

## Panel mounting frames - VC-AR2/3M - 1852985

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Panel mounting frame, without PE, for contact insert modules, type 2, number of insert modules 3

Panel mounting frame, size VC-2

### Your advantages

- Compact design
- Universal connection
- Proven COMBICON technology
- Can be keyed to prevent incorrect connection

RoHS

### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	5 pc
GTIN	 4 017918 134341
GTIN	4017918134341
Weight per Piece (excluding packing)	12.290 g
Custom tariff number	85389099
Country of origin	Poland

### Technical data

#### General

Note	2 x 1852862 VC-AF for each connector
Size	VC2

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 125 °C
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# Panel mounting frames - VC-AR2/3M - 1852985

## Technical data

### Material data

Housing material	PA
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### Standards and Regulations

Halogen-free	no
Flammability rating according to UL 94	V0
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 style="list-style-type: none"> <li>• 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> </ul>
	<ul style="list-style-type: none"> <li>• 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> </ul>
	<ul style="list-style-type: none"> <li>• The products are suitable for applications in plant, controller, and electrical device engineering.</li> </ul>
	<ul style="list-style-type: none"> <li>• When operating the connectors in outdoor applications, they must be separately protected against environmental influences.</li> </ul>
	<ul style="list-style-type: none"> <li>• Assembled products may not be manipulated or improperly opened.</li> </ul>
	<ul style="list-style-type: none"> <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="http://phoenixcontact.com/products">phoenixcontact.com/products</a>).</li> </ul>
	<ul style="list-style-type: none"> <li>• When using the product in direct connection with third-party manufacturers, the user is responsible.</li> </ul>
	<ul style="list-style-type: none"> <li>• For operating voltages &gt; 50 V AC, conductive connector housings must be grounded</li> </ul>
	<ul style="list-style-type: none"> <li>• Ensure that the protective or functional ground has been properly connected.</li> </ul>
	<ul style="list-style-type: none"> <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> </ul>
	<ul style="list-style-type: none"> <li>• Observe the corresponding technical data. You will find information:                             <ul style="list-style-type: none"> <li>o On the product</li> <li>o On the packing label</li> <li>o In the supplied documentation</li> <li>o Online at <a href="http://phoenixcontact.com/products">phoenixcontact.com/products</a> under the product</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>• Only use tools recommended by Phoenix Contact</li> </ul>
	<ul style="list-style-type: none"> <li>• The installation notes/Design In documents online on the download page at <a href="http://phoenixcontact.com/products">phoenixcontact.com/products</a> must be observed for this product.</li> </ul>
	<ul style="list-style-type: none"> <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="http://phoenixcontact.com/products">phoenixcontact.com/products</a></li> </ul>
	<ul style="list-style-type: none"> <li>• Operate the connector only when it is fully plugged in.</li> </ul>

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### Technical data

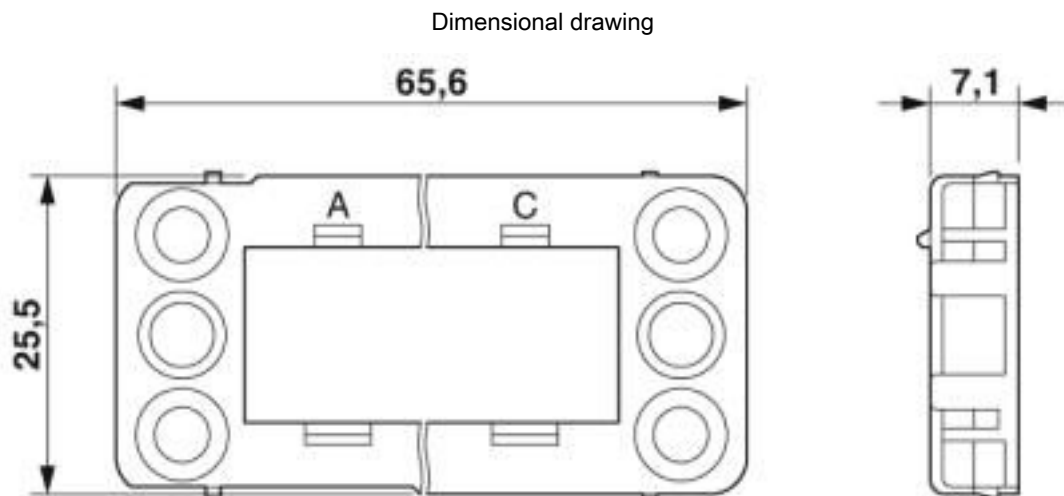
#### Standards and Regulations

	<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>

#### Environmental Product Compliance

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

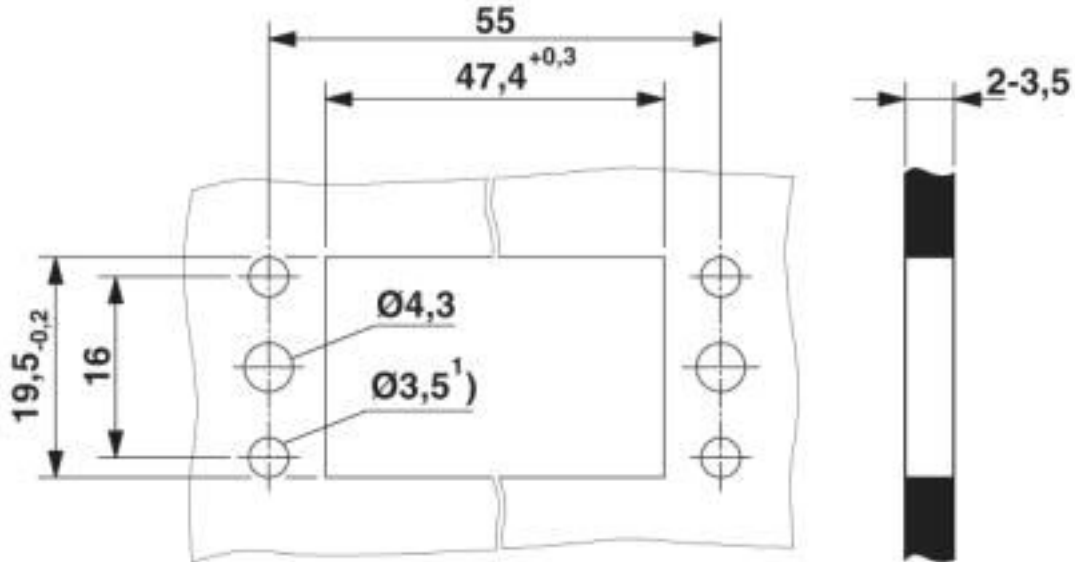
### Drawings



Panel mounting frame dimensional drawing

## Panel mounting frames - VC-AR2/3M - 1852985

Dimensional drawing



Housing cutout

### Classifications

eCl@ss

eCl@ss 10.0.1	27440210
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27371200
eCl@ss 5.1	27371200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440210
eCl@ss 8.0	27440210
eCl@ss 9.0	27440210

ETIM

ETIM 2.0	EC000437
ETIM 3.0	EC000437
ETIM 4.0	EC000437
ETIM 5.0	EC002310
ETIM 6.0	EC002310
ETIM 7.0	EC002310

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## Classifications

### UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	39121421
UNSPSC 18.0	39121421
UNSPSC 19.0	39121421
UNSPSC 20.0	39121421
UNSPSC 21.0	39121421

## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

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### Approval details

EAC		B.01742
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## Accessories

### Accessories

#### Contact insert

Contact insert - VC-AMS-FO - 1885240



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

## Panel mounting frames - VC-AR2/3M - 1852985

### Accessories

#### Contact insert - VC-AMLV 6 - 1884872



Contact insert, Contact insert, housing material: PA 6.6, number of positions: 6, nom. voltage: 250, rated current: 10 A, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

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#### Contact insert - VC-AML 6 - 1853531



Contact insert module, for panel mounting frames, with 90° PCB connection, 6-pos., 250 V / 10 A

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#### Contact insert - VC-AMS 6 - 1854019



Contact insert, Contact insert, housing material: PA 6.6, number of positions: 6, nom. voltage: 250, rated current: 10 A, Connection method: Screw connection, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

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#### Contact insert - VC-AMS 6-PE - 1583555



Contact insert, Contact insert, housing material: PA 6.6, number of positions: 6, nom. voltage: 250, rated current: 10 A, Connection method: Screw connection, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

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#### Contact insert - VC-AMLV 8 - 1884885



Contact insert, Contact insert, housing material: PA 6.6, number of positions: 8, nom. voltage: 160, rated current: 10 A, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

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## Panel mounting frames - VC-AR2/3M - 1852985

### Accessories

#### Contact insert - VC-AML 8 - 1852833



Contact insert, Contact insert, housing material: PA 6.6, number of positions: 8, nom. voltage: 160, rated current: 10 A, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

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#### Contact insert - VC-AMS 8 - 1854022



Contact insert, Contact insert, number of positions: 8, nom. voltage: 160, rated current: 10 A, Connection method: Screw connection, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

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#### Contact insert - VC-AMS 8-PE - 1583568



Contact insert, Contact insert, housing material: PA 6.6, number of positions: 8, nom. voltage: 160, rated current: 10 A, Connection method: Screw connection, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

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#### Contact insert - VC-AMLV 2 - 1884979



Contact insert, Contact insert, housing material: PA 6.6, number of positions: 2, nom. voltage: 400, rated current: 20 A, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

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#### Contact insert - VC-AML 2 - 1852859



Contact insert, Contact insert, housing material: PA 6.6, number of positions: 2, nom. voltage: 400, rated current: 20 A, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

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## Panel mounting frames - VC-AR2/3M - 1852985

### Accessories

Contact insert - VC-AMS 2 - 1853528



Contact insert module, for panel mounting frames, with screw connection, 2-pos., 400 V / 20 A

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Contact insert - VC-AMS 2-PE - 1583542



Contact insert module, for panel mounting frames, with screw connection, 1-pos. + PE connection, 400 V / 20 A

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Contact insert - VC-AML 4 - 1607509



Contact insert module, for panel mounting frames, with 90° PCB connection, 3-pos. + PE, 690 V / 63 A

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Contact insert - VC-AML 4-PEA - 1607516



Mounting contact insert with PCB connection, type: 2, Number of pos.: 3+PE

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Contact insert - VC-AMS 4 - 1607745



Contact insert module, for panel mounting frames, with screw connection, 3-pos. + PE, 690 V / 70 A

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### Panel mounting base



## Panel mounting frames - VC-AR2/3M - 1852985

### Accessories

Panel mounting frames - VC-AR2-EMV - 1853227



EMC shield adapter, for EMC connector, type 2, number of insert modules 3

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### Panel mounting flange

Mounting flange - VC-AF - 1852862



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

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### Protective cover

Protective covers - VC-SD-A2 - 1886773



Protective cover, Protective covers, type: VC2, housing material: PA 6, color: gray