

# SACC-VB-3CON-M20/A-GVL 110V - Valve connectors



1452181

<https://www.phoenixcontact.com/us/products/1452181>

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Valve connectors, Universal, 3-position, Valve connector A, Screw connection, cable gland M16, external cable diameter 6 mm ... 8 mm

## Commercial data

Item number	1452181
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	BF36
Product key	BF2DAA
Catalog page	Page 29 (C-2-2019)
GTIN	4046356536356
Weight per piece (including packing)	34.1 g
Weight per piece (excluding packing)	31.1 g
Customs tariff number	85366990
Country of origin	HU

## 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

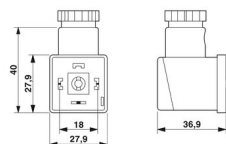
CuZn

#### Contact surface material

CuSn

### Dimensions

#### Dimensional drawing



#### Width

27.9 mm

#### Height

36.9 mm

#### Length

40 mm

### External dimensions

#### Outside diameter

6 mm ... 8 mm

### Electrical properties

#### Contact resistance

≤ 4 mΩ

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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 and rectifier

## Valve connector characteristics

Fixing screws	M3 x 37,5
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## Mechanical properties

### Mechanical data

Insertion/withdrawal cycles	50 (Valve connector)
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## 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	A

## Environmental and real-life conditions

### Ambient conditions

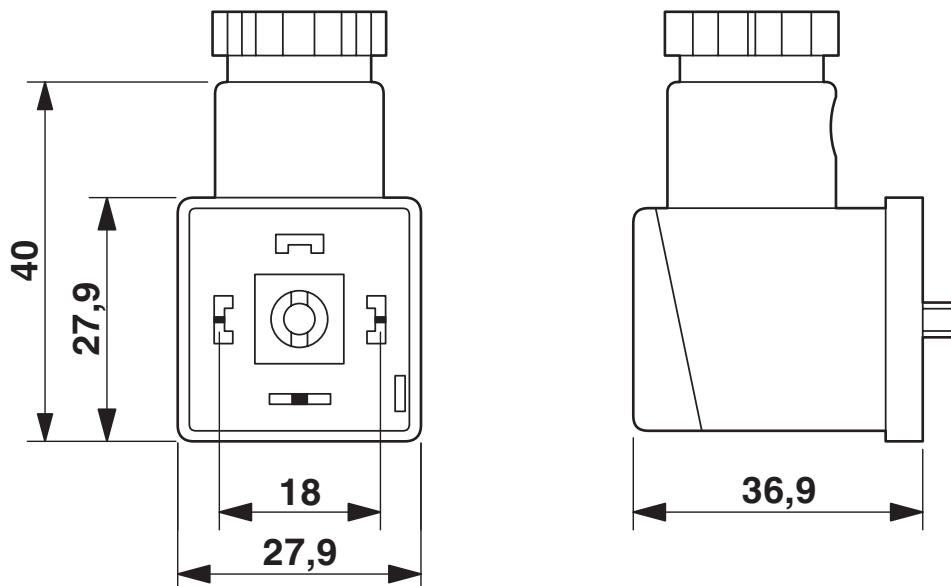
Degree of protection	IP65
Ambient temperature (operation)	-25 °C ... 60 °C (valve plug)

## Standards and regulations

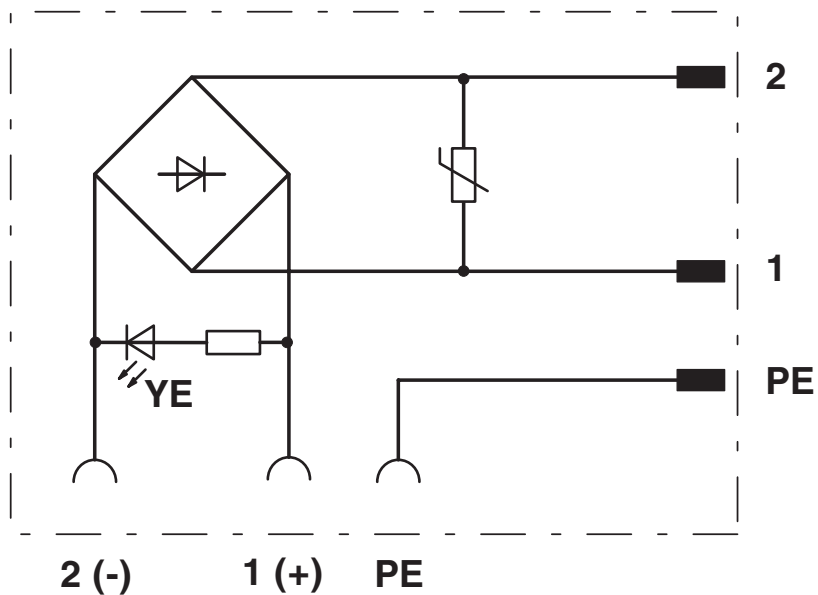
Standard designation	Valve connector
Standards/specifications	EN 175301-803

## Drawings

Dimensional drawing



Circuit diagram



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## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1452181>



**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
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### UNSPSC

UNSPSC 21.0	31251500
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 25;
	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

<https://www.phoenixcontact.com/us/products/1457393>



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