

PLC-VT/ACT - Feed-through terminal block



2295567

<https://www.phoenixcontact.com/us/products/2295567>

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VARIOFACE feed-through terminal block (3-conductor screw connection), for PLC-INTERFACE actuator series

Your advantages

- Can be combined with PLC-INTERFACE actuator series
- With LED as an option
- Signal path with two additional potential levels for free assignment (3-conductor connection)

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2295567 |
| Packing unit | 10 pc |
| Minimum order quantity | 10 pc |
| Sales key | C421 |
| Product key | DK21D6 |
| GTIN | 4017918821852 |
| Weight per piece (including packing) | 34.07 g |
| Weight per piece (excluding packing) | 27.64 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 ² ... 4 mm ² |
| Conductor cross-section flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section AWG | 24 ... 12 |

Signaling

| | |
|------------------------|----|
| Status display present | no |
|------------------------|----|

Dimensions

Item dimensions

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| | |
|--------|---------|
| Width | 6.2 mm |
| Height | 80 mm |
| Depth | 92.5 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 |

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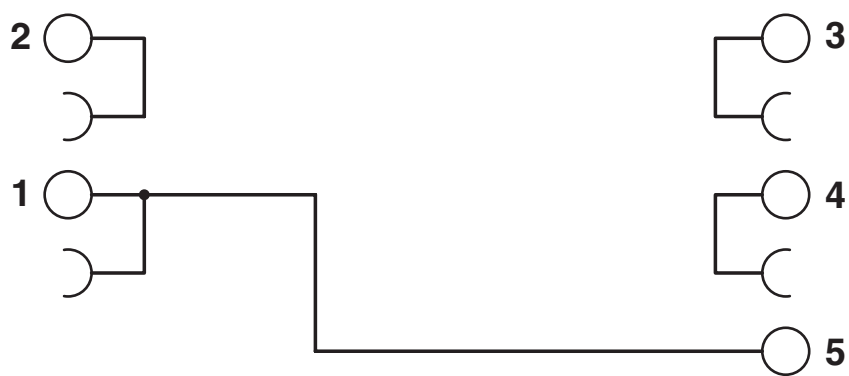


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Drawings

Circuit diagram



PLC-VT/ACT connection scheme

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2295567>

|  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 | - | - |

|  UL Recognized Approval ID: E238705 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| | 220 V | 6 A | - | - |

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

| DNV Approval ID: TAE0000196 | | | | |
|---------------------------------------|--|--|--|--|
|---------------------------------------|--|--|--|--|

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27371692 |
| ECLASS-15.0 | 27371692 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC002586 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39122300 |
|-------------|----------|

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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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