VC-AR4/5M - Panel mounting frames

1853007

https://www.phoenixcontact.com/in/products/1853007

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Panel mounting frame, Range of articles: VARIOCON, Panel mounting frames, design: VC4, housing material: Polyamide. 2 x 1852862 VC-AF for each connector

Commercial Data

Item number	1853007
Packing unit	5 pc
Minimum order quantity	5 pc
Sales Key	ABL
Product Key	ABLABD
Catalog Page	Page 25 (C-2-2013)
GTIN	4017918134297
Weight per Piece (including packing)	12.6 g
Weight per Piece (excluding packing)	12.6 g
Customs tariff number	85389099
Country of origin	PL

Technical Data

Notes

General	2 x 1852862 VC-AF for each connector

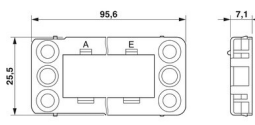| Safety note	
Safety note	WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.
	• WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective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

Type	VC4
Product type	Panel mounting frame
Product family	VARIOCON
Number of module slots	5
Series	VC-M

Dimensions

Dimensional drawing	
Width	95.6 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
Housing material	Polyamide

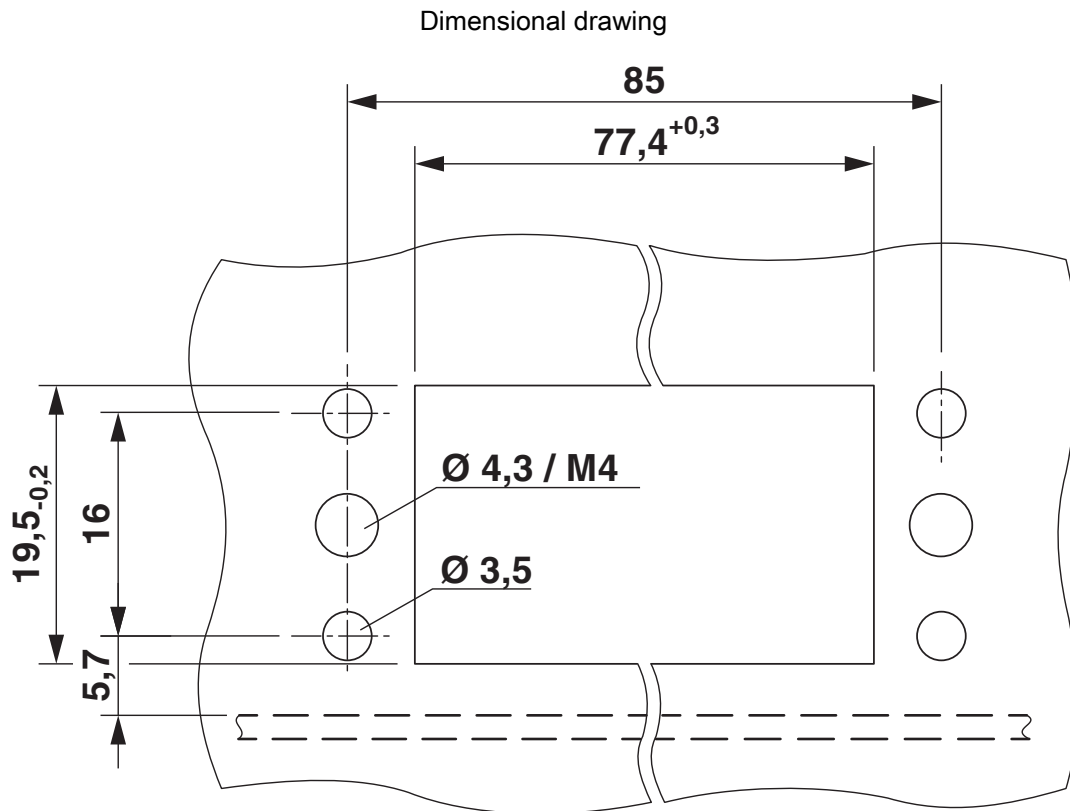## Environmental and real-life conditions

Ambient conditions

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

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Drawings

Dimensional drawing

85

$77,4^{+0,3}$

$19,5_{-0,2}$

16

Ø 4,3 / M4

Ø 3,5

5,7

a - PCB

Dimensional drawing

95,6

7,1

A   E

25,5
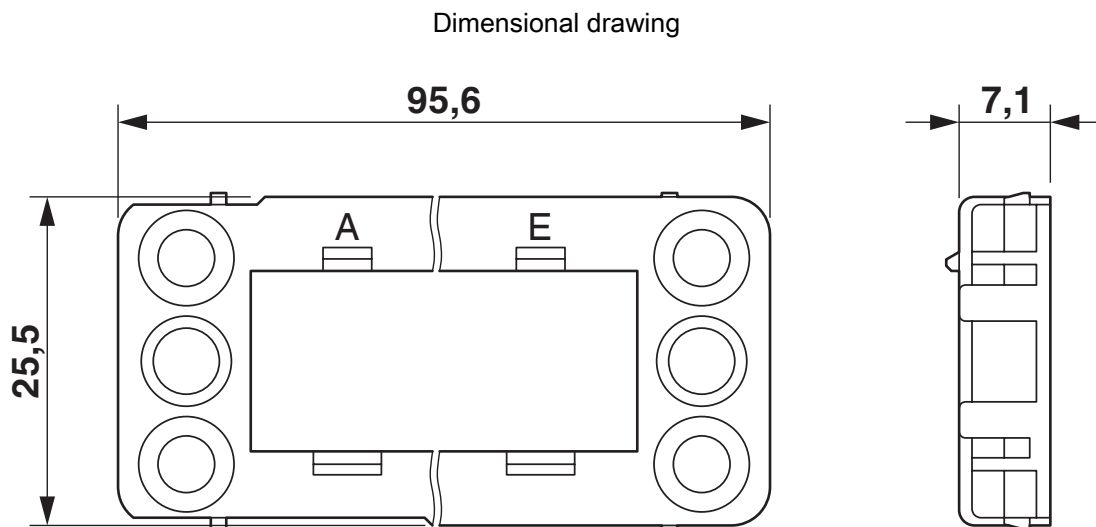
Panel mounting frame dimensional drawing

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Dimensional drawing

85

77,4 $^{+0,3}$

2-3,5

19,5 $_{-0,2}$

16

Ø4,3

Ø3,5 [1])
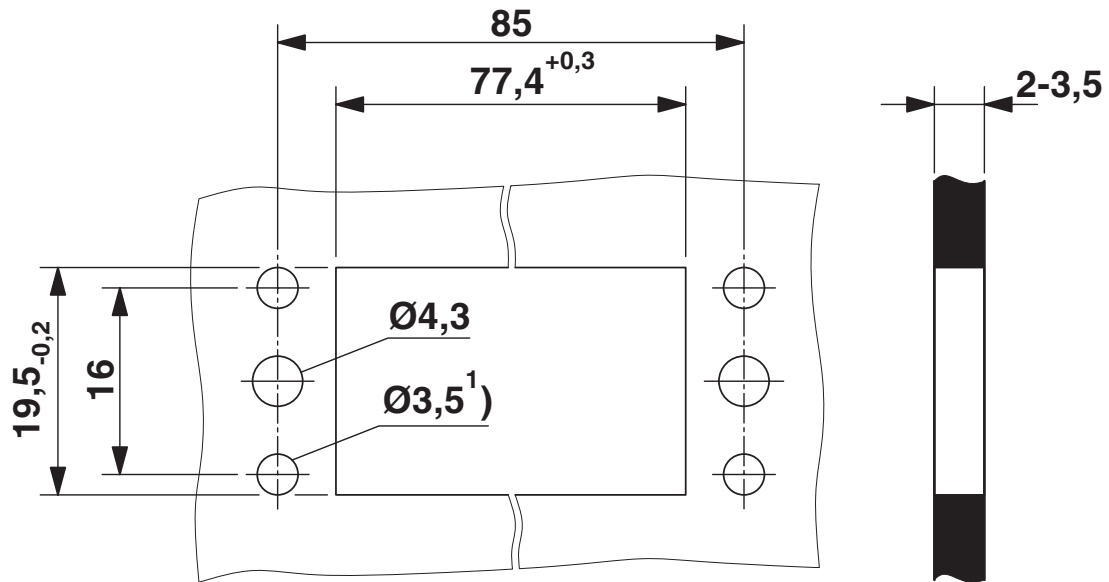
Housing cutout

Approvals

	EAC
⧇	Approval ID: B.01687

Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002310

UNSPSC

UNSPSC 21.0	39121400

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/in/products/1852862

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

VC-SD-A4 - Protective cover

1886799

https://www.phoenixcontact.com/in/products/1886799

Protective cover, Range of articles: VARIOCON, Protective cover, design: VC4, housing material: PA 6, color: gray

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VC-AR4-EMV - Panel mounting frames

1853243

https://www.phoenixcontact.com/in/products/1853243

Shroud, Range of articles: VARIOCON, Panel mounting frames, design: VC4, housing material: Copper alloy. For painted surfaces with conductive panel cutout

VC-AFOS 2 - Contact insert

1885240

https://www.phoenixcontact.com/in/products/1885240

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

VC-AMLV 6 - Contact insert

1884872

https://www.phoenixcontact.com/in/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, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

VC-AML 6 - Contact insert

1853531

https://www.phoenixcontact.com/in/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, Type of contact: 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/in/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^2, max. conductor cross section: 1.5 mm^2, rated voltage: 250, rated current: 10 A, Connection method: Screw connection, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

VC-AMS 6-PE - Contact insert

1583555

https://www.phoenixcontact.com/in/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^2, max. conductor cross section: 1.5 mm^2, rated 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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VC-AMLV 8 - Contact insert

1884885

https://www.phoenixcontact.com/in/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, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

VC-AML 8 - Contact insert

1852833

https://www.phoenixcontact.com/in/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, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

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VC-AMS 8 - Contact insert

1854022
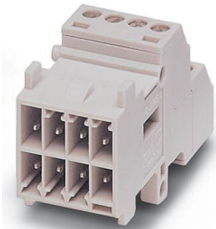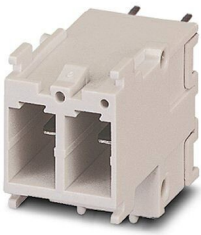
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Contact insert, Range of articles: VARIOCON, Contact insert, housing material: Polyamide, color: light grey, number of positions: 8, min. conductor cross section: 0.14 mm^2, max. conductor cross section: 1.5 mm^2, rated voltage: 160, rated current: 10 A, Connection method: Screw connection, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

VC-AMS 8-PE - Contact insert

1583568

https://www.phoenixcontact.com/in/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^2, max. conductor cross section: 1.5 mm^2, rated voltage: 160, rated current: 10 A, Connection method: Screw connection, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

VC-AMLV 2 - Contact insert

1884979

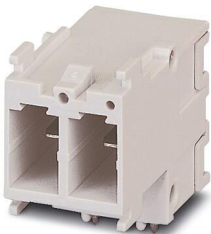https://www.phoenixcontact.com/in/products/1884979

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, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

VC-AML 2 - Contact insert

1852859

https://www.phoenixcontact.com/in/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, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.
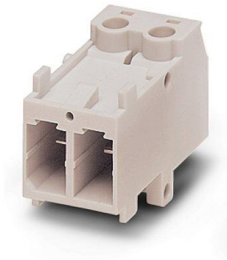
VC-AR4/5M - Panel mounting frames

1853007

https://www.phoenixcontact.com/in/products/1853007

VC-AMS 2 - Contact insert

1853528

https://www.phoenixcontact.com/in/products/1853528

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^2, max. conductor cross section: 4 mm^2, rated voltage: 400, rated current: 20 A, Connection method: Screw connection, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

VC-AMS 2-PE - Contact insert

1583542

https://www.phoenixcontact.com/in/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^2, max. conductor cross section: 4 mm^2, rated voltage: 400, rated current: 20 A, Connection method: Screw connection, Type of contact: 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/in/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, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

VC-AML 4-PEA - Contact insert

1607516

https://www.phoenixcontact.com/in/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, Type of contact: 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/in/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^2, max. conductor cross section: 16 mm^2, rated voltage: 690, rated current: 70 A, Connection method: Screw connection, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

VC-AML 5 - Contact insert

1607523

https://www.phoenixcontact.com/in/products/1607523

Contact insert, Range of articles: VARIOCON, Contact insert, design: VC3, housing material: PA, color: light grey, number of positions: 5, rated voltage: 690, rated current: 63 A, Connection method: PCB connection, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

VC-AR4/5M - Panel mounting frames

VC-AML 5-PEA - Contact insert

Contact insert, Range of articles: VARIOCON, Contact insert, design: VC3, housing material: PA, color: light grey, number of positions: 5, rated voltage: 690, rated current: 63 A, Connection method: PCB connection, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

VC-AMS 5 - Contact insert

Contact insert, Range of articles: VARIOCON, Contact insert, design: VC3, housing material: PA, color: light grey, number of positions: 5, min. conductor cross section: 0.5 mm^2, max. conductor cross section: 16 mm^2, rated voltage: 690, rated current: 70 A, Connection method: Screw connection, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

VC-AR4/5M - Panel mounting frames

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https://www.phoenixcontact.com/in/products/1853007

VC-AML 7 - Contact insert

1607537

https://www.phoenixcontact.com/in/products/1607537

Contact insert, Range of articles: VARIOCON, Contact insert, design: VC4, housing material: PA, color: light grey, number of positions: 7, rated voltage: 690, rated current: 63 A, Connection method: PCB connection, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

VC-AML 7-PEA - Contact insert

1607544

https://www.phoenixcontact.com/in/products/1607544

Contact insert, Range of articles: VARIOCON, Contact insert, design: VC4, housing material: PA 6.6, color: light grey, number of positions: 7, rated voltage: 690, rated current: 63 A, Connection method: PCB connection, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.

VC-AR4/5M - Panel mounting frames

1853007

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VC-AMS 7 - Contact insert

1607751

https://www.phoenixcontact.com/in/products/1607751

Contact insert, Range of articles: VARIOCON, Contact insert, design: VC4, housing material: PA, color: light grey, number of positions: 7, min. conductor cross section: 0.5 mm^2, max. conductor cross section: 16 mm^2, rated voltage: 690, rated current: 70 A, Connection method: Screw connection, Type of contact: Pin. Connectors may only be connected/disconnected when under no load.