

# SAC-3P-MR/BI SCO - Valve connector



1409337

<https://www.phoenixcontact.com/us/products/1409337>

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Valve connector, 3-position, Plug angled M12, coding: A, on Valve connector BI (11 mm)

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 1409337                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 25 pc                          |
| Note                                 | Made to order (non-returnable) |
| Product key                          | AF1GDA                         |
| GTIN                                 | 4055626070193                  |
| Weight per piece (including packing) | 25.6 g                         |
| Weight per piece (excluding packing) | 25.6 g                         |
| Country of origin                    | PL                             |

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## Technical data

### Product properties

|                      |                         |
|----------------------|-------------------------|
| Product type         | Valve connector adapter |
| Number of positions  | 3                       |
| No. of cable outlets | 1                       |
| Coding               | A                       |

### Insulation characteristics

|                      |    |
|----------------------|----|
| Overvoltage category | II |
| Degree of pollution  | 3  |

### Connection data

|                   |                          |
|-------------------|--------------------------|
| Connection method | M12 connector            |
| Tightening torque | 0.6 Nm (Valve connector) |

### Electrical properties

|                       |                            |
|-----------------------|----------------------------|
| Insulation resistance | $\geq 100 \text{ M}\Omega$ |
| Nominal voltage $U_N$ | 24 V AC                    |
|                       | 24 V DC                    |
| Nominal current $I_N$ | 4 A                        |
| Protective circuit    | unwired                    |

### Mechanical properties

#### Mechanical data

|                             |            |
|-----------------------------|------------|
| Insertion/withdrawal cycles | $\geq 100$ |
|-----------------------------|------------|

### Material specifications

|                                        |                              |
|----------------------------------------|------------------------------|
| Flammability rating according to UL 94 | HB                           |
| Seal material                          | TPU                          |
| Material housing valve plug            | TPU                          |
| Contact material                       | CuSn                         |
| Contact surface material               | Ni/Au                        |
| Contact carrier material               | PA 66                        |
| Contact material                       | CuSn                         |
| Valve plug contact insert material     | PA 6.6                       |
| Contact surface material               | Sn                           |
| Material for screw connection          | Zinc die-cast, nickel-plated |

### Signaling

|                        |    |
|------------------------|----|
| Status display present | no |
|------------------------|----|

### Connector

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## Connection 1

|                     |                 |
|---------------------|-----------------|
| Type                | Plug angled M12 |
| Number of positions | 3               |
| Coding type         | A               |

## Connection 2

|                     |                            |
|---------------------|----------------------------|
| Type                | Valve connector BI (11 mm) |
| Number of positions | 3                          |
| Material            | CuSn (Contact)             |
|                     | Sn (Contact surface)       |
|                     | PA 6.6 (Contact carrier)   |
|                     | TPU (Housing)              |

## Environmental and real-life conditions

### Ambient conditions

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

## Standards and regulations

### M12

|                          |                 |
|--------------------------|-----------------|
| Standard designation     | M12 connector   |
| Standards/specifications | IEC 61076-2-101 |

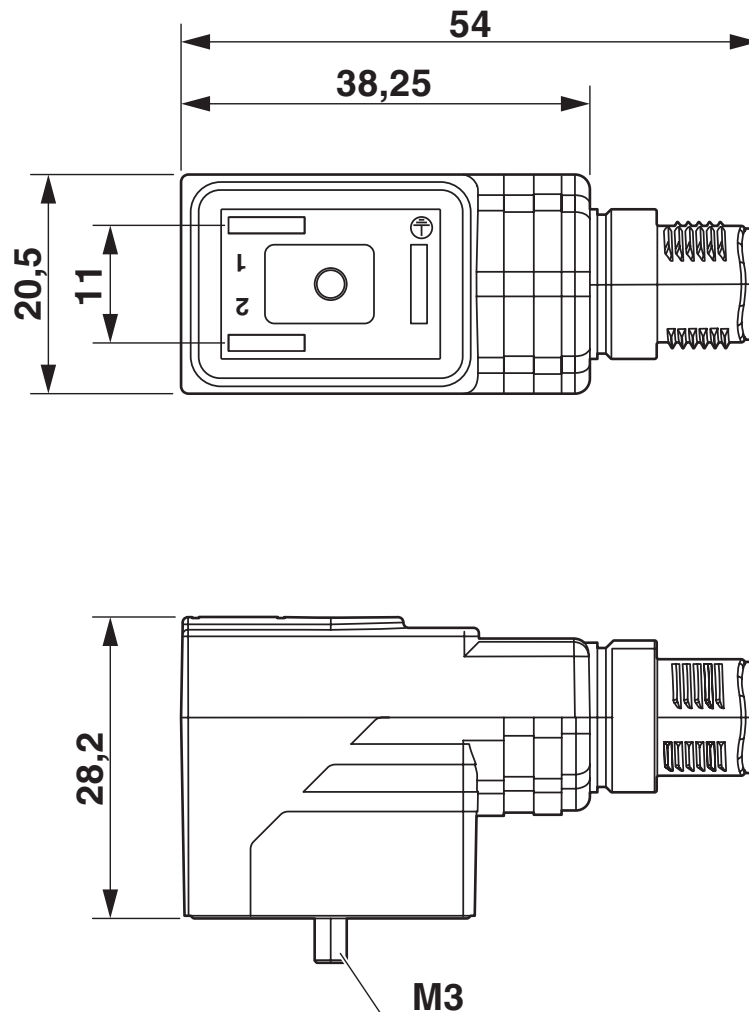
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## Drawings

Dimensional drawing

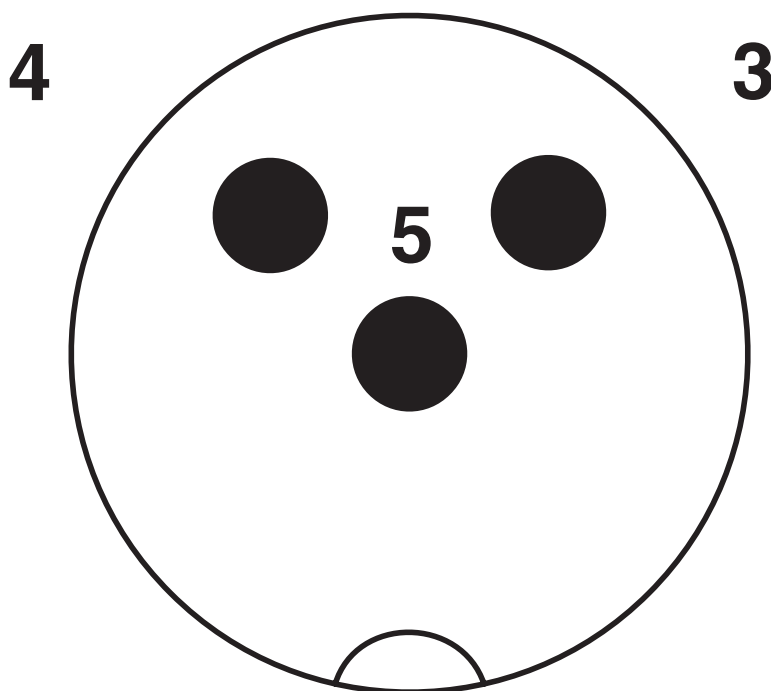


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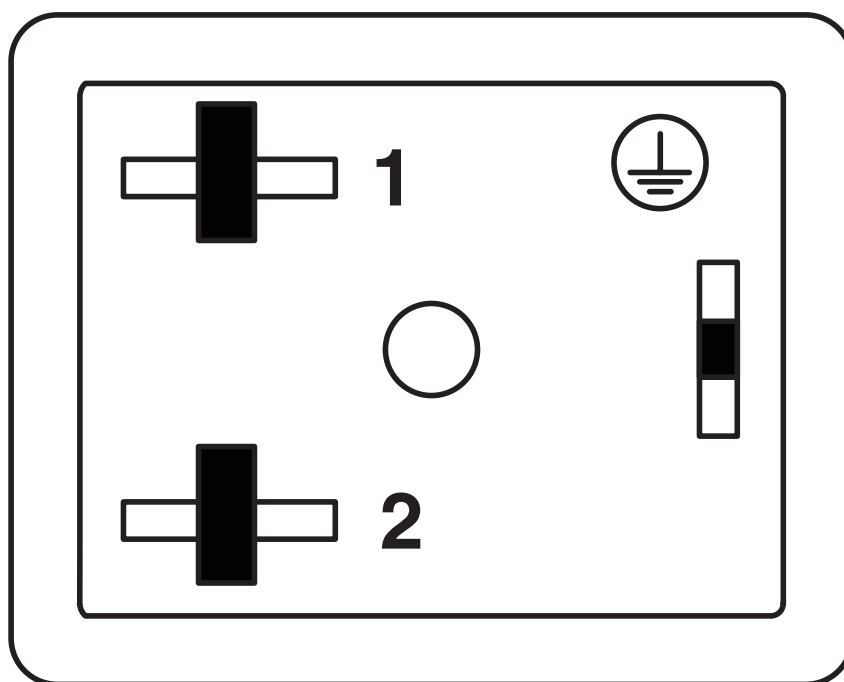
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Schematic diagram



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

Schematic diagram



Valve connector pin assignment, type BI

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440105 |
| ECLASS-15.0 | 27440105 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC003623 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 31251500 |
|-------------|----------|

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## Environmental product compliance

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| EU RoHS                                 |                                          |
| Fulfills EU RoHS substance requirements | Yes, No exemptions                       |
| China RoHS                              |                                          |
| Environment friendly use period (EFUP)  | EFUP-E                                   |
|                                         | No hazardous substances above the limits |
| EU REACH SVHC                           |                                          |
| REACH candidate substance (CAS No.)     | No substance above 0.1 wt%               |

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