

# SACC-VB-3CON-M16/BI-1L-SV 110V - Valve connectors



1452246

<https://www.phoenixcontact.com/us/products/1452246>

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Valve connectors, Universal, 3-position, Valve connector BI (11 mm), Screw connection, cable gland M16, external cable diameter 6 mm ... 8 mm

## Commercial data

|                                      |                    |
|--------------------------------------|--------------------|
| Item number                          | 1452246            |
| Packing unit                         | 1 pc               |
| Minimum order quantity               | 1 pc               |
| Sales key                            | BF36               |
| Product key                          | BF2DCA             |
| Catalog page                         | Page 30 (C-2-2019) |
| GTIN                                 | 4046356536417      |
| Weight per piece (including packing) | 26.8 g             |
| Weight per piece (excluding packing) | 24.5 g             |
| Customs tariff number                | 85366990           |
| Country of origin                    | HU                 |



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## Technical data

### Notes

#### General

**NOTE:** Observe the permissible bending radii when laying conductors, since the degree of protection may be put in jeopardy if the bending forces are too high. Alleviate mechanical loads upstream of the connector, e.g. by using cable ties.

### Mounting

#### Connection method

Screw connection

### Product properties

#### Product type

Valve connectors

#### Sensor type

Universal

#### Number of positions

3

#### No. of cable outlets

1

#### Shielded

no

#### Pg screw connection

M16

### Insulation characteristics

#### Overvoltage category

II

#### Degree of pollution

3

### Material specifications

#### Flammability rating according to UL 94

HB

#### Seal material

NBR

#### Material housing valve plug

PA

#### Contact material

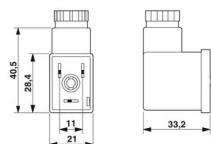
CuZn

#### Contact surface material

CuSn

### Dimensions

#### Dimensional drawing



#### Width

21 mm

#### Height

33.2 mm

#### Length

40.5 mm

### External dimensions

#### Outside diameter

6 mm ... 8 mm

### Electrical properties

#### Contact resistance

$\leq 4 \text{ m}\Omega$



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|                       |                            |
|-----------------------|----------------------------|
| Insulation resistance | > 2 GΩ                     |
| Nominal voltage $U_N$ | 110 V AC                   |
|                       | 110 V DC                   |
| Nominal current $I_N$ | 1.5 A                      |
| Protective circuit    | Surge protection; Varistor |

## Valve connector characteristics

|               |           |
|---------------|-----------|
| Fixing screws | M3 x 33,5 |
|---------------|-----------|

## Mechanical properties

### Mechanical data

|                             |                      |
|-----------------------------|----------------------|
| Insertion/withdrawal cycles | 50 (Valve connector) |
|-----------------------------|----------------------|

## Signaling

|                        |            |
|------------------------|------------|
| Status display         | Yellow LED |
| Status display present | Yes        |

## Connection data

|                              |  |
|------------------------------|--|
| Connection method            | Screw connection                             |
| Conductor cross section      | 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Connection cross section AWG | 24 ... 16                                    |
| Tightening torque            | 1.8 Nm ±0.2 Nm (Pressure screw)              |
|                              | 0.4 Nm ±0.1 Nm (Central screw)               |
|                              | 0.2 Nm ±0.1 Nm (Contact screw)               |

## Connector

### Connection 1

|                  |                 |
|------------------|-----------------|
| Head design      | Valve connector |
| Head thread type | BI (11 mm)      |

## Environmental and real-life conditions

### Ambient conditions

|                                 |                               |
|---------------------------------|-------------------------------|
| Degree of protection            | IP65                          |
| Ambient temperature (operation) | -25 °C ... 60 °C (valve plug) |



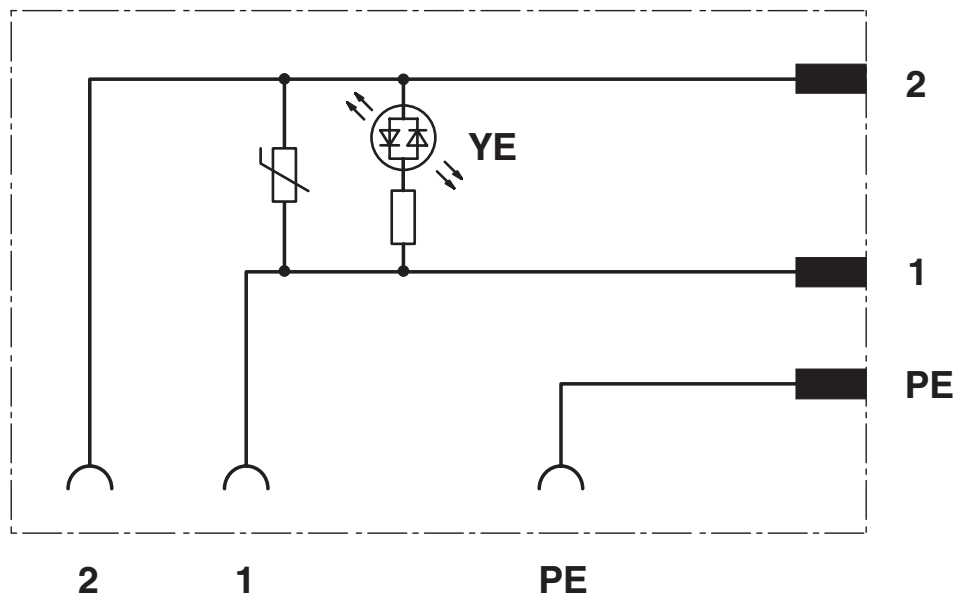
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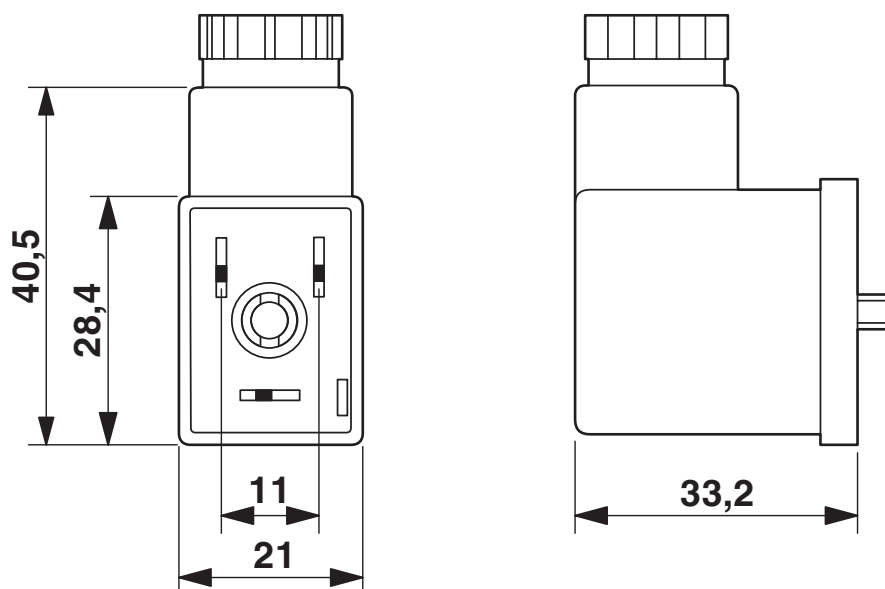
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## Drawings

Circuit diagram



Dimensional drawing





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## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1452246>



**EAC**

Approval ID: RU C-DE.AI30.B.01102



**EAC**

Approval ID: RU C-DE.BL08.B.00511



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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27440105 |
| ECLASS-12.0 | 27440105 |
| ECLASS-13.0 | 27440105 |

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC003623 |
|----------|----------|

### UNSPSC

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



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## Environmental product compliance

|            |  |
|------------|--|
| REACH SVHC | Lead 7439-92-1   |
| China RoHS | Environmentally Friendly Use Period = 50 years   |
|            | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |



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## Accessories

### SAC-3P-100,0-PUR/0,5 - Cable reel

1457393

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By the meter, Cable reel, PUR halogen-free, black-gray RAL 7021, 3-wire, color single wire: black 1, black 2, green/yellow, cable length: 100 m

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