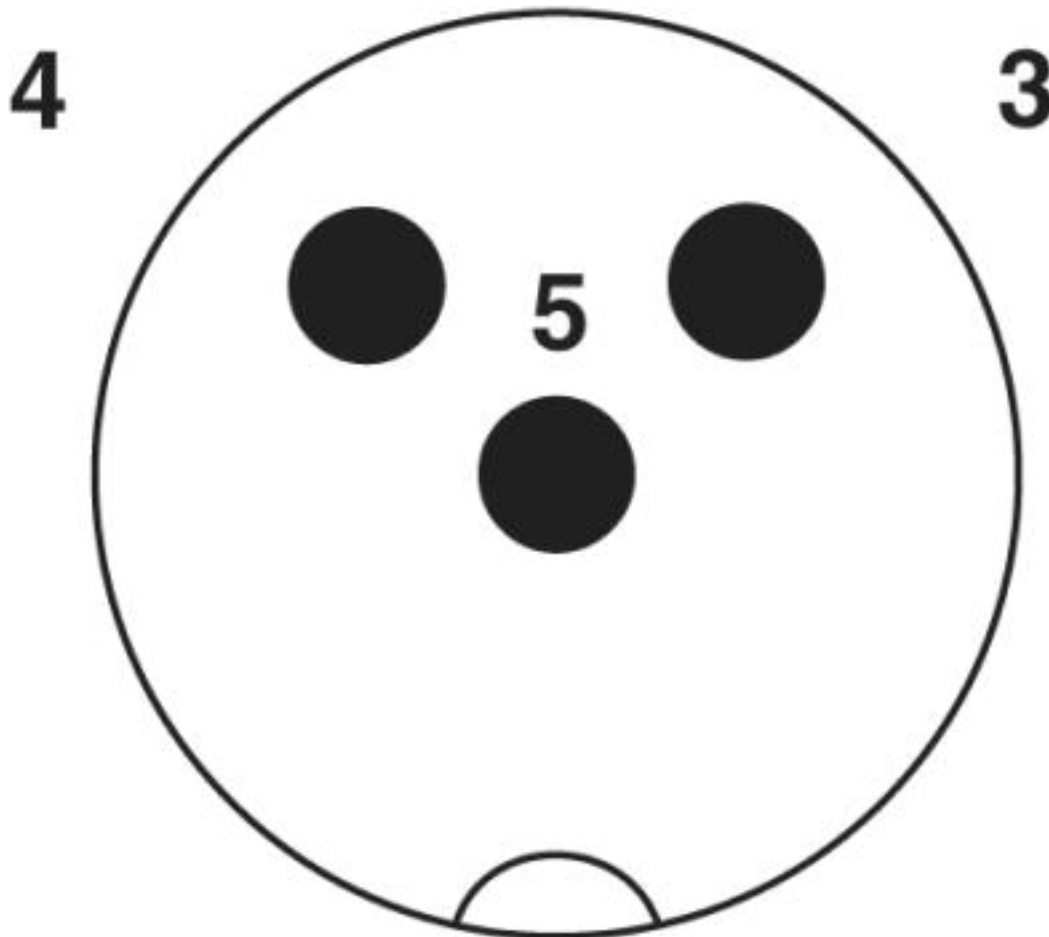
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Circuit diagram



# Valve connectors - SAC-3P-MR/A-1L-Z SCO - 1458538

Schematic diagram



Pin assignment M12 plug, 3-pos., A-coded, view male side

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27140800 |
| eCl@ss 4.1 | 27140800 |
| eCl@ss 5.0 | 27143400 |
| eCl@ss 5.1 | 27143400 |
| eCl@ss 6.0 | 27279200 |
| eCl@ss 7.0 | 27440104 |
| eCl@ss 8.0 | 27440104 |
| eCl@ss 9.0 | 27440105 |

### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002062 |
| ETIM 5.0 | EC002062 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 6.0 | EC002925 |
| ETIM 7.0 | EC002925 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31251501 |
| UNSPSC 7.0901 | 31251501 |
| UNSPSC 11     | 31251501 |
| UNSPSC 12.01  | 31251501 |
| UNSPSC 13.2   | 32151909 |
| UNSPSC 19.0   | 31251501 |
| UNSPSC 20.0   | 31251501 |
| UNSPSC 21.0   | 31251501 |

## Approvals

### Approvals

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Approvals

DNV GL / EAC / EAC

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Ex Approvals

### Approval details

|        |  |   |            |
|--------|--|---|------------|
| DNV GL |  | <a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a> | TAE00002K4 |
|--------|--|---|------------|

|     |  |  |                          |
|-----|--|--|--------------------------|
| EAC |  |  | RU C-<br>DE.AI30.B.01102 |
|-----|--|--|--------------------------|

|     |  |  |                          |
|-----|--|--|--------------------------|
| EAC |  |  | RU C-<br>DE.BL08.B.00511 |
|-----|--|--|--------------------------|

## Accessories

Accessories

Screwdriver tools

## Valve connectors - SAC-3P-MR/A-1L-Z SCO - 1458538

### Accessories

Screw insert - SF-BIT-PH 1-70 - 1212582



Screw bit, PH crosshead, E6.3-1/4" drive, size: PH 1 x 70 mm, hardened, suitable for holder according to DIN 3126-F6.3/ISO 1173

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### Sensor/actuator cable

Connecting cable - SAC-3P-FS SCO V/.../... - 1406702



Connecting cable, 3-position, Variable cable type, free cable end, on Socket straight M12 SPEEDCON, A-coded, cable length: Free input (0.2 ... 40.0 m), For valve plug adapters

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Sensor/actuator cable - SAC-3P-M12MS/3,0-PUR/M12FS 345 - 1402560



Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12, A-coded, on Socket straight M12, A-coded, cable length: 3 m, For valve connector

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Sensor/actuator cable - SAC-3P-M12MS/5,0-PUR/M12FS 345 - 1402561



Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12, A-coded, on Socket straight M12, A-coded, cable length: 5 m, For valve connector

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Sensor/actuator cable - SAC-3P-M12MS/10,0-PUR/M12FS 345 - 1402562



Sensor/actuator cable, 3-position, PUR halogen-free, black-gray RAL 7021, Plug straight M12, A-coded, on Socket straight M12, A-coded, cable length: 10 m, For valve connector

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### Torque tool



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### Accessories

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

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