

# 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
Minimum order quantity	10 pc
Sales key	C421
Product key	DK21D6
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

Notes on operation	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).
Notes on operation	Ensure that the supply voltage of the device has a common reference potential.
Notes on operation	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: 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

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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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### Shipbuilding 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

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

## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
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## Mounting

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

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## Drawings

Circuit diagram



PLC-VT connection scheme

# PLC-VT - Feed-through terminal block





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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2296870>

 <b>cUL Recognized</b> Approval ID: E238705				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	220 V	6 A	-	-

 <b>UL Recognized</b> Approval ID: E238705				
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keine				
	220 V	6 A	-	-

 <b>EAC</b> Approval ID: RU*DE.*09.B.00387/20				
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 <b>DNV GL</b> Approval ID: TAE0000196				
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## Classifications

### ECLASS

ECLASS-13.0	27371692
ECLASS-15.0	27371692

### ETIM

ETIM 10.0	EC002586
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### UNSPSC

UNSPSC 21.0	39122300
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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