

# DFLK-D37 SUB/B - Termination board



2280349

<https://www.phoenixcontact.com/us/products/2280349>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



The VARIOFACE feed-through module implements a 1:1 connection between screw connection terminal blocks and a D-SUB miniature female strip (number of positions: 37). A separate ground pick-off is 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
- 1:1 connection
- Screw connection
- D-SUB 4-40 UNC thread

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2280349                        |
| Packing unit                         | 5 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C422                           |
| Product key                          | DK21C2                         |
| GTIN                                 | 4017918054458                  |
| Weight per piece (including packing) | 131.24 g                       |
| Weight per piece (excluding packing) | 136.8 g                        |
| Customs tariff number                | 85369010                       |
| Country of origin                    | DE                             |

2280349

<https://www.phoenixcontact.com/us/products/2280349>

## Technical data

### Product properties

|                     |                  |
|---------------------|------------------|
| Product type        | Interface module |
| Product family      | VARIOFACE        |
| Number of positions | 37               |

### 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 socket strip |
| Screw thread                     | UNC 4-40           |
| Number of connections            | 1                  |
| Number of positions              | 37                 |
| 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 mm <sup>2</sup> ... 4 mm <sup>2</sup>                                      |
| Conductor cross-section rigid (2 conductors with same cross section)    | 0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>                                    |
| Conductor cross-section flexible  | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                                    |
|   | 0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Ferrule without plastic sleeve)  |
|   | 0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Ferrule with plastic sleeve)     |
| Conductor cross-section flexible (2 conductors with same cross section) | 0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>                                    |
|   | 0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (Ferrule without plastic sleeve) |

# DFLK-D37 SUB/B - Termination board



2280349

<https://www.phoenixcontact.com/us/products/2280349>

|                             |  |
|-----------------------------|--|
|                             | 0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (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 | 128.4 mm |
| Depth  | 33.03 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. |
|--------------------|--|

# DFLK-D37 SUB/B - Termination board

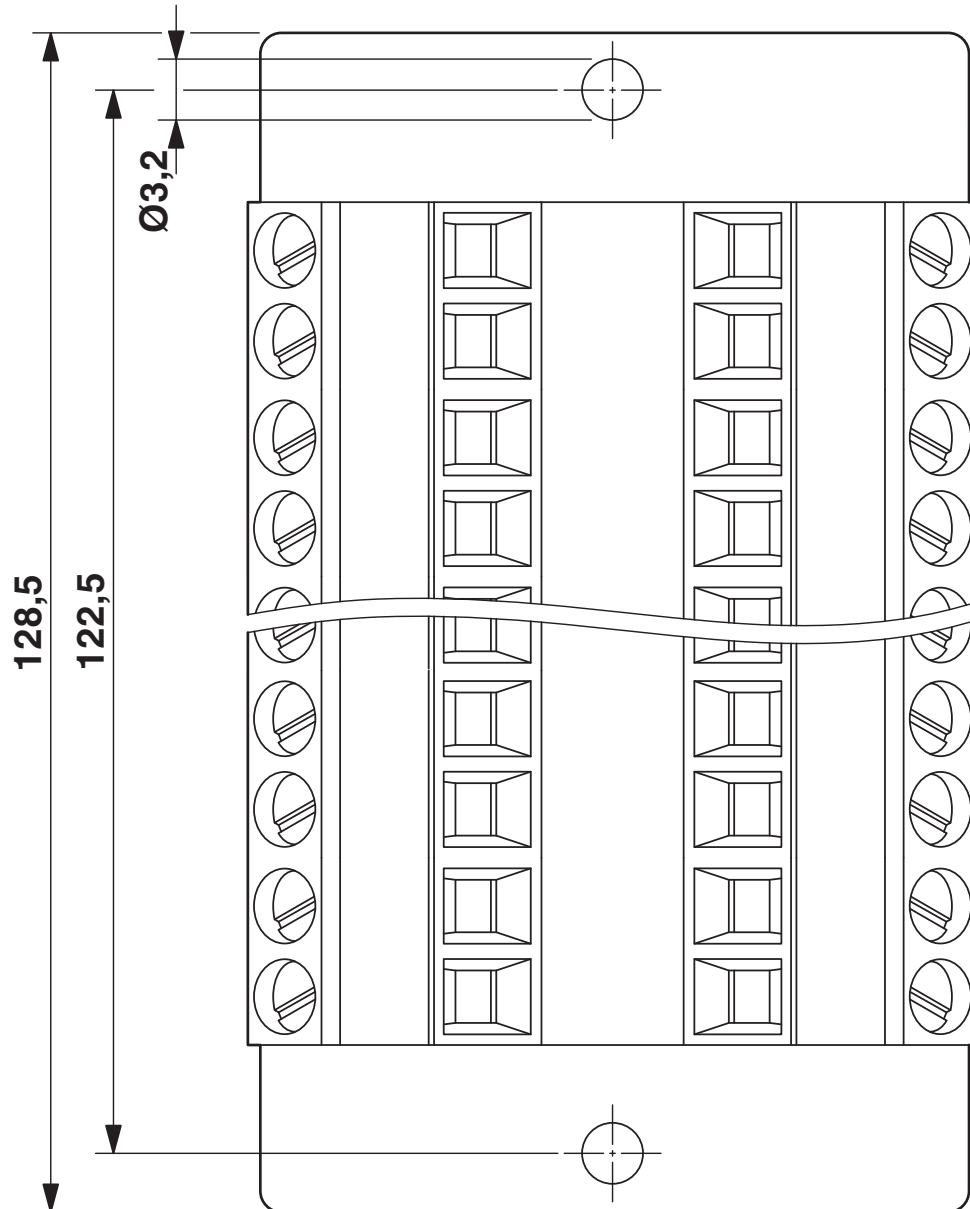


2280349

<https://www.phoenixcontact.com/us/products/2280349>

## Drawings

Dimensional drawing



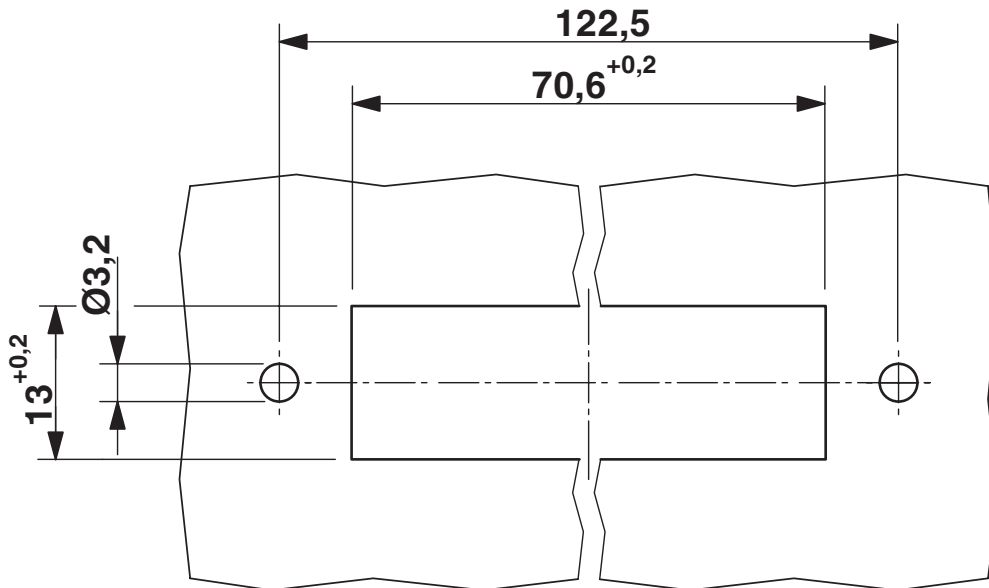
# DFLK-D37 SUB/B - Termination board



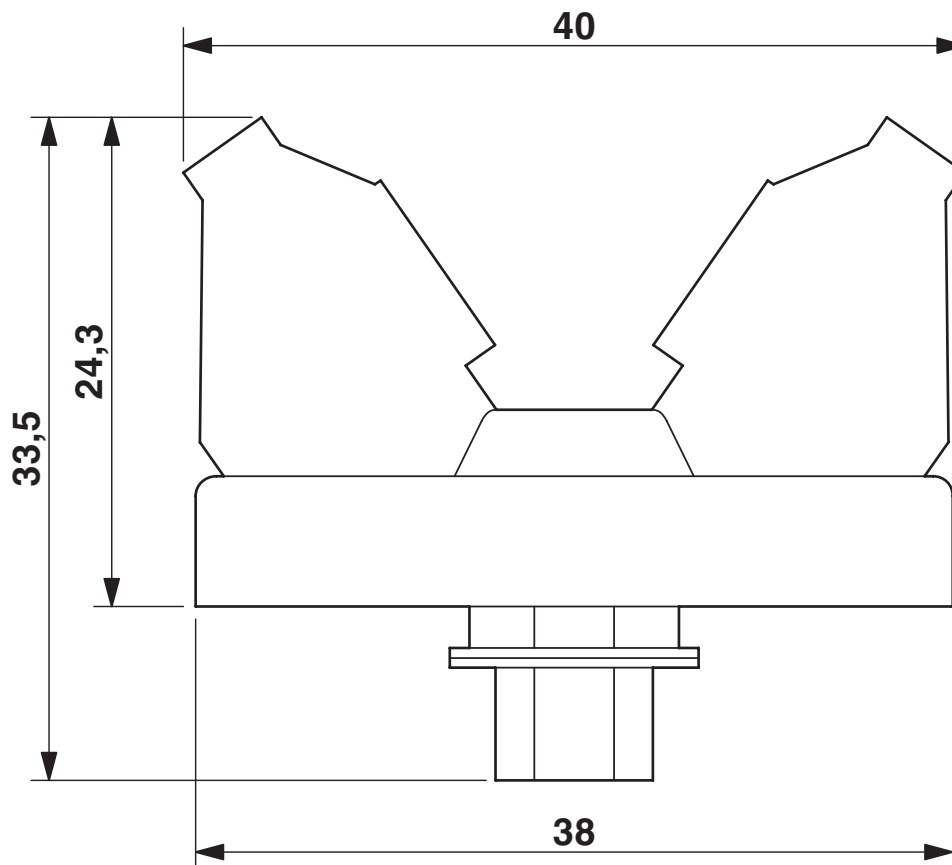
2280349

<https://www.phoenixcontact.com/us/products/2280349>

Dimensional drawing



Dimensional drawing



# DFLK-D37 SUB/B - Termination board



2280349

<https://www.phoenixcontact.com/us/products/2280349>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2280349>

|  <b>cUL Recognized</b><br>Approval ID: FILE E 60425 |                       |                       |                   |                             |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
|  | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine  |                       |                       |                   |                             |
|  | 125 V                 | 2.5 A                 | 30 - 12           | -                           |

|  <b>UL Recognized</b><br>Approval ID: FILE E 60425 |                       |                       |                   |                             |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
|   | Nominal voltage $U_N$ | Nominal current $I_N$ | Cross section AWG | Cross section $\text{mm}^2$ |
| keine   |                       |                       |                   |                             |
|   | 125 V                 | 2.5 A                 | 30 - 12           | -                           |

# DFLK-D37 SUB/B - Termination board



2280349

<https://www.phoenixcontact.com/us/products/2280349>

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

# DFLK-D37 SUB/B - Termination board



2280349

<https://www.phoenixcontact.com/us/products/2280349>

## 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% |
|-------------------------------------|----------------------------|

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)