

# VC-AR2/3M - Panel mounting frames

1852985

<https://www.phoenixcontact.com/us/products/1852985>

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Panel mounting frame, Range of articles: VARIOCON, Panel mounting frames, design: VC2, housing material: Polyamide. 2 x 1852862 VC-AF for each connector

## Commercial data

Item number	1852985
Packing unit	1 pc
Minimum order quantity	5 pc
Sales key	AB01
Product key	ABLABD
Catalog page	Page 25 (C-2-2013)
GTIN	4017918134341
Weight per piece (including packing)	12.08 g
Weight per piece (excluding packing)	12.24 g
Customs tariff number	85389099
Country of origin	PL

## Technical data

### Notes

General	2 x 1852862 VC-AF for each connector
Safety note	<p data-bbox="849 618 1449 698">WARNING: 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 data-bbox="849 716 1430 824">• WARNING: 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 data-bbox="849 842 1468 1034">• 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.</li> <li data-bbox="849 1052 1436 1106">• The products are suitable for applications in plant, controller, and electrical device engineering.</li> <li data-bbox="849 1124 1449 1178">• When operating the connectors in outdoor applications, they must be separately protected against environmental influences.</li> <li data-bbox="849 1196 1423 1249">• Assembled products may not be manipulated or improperly opened.</li> <li data-bbox="849 1267 1449 1344">• 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 data-bbox="849 1361 1430 1415">• When using the product in direct connection with third-party manufacturers, the user is responsible.</li> <li data-bbox="849 1433 1398 1487">• For operating voltages &gt; 50 V AC, conductive connector housings must be grounded</li> <li data-bbox="849 1505 1398 1559">• Ensure that the protective or functional ground has been properly connected.</li> <li data-bbox="849 1576 1461 1653">• 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 data-bbox="849 1671 1417 1832">• Observe the corresponding technical data. You will find information:             <ul style="list-style-type: none"> <li data-bbox="849 1720 1011 1747">o On the product</li> <li data-bbox="849 1751 1062 1778">o On the packing label</li> <li data-bbox="849 1783 1155 1809">o In the supplied documentation</li> <li data-bbox="849 1814 1417 1832">o Online at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a> under the product</li> </ul> </li> <li data-bbox="849 1850 1337 1877">• Only use tools recommended by Phoenix Contact</li> <li data-bbox="849 1895 1404 1971">• 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 data-bbox="849 1989 1449 2065">• 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 data-bbox="849 2083 1372 2110">• Operate the connector only when it is fully plugged in.</li> </ul>

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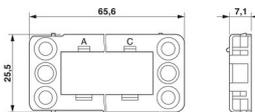
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	<ul style="list-style-type: none"><li>• Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.</li></ul>
	<ul style="list-style-type: none"><li>• Observe the minimum bending radius of the cable. Lay the cable without twisting it.</li></ul>
	<ul style="list-style-type: none"><li>• 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).</li></ul>

## Product properties

Type	VC2
Product type	Panel mounting frame
Product family	VARIOCON
Number of module slots	3
Series	VC-M

## Dimensions

Dimensional drawing	
Width	65.6 mm
Height	25.5 mm
Depth	7.1 mm
Length	17.1 mm

## Material specifications

Color of the housing part	black
Material	Polyamide
Material	PA-GF
Flammability rating according to UL 94	V0
Insulating material group	CTI 600
Material of locking screw	Stainless steel
Housing material	Polyamide

## Environmental and real-life conditions

### Ambient conditions

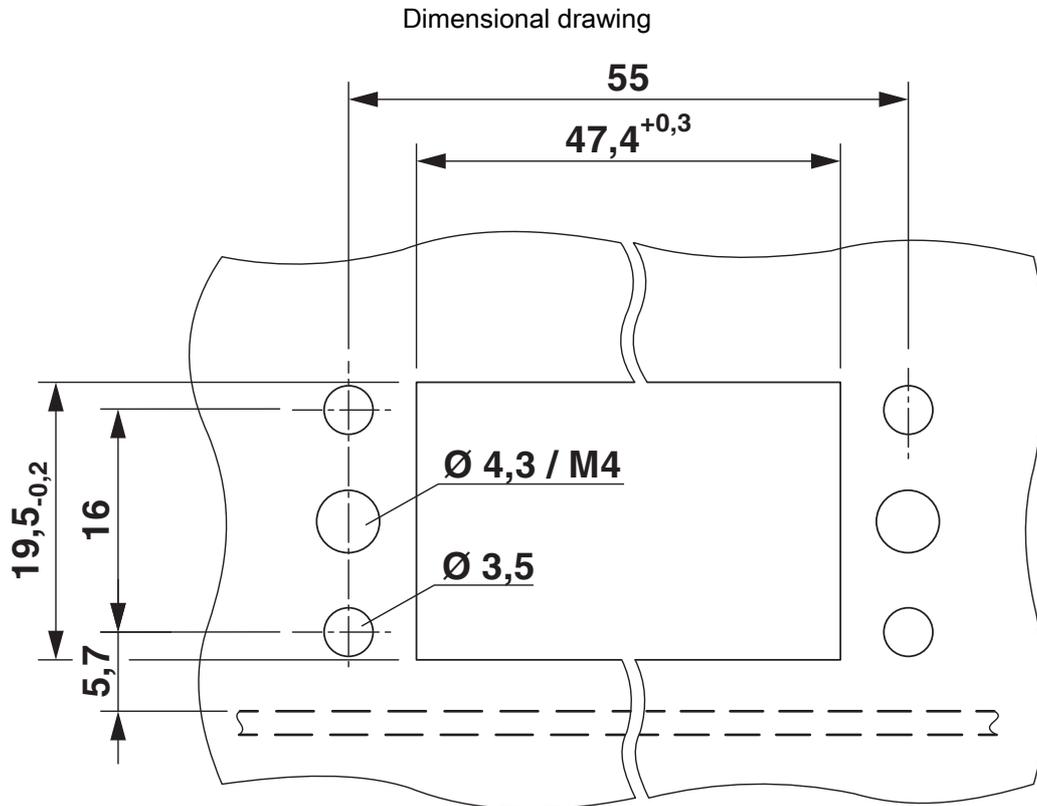
Ambient temperature (operation)	-40 °C ... 125 °C
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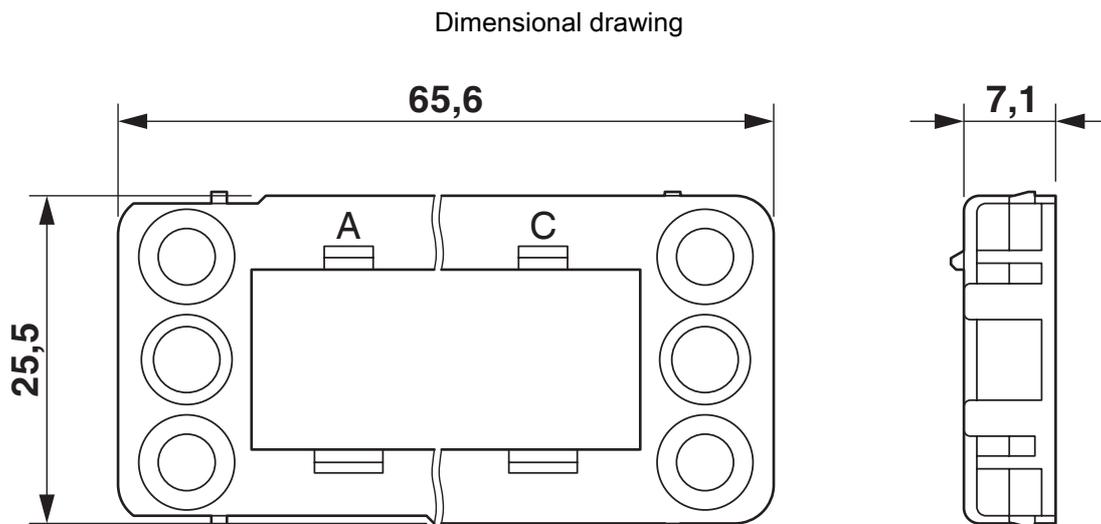
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## Drawings



a - PCB



Panel mounting frame dimensional drawing

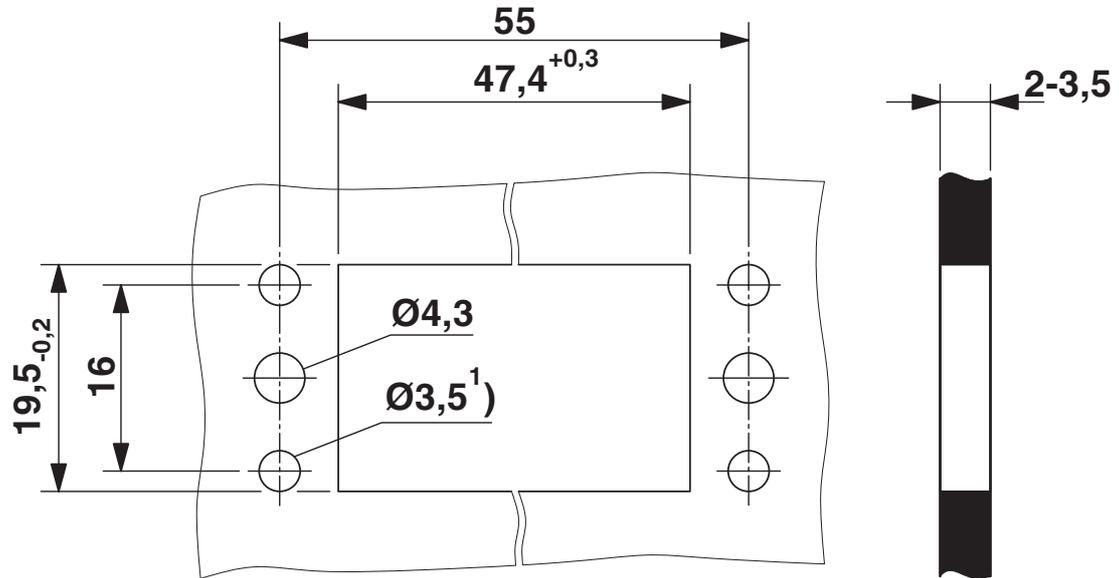
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Dimensional drawing



Housing cutout

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1852985>



**EAC**

Approval ID: B.01687

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## Classifications

### ECLASS

ECLASS-11.0	27440210
ECLASS-12.0	27440210
ECLASS-13.0	27440210

### ETIM

ETIM 8.0	EC002310
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### 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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## Accessories

### VC-AF - Panel-mount flange

1852862

<https://www.phoenixcontact.com/us/products/1852862>



Panel mounting flange for screw locking, for mounting contact insert modules, for a panel thickness of 1 - 5 mm

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### VC-SD-A2 - Protective cover

1886773

<https://www.phoenixcontact.com/us/products/1886773>



Protective cover, Protective cover, design: VC2, housing material: PA 6, color: gray

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## VC-AR2-EMV - Panel mounting frames

1853227

<https://www.phoenixcontact.com/us/products/1853227>



Shroud, Range of articles: VARIOCON, Panel mounting frames, design: VC2, housing material: Copper alloy. For painted surfaces with conductive panel cutout

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## VC-AFOS 2 - Contact insert

1885240

<https://www.phoenixcontact.com/us/products/1885240>



Contact insert module, for panel mounting frames for accommodating 2 optical fibers VC-FSMA-M ... Quick mounting connectors

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## VC-AMLV 6 - Contact insert

1884872

<https://www.phoenixcontact.com/us/products/1884872>



Contact insert, Range of articles: VARIOCON, Contact insert, housing material: Polyamide, color: light grey, number of positions: 6, rated voltage: 250, rated current: 10 A, Connection method: PCB connection, Contact connection type: Pin. Connectors may only be connected/disconnected when under no load.

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## VC-AML 6 - Contact insert

1853531

<https://www.phoenixcontact.com/us/products/1853531>



Contact insert, Range of articles: VARIOCON, Contact insert, housing material: Polyamide, color: light grey, number of positions: 6, rated voltage: 250, rated current: 10 A, Connection method: PCB connection, Contact connection type: Pin. Connectors may only be connected/disconnected when under no load.

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## VC-AMS 6 - Contact insert

1854019

<https://www.phoenixcontact.com/us/products/1854019>



Contact insert, Range of articles: VARIOCON, Contact insert, housing material: Polyamide, color: light grey, number of positions: 6, min. conductor cross section: 0.14 mm<sup>2</sup>, max. conductor cross section: 1.5 mm<sup>2</sup>, rated voltage: 250, rated current: 10 A, Connection method: Screw connection, Contact connection type: Pin. Connectors may only be connected/disconnected when under no load.

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## VC-AMS 6-PE - Contact insert

1583555

<https://www.phoenixcontact.com/us/products/1583555>



Contact insert, Range of articles: VARIOCON, Contact insert, housing material: Polyamide, color: light grey, number of positions: 6, min. conductor cross section: 0.14 mm<sup>2</sup>, max. conductor cross section: 1.5 mm<sup>2</sup>, rated voltage: 250, rated current: 10 A, Connection method: Screw connection, Contact connection type: Pin. Connectors may only be connected/disconnected when under no load.

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## VC-AMLV 8 - Contact insert

1884885

<https://www.phoenixcontact.com/us/products/1884885>



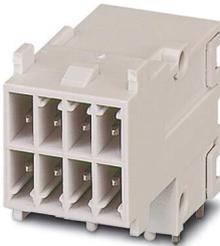
Contact insert, Range of articles: VARIOCON, Contact insert, housing material: Polyamide, color: light grey, number of positions: 8, rated voltage: 160, rated current: 10 A, Connection method: PCB connection, Contact connection type: Pin. Connectors may only be connected/disconnected when under no load.

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## VC-AML 8 - Contact insert

1852833

<https://www.phoenixcontact.com/us/products/1852833>



Contact insert, Range of articles: VARIOCON, Contact insert, housing material: Polyamide, color: light grey, number of positions: 8, rated voltage: 160, rated current: 10 A, Connection method: PCB connection, Contact connection type: Pin. Connectors may only be connected/disconnected when under no load.

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## VC-AMS 8 - Contact insert

1854022

<https://www.phoenixcontact.com/us/products/1854022>



Contact insert, Range of articles: VARIOCON, Contact insert, housing material: Polyamide, color: light grey, number of positions: 8, min. conductor cross section: 0.14 mm<sup>2</sup>, max. conductor cross section: 1.5 mm<sup>2</sup>, rated voltage: 160, rated current: 10 A, Connection method: Screw connection, Contact connection type: Pin. Connectors may only be connected/disconnected when under no load.

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## VC-AMS 8-PE - Contact insert

1583568

<https://www.phoenixcontact.com/us/products/1583568>



Contact insert, Range of articles: VARIOCON, Contact insert, housing material: Polyamide, color: light grey, number of positions: 8, min. conductor cross section: 0.14 mm<sup>2</sup>, max. conductor cross section: 1.5 mm<sup>2</sup>, rated voltage: 160, rated current: 10 A, Connection method: Screw connection, Contact connection type: Pin. Connectors may only be connected/disconnected when under no load.

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## VC-AMLV 2 - Contact insert

1884979

<https://www.phoenixcontact.com/us/products/1884979>



Contact insert, Range of articles: VARIOCON, Contact insert, housing material: Polyamide, color: light grey, number of positions: 2, rated voltage: 400, rated current: 20 A, Connection method: PCB connection, Contact connection type: Pin. Connectors may only be connected/disconnected when under no load.

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## VC-AML 2 - Contact insert

1852859

<https://www.phoenixcontact.com/us/products/1852859>



Contact insert, Range of articles: VARIOCON, Contact insert, housing material: Polyamide, color: light grey, number of positions: 2, rated voltage: 400, rated current: 20 A, Connection method: PCB connection, Contact connection type: Pin. Connectors may only be connected/disconnected when under no load.

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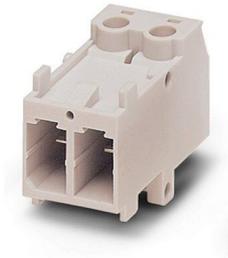
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## VC-AMS 2 - Contact insert

1853528

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Contact insert, Range of articles: VARIOCON, Contact insert, housing material: Polyamide, color: light grey, number of positions: 2, min. conductor cross section: 0.25 mm<sup>2</sup>, max. conductor cross section: 4 mm<sup>2</sup>, rated voltage: 400, rated current: 20 A, Connection method: Screw connection, Contact connection type: Pin. Connectors may only be connected/disconnected when under no load.

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## VC-AMS 2-PE - Contact insert

1583542

<https://www.phoenixcontact.com/us/products/1583542>



Contact insert, Range of articles: VARIOCON, Contact insert, housing material: Polyamide, color: light grey, number of positions: 2, min. conductor cross section: 0.25 mm<sup>2</sup>, max. conductor cross section: 4 mm<sup>2</sup>, rated voltage: 400, rated current: 20 A, Connection method: Screw connection, Contact connection type: Pin. Connectors may only be connected/disconnected when under no load.

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## VC-AML 4 - Contact insert

1607509

<https://www.phoenixcontact.com/us/products/1607509>



Contact insert, Range of articles: VARIOCON, Contact insert, design: VC2, housing material: PA, color: light grey, number of positions: 4, rated voltage: 690, rated current: 63 A, Connection method: PCB connection, Contact connection type: Pin. Connectors may only be connected/disconnected when under no load.

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## VC-AML 4-PEA - Contact insert

1607516

<https://www.phoenixcontact.com/us/products/1607516>



Contact insert, Range of articles: VARIOCON, Contact insert, design: VC2, housing material: PA, color: light grey, number of positions: 4, rated voltage: 690, rated current: 63 A, Connection method: PCB connection, Contact connection type: Pin. Connectors may only be connected/disconnected when under no load.

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## VC-AMS 4 - Contact insert

1607745

<https://www.phoenixcontact.com/us/products/1607745>



Contact insert, Range of articles: VARIOCON, Contact insert, design: VC2, housing material: PA 6.6, color: light grey, number of positions: 4, min. conductor cross section: 0.5 mm<sup>2</sup>, max. conductor cross section: 16 mm<sup>2</sup>, rated voltage: 690, rated current: 70 A, Connection method: Screw connection, Contact connection type: Pin. Connectors may only be connected/disconnected when under no load.

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