

2296867

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VARIOFACE feed-through terminal block (3-conductor screw connection), for PLC-INTERFACE actuator series, with 24 V DC LED display

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                          | 2296867             |
| Packing unit                         | 10 pc               |
| Minimum order quantity               | 10 pc               |
| Sales key                            | C421                |
| Product key                          | CK21D6              |
| Catalog page                         | Page 532 (C-5-2019) |
| GTIN                                 | 4017918821616       |
| Weight per piece (including packing) | 34.21 g             |
| Weight per piece (excluding packing) | 28.31 g             |
| Customs tariff number                | 85369010            |
| Country of origin                    | DE                  |

# PLC-VT/ACT/LA - Feed-through terminal block



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## Technical data

### Notes

|                    |  |
|--------------------|--|
| 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               |

### Data management status

|                  |    |
|------------------|----|
| Article revision | 09 |
|------------------|----|

### Insulation characteristics: Air clearances and creepage distances

|                      |                       |
|----------------------|-----------------------|
| Insulation           | Functional insulation |
| Overvoltage category | II                    |
| Pollution degree     | 2                     |

### Electrical properties

|   |                       |
|---|-----------------------|
| Operating voltage range                                   | 18 V DC ... 33.6 V DC |
| Current (per branch)                                      | ≤ 6 A                 |
| Current (per connection terminal block with bridge shaft) | ≤ 6 A                 |

### Air clearances and creepage distances

|                          |                    |
|--------------------------|--------------------|
| Rated insulation voltage | 50 V               |
| Rated surge voltage      | 0.5 kV (1.2/50 µs) |

### 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         | LED (yellow) |
| Status display present | Yes          |

### Dimensions

#### Item dimensions

|       |        |
|-------|--------|
| Width | 6.1 mm |
|-------|--------|

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|        |         |
|--------|---------|
| 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 |
| Altitude                                     | ≤ 2000 m         |

## Approvals

### CE

|             |              |
|-------------|--------------|
| Certificate | CE-compliant |
|-------------|--------------|

### UKCA

|             |                |
|-------------|----------------|
| Certificate | UKCA-compliant |
|-------------|----------------|

### Shipbuilding approval

|             |            |
|-------------|------------|
| Certificate | TAE0000196 |
|-------------|------------|

### 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 |
|-----------------------|----------------|

## Mounting

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

## PLC-VT/ACT/LA - Feed-through terminal block

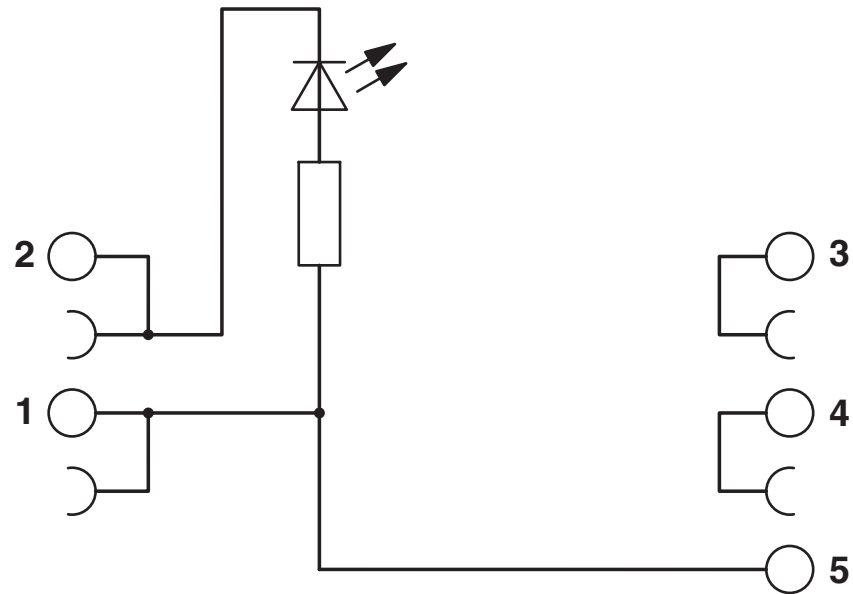
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## Drawings

Circuit diagram



# PLC-VT/ACT/LA - Feed-through terminal block





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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2296867>

|   |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>cUL Recognized</b><br>Approval ID: E238705 |                       |                       |                   |                             |
|   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|   | 20 V                  | 6 A                   | -                 | -                           |

|  |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  <b>UL Recognized</b><br>Approval ID: E238705 |                       |                       |                   |                             |
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
|  | 20 V                  | 6 A                   | -                 | -                           |

|   |  |  |  |  |
|---|--|--|--|--|
|  <b>DNV GL</b><br>Approval ID: TAE0000196 |  |  |  |  |
|---|--|--|--|--|

|                         |  |  |  |  |
|-------------------------|--|--|--|--|
| <b>cULus Recognized</b> |  |  |  |  |
|-------------------------|--|--|--|--|

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27371692 |
| ECLASS-12.0 | 27371692 |
| ECLASS-13.0 | 27371692 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | 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.)     | Hexahydromethylphthalic anhydride(CAS: n/a) |
| SCIP                                    | 3b37835a-cd16-4577-a1db-e849d4be7b81        |

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