

# PLC-VT - Feed-through terminal block



2296870

<https://www.phoenixcontact.com/us/products/2296870>

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VARIOFACE feed-through terminal block (2-conductor screw connection), for PLC-INTERFACE universal series

## Your advantages

- Can be combined with PLC-INTERFACE universal series
- With LED as an option
- Signal path with additional potential level for free assignment (2-conductor connection)

## Commercial data

Item number	2296870
Packing unit	10 pc
Sales key	C421
Product key	CK21C3
Catalog page	Page 532 (C-5-2019)
GTIN	4017918821609
Weight per piece (including packing)	34.02 g
Weight per piece (excluding packing)	27.6 g
Customs tariff number	85369010
Country of origin	DE

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## Technical data

### Notes

General	The necessary requirements for insulation (basic insulation or reinforced insulation) from adjacent modules (in DIN-rail direction) must be realized by applying suitable measures (e. g., partition plates).
General	Ensure that the supply voltage of the device has a common reference potential.
General	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.

### Product properties

Product type	Feed-through terminal block
Product family	PLC-INTERFACE

#### Insulation characteristics

Insulation	Functional insulation
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#### Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	III
Pollution degree	2

### Electrical properties

Operating voltage (AC/DC)	250 V AC/DC
Current (per branch)	≤ 6 A
Current (per connection terminal block with bridge shaft)	≤ 6 A

#### Air clearances and creepage distances

Rated insulation voltage	300 V
Rated surge voltage	4 kV

### Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of positions	5
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12

### Signaling

Status display present	No
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## Dimensions

### Item dimensions

Width	6.2 mm
Height	80 mm
Depth	94 mm

## Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0

## Environmental and real-life conditions

### Ambient conditions

Degree of protection (Module)	IP20
Degree of protection (Installation location)	≥ IP54
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

## Approvals

### CE

Certificate	CE-compliant
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### UKCA

Certificate	UKCA-compliant
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### Shipbuilding approval

Certificate	TAE0000196
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### DNV GL data

Temperature	D
Humidity	A
Vibration	B/C
EMC	B
Enclosure	Required protection according to the Rules shall be provided upon installation on board

## EMC data

Low Voltage Directive	Conformance with Low Voltage Directive
Electromagnetic compatibility	Conformance with EMC directive

## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
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## Mounting

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Mounting type	DIN rail mounting
Assembly instructions	in rows with zero spacing
Mounting position	any

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