PLC-VT - Feed-through terminal block

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

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., divider 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 mm² ... 4 mm²
Conductor cross-section flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section AWG	24 ... 12

Signaling

Status display present	no

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

UKCA

Certificate	UKCA-compliant

Shipbuilding approval

Certificate	TAE0000196

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

Mounting

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

Drawings

Circuit diagram



PLC-VT connection scheme

Approvals

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

cUL Recognized
Approval ID: E238705

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	220 V	6 A	-	-

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EAC
Approval ID: RU*DE.*09.B.00387/20

DNV
Approval ID: TAE0000196

Classifications

ECLASS

ECLASS-13.0	27371692
ECLASS-15.0	27371692

ETIM

ETIM 10.0	EC002586

UNSPSC

UNSPSC 21.0	39122300

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

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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