1607202

https://www.phoenixcontact.com/us/products/1607202

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Contact insert set, Range of articles: VARIOCON, design: VC2, housing material: PA, number of positions: 18, rated voltage: 250, rated current: 10 A, Contact connection type: Socket

### Commercial data

Item number	1607202
Packing unit	5 pc
Minimum order quantity	5 pc
Sales key	AB01
Product key	ABLADA
Catalog page	Page 32 (C-2-2013)
GTIN	4017918940966
Weight per piece (including packing)	35.61 g
Weight per piece (excluding packing)	35.61 g
Customs tariff number	85366990
Country of origin	PL

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## **PHŒNIX** CONTACT

## Technical data

#### Notes

Safety note	
Safety note	WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.
	<ul> <li>WARNING: Commission properly functioning products only.</li> <li>The products must be regularly inspected for damage.</li> <li>Decommission defective products immediately. Replace</li> <li>damaged products. Repairs are not possible.</li> </ul>
	• WARNING: 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.
	<ul> <li>The products are suitable for applications in plant, controller, and electrical device engineering.</li> </ul>
	<ul> <li>When operating the connectors in outdoor applications, they must be separately protected against environmental influences.</li> </ul>
	<ul> <li>Assembled products may not be manipulated or improperly opened.</li> </ul>
	<ul> <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 phoenixcontact.com/products).</li> </ul>
	<ul> <li>When using the product in direct connection with third-party manufacturers, the user is responsible.</li> </ul>
	<ul> <li>For operating voltages &gt; 50 V AC, conductive connector housings must be grounded</li> </ul>
	<ul> <li>Ensure that the protective or functional ground has been properly connected.</li> </ul>
	• 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
	<ul> <li>Observe the corresponding technical data. You will find information:</li> <li>o On the product</li> <li>o On the packing label</li> <li>o In the supplied documentation</li> <li>o Online at phoenixcontact.com/products under the product</li> </ul>
	Only use tools recommended by Phoenix Contact
	<ul> <li>The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.</li> </ul>
	• 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 phoenixcontact.com/products
	Operate the connector only when it is fully plugged in.
	• Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the



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standards.
<ul> <li>Observe the minimum bending radius of the cable. Lay the cable without twisting it.</li> </ul>
• 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

Туре	VC2
Product type	Contact insert
Product family	VARIOCON
Number of positions	18
Connection profile	17+PE
Number of module slots	3
Series	VC-D
Insulation characteristics	
Degree of pollution	3

#### **Electrical properties**

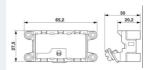
Rated voltage (II/2)	630 V
Rated voltage (III/2)	320 V
Rated voltage (III/3)	250 V
	250 V
Nominal voltage ATD	250
Rated surge voltage	4 kV
Rated surge voltage (III/3)	4 kV
Rated surge voltage	4 kV
Rated current	10 A
	10 A
	10 A
Nominal voltage U <sub>N</sub>	250 V
Nominal current I <sub>N</sub>	10 A

#### Connection data

Tightening torque	0.22 0.25 Nm
Conductor cross section flexible	0.14 mm <sup>2</sup> 0.75 mm <sup>2</sup>
Conductor cross section rigid	0.14 mm² 1.5 mm²

#### Dimensions

Dimensional drawing





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Width	65.2 mm
Height	27.5 mm
Length	41.9 mm

#### Material specifications

Color of the housing part	black
Material	Polyamide
	Polyamide
Flammability rating according to UL 94	VO
Insulating material group	I / CTI 600
Contact material	CuZn
Contact surface material	tin-plated
Contact carrier material	PA
Material for screw connection	Stainless steel
Housing material	PA
ble/line	
	7 mm

Mechanical data	
Insertion/withdrawal cycles	≥ 100

#### Environmental and real-life conditions

Ambient temperature (operation)	-40 °C 100 °C
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## Classifications

#### ECLASS

ECLASS-11.0	27440223
ECLASS-12.0	27440223
ECLASS-13.0	27440223

#### ETIM

	ETIM 9.0	EC003557	
UNSPSC			
	UNSPSC 21.0	39121400	

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## Environmental product compliance

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

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