# DFLK-D50 SUB/S - Termination board

2291286

https://www.phoenixcontact.com/us/products/2291286

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The VARIOFACE feed-through module implements a 1:1 connection between plug-in screw connection terminal blocks and a D-SUB miniature pin strip (number of positions: 50). There is no separate ground pick-off available.

## Your advantages

- 9-pos. ... 50-pos.
- 9-□...□37-pos.: separate ground pick-off
- 50-pos.: no ground pick-off
- In accordance with IEC□60807-2
- Screw connection
- 1:1 connection
- D-SUB 4-40 UNC thread

## Commercial data

| | |
|---|---|
| Item number | 2291286 |
| Packing unit | 5 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C422 |
| Product key | DK21C2 |
| GTIN | 4017918058333 |
| Weight per piece (including packing) | 162.586 g |
| Weight per piece (excluding packing) | 146.528 g |
| Customs tariff number | 85369010 |
| Country of origin | DE |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Interface module |
| Product family | VARIOFACE |
| Number of positions | 50 |

Insulation characteristics: Air clearances and creepage distances

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

### Electrical properties

| | |
|---|---|
| Operating voltage (AC) | ≤ 30 V AC |
| Operating voltage (DC) | ≤ 60 V DC |
| Current (per branch) | ≤ 2.5 A |
| Current (Total current) | ≤ 50 A (50 °C) |

Air clearances and creepage distances

| | |
|---|---|
| Rated insulation voltage | 125 V |
| Rated surge voltage | 1.2 kV (1.2/50 µs) |

### Connection data

Connection 1 (control level)

| | |
|---|---|
| Connection in acc. with standard | IEC 60807-2 |
| Connection method | D-SUB pin strip |
| Screw thread | UNC 4-40 |
| Number of connections | 1 |
| Number of positions | 50 |
| Insertion/withdrawal cycles | > 500 |
| Pitch | 2.77 mm |

Connection 2 (field level)

| | |
|---|---|
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Number of positions | 16 |
| Conductor cross-section rigid | 0.2 mm² ... 4 mm² |
| Conductor cross-section rigid (2 conductors with same cross section) | 0.2 mm² ... 1.5 mm² |
| Conductor cross-section flexible | 0.2 mm² ... 2.5 mm² |
| | 0.25 mm² ... 2.5 mm² (Ferrule without plastic sleeve) |
| | 0.25 mm² ... 2.5 mm² (Ferrule with plastic sleeve) |
| Conductor cross-section flexible (2 conductors with same cross section) | 0.2 mm² ... 1.5 mm² |
| | 0.25 mm² ... 0.75 mm² (Ferrule without plastic sleeve) |

| | |
|---|---|
| | 0.5 mm² ... 1.5 mm² (TWIN ferrule with plastic sleeve) |
| Conductor cross-section AWG | 24 ... 12 |
| Tightening torque | 0.5 Nm ... 0.6 Nm |
| Pitch | 5 mm |

## Signaling

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

## Dimensions

Item dimensions

| | |
|---|---|
| Width | 39.88 mm |
| Height | 143.4 mm |
| Depth | 33.07 mm |

## Material specifications

| | |
|---|---|
| Color | gray (RAL 7042) |
| Housing insulation material | Polyamide PA non-reinforced |

## Environmental and real-life conditions

Ambient conditions

| | |
|---|---|
| Degree of protection (Module) | IP20 |
| Degree of protection (Installation location) | ≥ IP54 |
| Ambient temperature (operation) | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |
| Altitude | ≤ 2000 m |

## Approvals

UKCA

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

## Standards and regulations

Air clearances and creepage distances

| | |
|---|---|
| Standards/regulations | EN IEC 60664-1 |

## Mounting

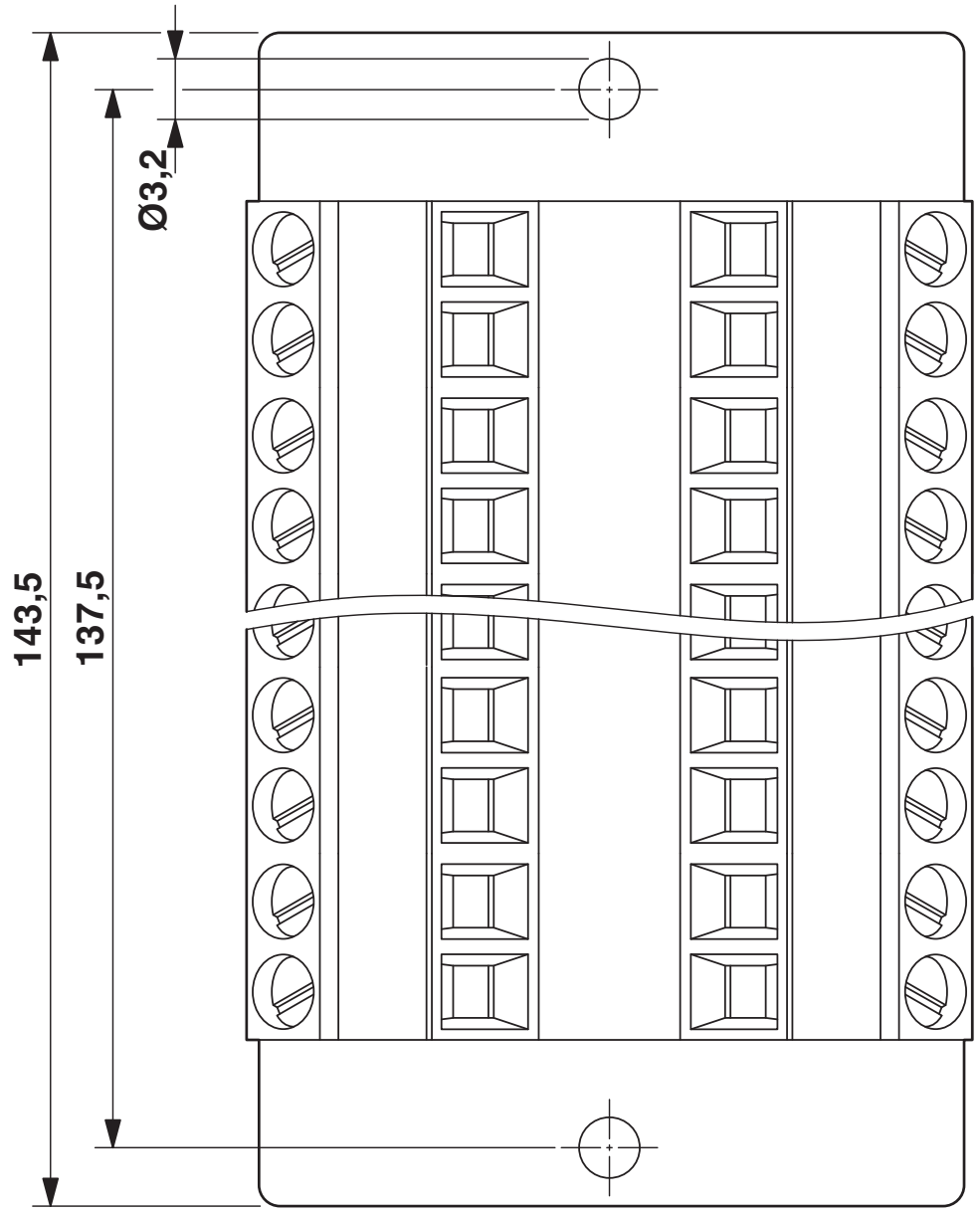
| | |
|---|---|
| Mounting type | Rear mounting |
| Mounting position | any |

## Notes

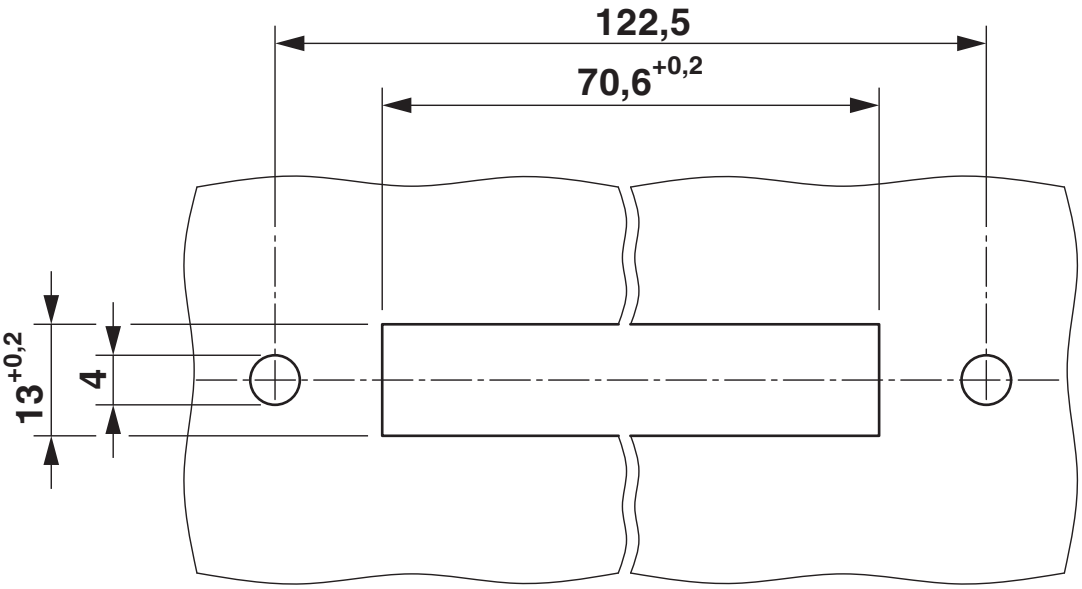
| | |
|---|---|
| Notes on operation | For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met. |

## Drawings

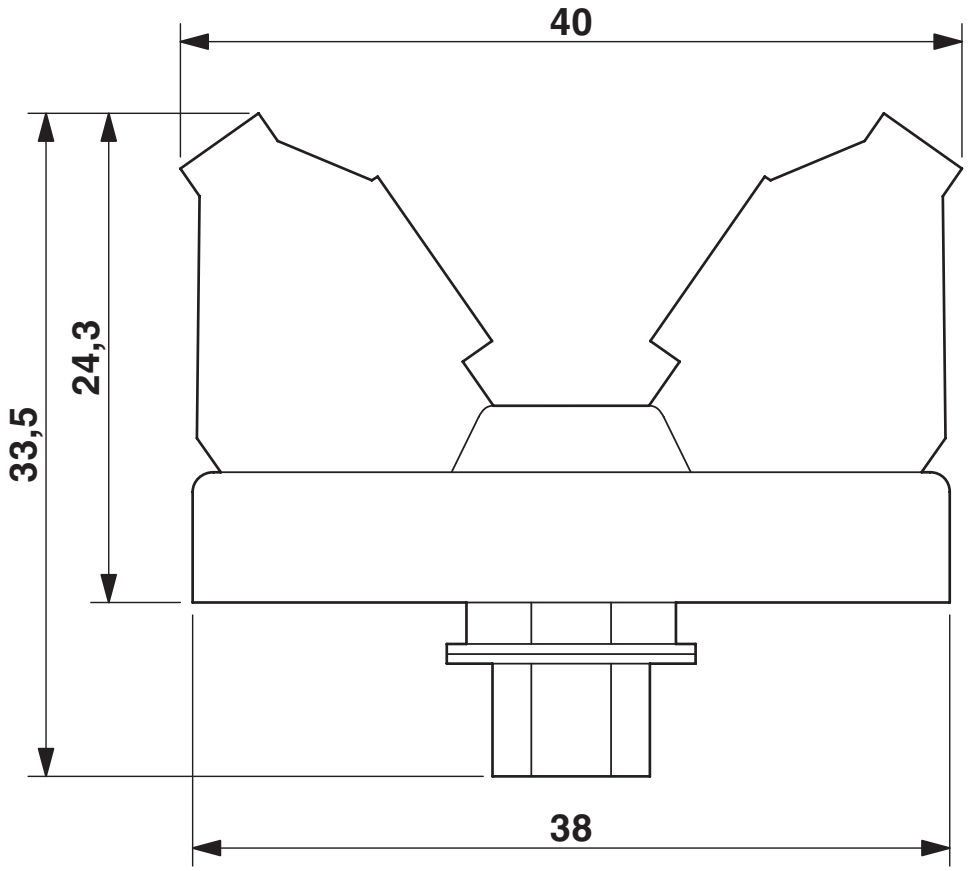
Dimensional drawing



Dimensional drawing




Dimensional drawing



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2291286

**cUL Recognized**
Approval ID: FILE E 60425

| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 125 V | 2.5 A | 30 - 12 | - |

**UL Recognized**
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| | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $mm^2$ |
|---|---|---|---|---|
| keine | | | | |
| | 125 V | 2.5 A | 30 - 12 | - |

## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27141152 |
| ECLASS-15.0 | 27141152 |

### ETIM

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|---|---|
| ETIM 10.0 | EC002780 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 39121400 |

## 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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