

# VC-K-T1-Z - Sleeve housing

1852930

<https://www.phoenixcontact.com/us/products/1852930>



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Sleeve housing, Range of articles: VARIOCON, design: VC1, housing material: Polyamide, color: gray, When using fiber optics, the bending radii of the cable manufacturers must be observed.

## Commercial data

Item number	1852930
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	AB01
Product key	ABLAAA
Catalog page	Page 35 (C-2-2013)
GTIN	4017918133917
Weight per piece (including packing)	47.08 g
Weight per piece (excluding packing)	46.24 g
Customs tariff number	85389099
Country of origin	PL

## Technical data

### Notes

General	When using fiber optics, the bending radii of the cable manufacturers must be observed.
Safety note	<p><b>WARNING:</b> The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.</p> <ul style="list-style-type: none"><li>• <b>WARNING:</b> Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.</li><li>• <b>WARNING:</b> Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.</li><li>• The products are suitable for applications in plant, controller, and electrical device engineering.</li><li>• When operating the connectors in outdoor applications, they must be separately protected against environmental influences.</li><li>• Assembled products may not be manipulated or improperly opened.</li><li>• Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a>).</li><li>• When using the product in direct connection with third-party manufacturers, the user is responsible.</li><li>• For operating voltages &gt; 50 V AC, conductive connector housings must be grounded</li><li>• Ensure that the protective or functional ground has been properly connected.</li><li>• VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector</li><li>• Observe the corresponding technical data. You will find information:<ul style="list-style-type: none"><li>◦ On the product</li><li>◦ On the packing label</li><li>◦ In the supplied documentation</li><li>◦ Online at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a> under the product</li></ul></li><li>• Only use tools recommended by Phoenix Contact</li><li>• The installation notes/Design In documents online on the download page at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a> must be observed for this product.</li><li>• Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a></li><li>• Operate the connector only when it is fully plugged in.</li></ul>
Safety note	

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- Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.
- Observe the minimum bending radius of the cable. Lay the cable without twisting it.
- The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).

## Product properties

Product type	Sleeve housings
Product family	VARIOCON
Type	VC1
No. of cable outlets	1
Type of the screw connection	Pg16
Fixing screws	M4
Shielded	no
Cable outlet	angled

## Connection data

Tightening torque	1.2 ... 1.8 Nm
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## Dimensions

Dimensional drawing	
Width	33 mm
Height	71 mm
Length	66 mm
Thread type on seal side	Pg16

## Material specifications

Color	gray
Color of the housing part	gray
Material	Polyamide
Flammability rating according to UL 94	V0
Seal material	EPDM
	NBR
Housing material	Polyamide
O-ring material	NBR
Material of locking screw	Stainless steel

## Mechanical properties

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## Mechanical data

Type of the screw connection	Pg16
Locking type	Screw

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67 (DIN IEC 60529)
	IP67
Ambient temperature (operation)	-40 °C ... 80 °C

## Mounting

Fixing screws	M4
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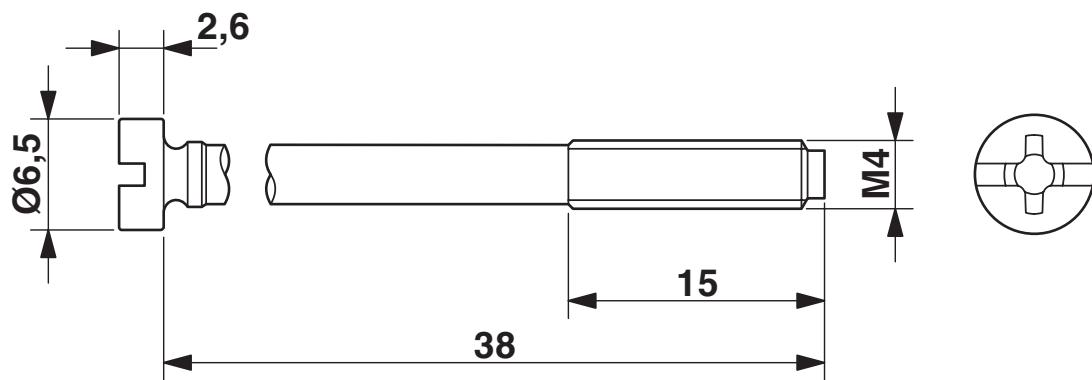
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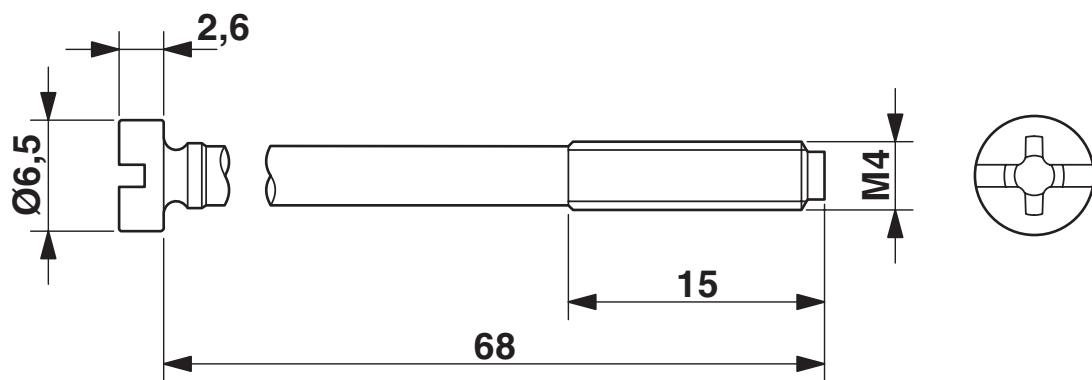


## Drawings

Dimensional drawing



Dimensional drawing



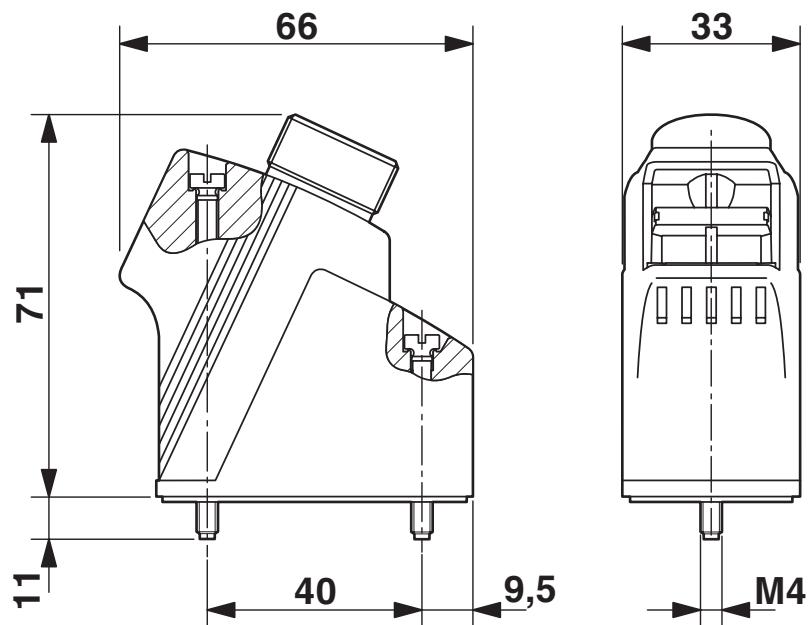
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Dimensional drawing



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## Classifications

### ECLASS

ECLASS-11.0	27440202
ECLASS-12.0	27440202
ECLASS-13.0	27440202

### ETIM

ETIM 9.0	EC000437
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### UNSPSC

UNSPSC 21.0	31261500
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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## Accessories

### VC-BZS WH - Marking label

1852875

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Marker labels, unprinted, 5-section, for individual labeling with M-PEN or CMS system, white



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### VC-K-KV-PG16( 4- 6,5) - Cable gland

1854459

<https://www.phoenixcontact.com/us/products/1854459>

Half screw connection Pg16, made of plastic, consisting of rubber seal with one hole and one pressure screw, for type 1 housings, cable [mm] 4 - 6.5



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### VC-K-KV-PG16( 5- 8) - Cable gland

1853735

<https://www.phoenixcontact.com/us/products/1853735>

Pg16 half screw connection, plastic, comprising rubber seal with one hole and a pressure screw, for type 1 housing, cable: 5 - 8 [mm]



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### VC-K-KV-PG16( 6,5- 9,5) - Cable gland

1853748

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Pg16 half screw connection, plastic, comprising rubber seal with one hole and a pressure screw, for type 1 housing, cable: 6.5 - 9.5 [mm]



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## VC-K-KV-PG16( 7-10,5) - Cable gland

1853751

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Pg16 half screw connection, plastic, comprising rubber seal with one hole and a pressure screw, for type 1 housing, cable: 7 - 10.5 [mm]



## VC-K-KV-PG16( 9-13) - Cable gland

1853764

<https://www.phoenixcontact.com/us/products/1853764>

Half screw connection Pg16, made of plastic, consisting of rubber seal with one hole and one pressure screw, for type 1 housings, cable [mm] 9 - 13



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### VC-K-KV-PG16(11,5-15,5) - Cable gland

1854844

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Half screw connection Pg16, made of plastic, consisting of rubber seal with one hole and one pressure screw, for type 1 housings, cable [mm] 11.5 - 15.5

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### VC-K-KV-PG16 7/14 - Cable gland

1607664

<https://www.phoenixcontact.com/us/products/1607664>

Half screw connection Pg16, made of plastic, consisting of rubber seal with one hole and one pressure screw, for type 1 housings, cable [mm] 7 - 14



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### VC-K-KV-PG16 1X3/1X8 - Cable gland

1885376

<https://www.phoenixcontact.com/us/products/1885376>



Half screw connection Pg16, made of plastic, consisting of rubber seal with several holes (1 x 3 mm/1 x 8 mm) and a pressure screw, for cable screw connection support VC-M-KV-PG16....

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### VC-K-KV-PG16 1X3/1X9 - Cable gland

1885389

<https://www.phoenixcontact.com/us/products/1885389>



Half screw connection Pg16, made of plastic, consisting of rubber seal with several holes (1 x 6 mm/1 x 9 mm) and a pressure screw, for cable screw connection support VC-M-KV-PG16....

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## VC-K-KV-PG16 1X6/1X8 - Cable gland

1885392

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Half screw connection Pg16, made of plastic, consisting of rubber seal with several holes (1 x 6 mm/1 x 8 mm) and a pressure screw, for cable screw connection support VC-M-KV-PG16....

## VC-K-KV-PG16 1X5/1X9 - Cable gland

1885402

<https://www.phoenixcontact.com/us/products/1885402>



Half screw connection Pg16, made of plastic, consisting of rubber seal with several holes (1 x 5 mm/1 x 9 mm) and a pressure screw, for cable screw connection support VC-M-KV-PG16....

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### VC-K-KV-PG16 1X3/2X8 - Cable gland

1885415

<https://www.phoenixcontact.com/us/products/1885415>



Half screw connection Pg16, made of plastic, consisting of rubber seal with several holes (1 x 3 mm/2 x 8 mm) and a pressure screw, for cable screw connection support VC-M-KV-PG16....

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### VC-K-KV-PG16 1X5/2X6 - Cable gland

1885428

<https://www.phoenixcontact.com/us/products/1885428>



Half screw connection Pg16, made of plastic, consisting of rubber seal with several holes (1 x 5 mm/2 x 6 mm) and a pressure screw, for cable screw connection thread VC-M-KV-PG16....

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## VC-K-KV-PG16 2X6/1X7 - Cable gland

1885431

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Half screw connection Pg16, made of plastic, consisting of rubber seal with several holes (2 x 6 mm/1 x 7 mm) and a pressure screw, for cable screw connection thread VC-M-KV-PG16....

## VC-SCHR.ZYL-B-M4X38X15-Z2L-V4A - Connector component

1628354

<https://www.phoenixcontact.com/us/products/1628354>



M4x38x15 mm cylinder screw as replacement for VC sleeve housing

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VC-SCHR.ZYL-B-M4X68X15-Z2L-V4A - Connector component

1628355

<https://www.phoenixcontact.com/us/products/1628355>

M4x68x15 mm cylinder screw as replacement for VC sleeve housing



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VC-O-RING 3X1,5 NBR-NT70:100 - Connector component

1628356

<https://www.phoenixcontact.com/us/products/1628356>

O-ring as replacement for VC sleeve housing



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### VC-K-KV-PG16 3X7 - Cable gland

1885444

<https://www.phoenixcontact.com/us/products/1885444>



Half screw connection Pg16, made of plastic, consisting of rubber seal with several holes (3 x 7 mm) and one pressure screw, for cable screw connection support VC-M-KV-PG16....

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### VC-SD1 - Protective cover

1853670

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Protective cover, Range of articles: VARIOCON, design: VC1, housing material: PA 6, color: gray

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## VC-SD-T1 - Protective cover

1886728

<https://www.phoenixcontact.com/us/products/1886728>

Protective cover, design: VC1, housing material: PA 6, color: gray



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