

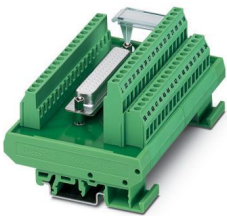
FLKM-D50 SUB/B - Termination board



2281225

<https://www.phoenixcontact.com/us/products/2281225>

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VARIOFACE module, with screw connection and D-Subminiature socket strip, for mounting on NS 35/7.5 or NS 32, 50-pos.

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2281225 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C422 |
| Product key | DK2182 |
| GTIN | 4017918054656 |
| Weight per piece (including packing) | 241.2 g |
| Weight per piece (excluding packing) | 241.2 g |
| Customs tariff number | 85369010 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|---------------------|-----------------------|
| Product type | Interface module |
| Product family | VARIOFACE |
| Number of positions | 50 |
| Operating mode | 100% operating factor |

Insulation characteristics: Air clearances and creepage distances

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

Electrical properties

| | |
|------------------------------------|-----------------------------------|
| Max. permissible operating voltage | 25 V AC |
| | 60 V DC |
| Max. permissible current | 2.5 A (per path) |
| Max. permissible total current | 90 A ($T_A = 50^\circ\text{C}$) |

Air clearances and creepage distances

| | |
|--------------------------|--------|
| Rated insulation voltage | 125 V |
| Rated surge voltage | 1.2 kV |

Connection data

Field level

| | |
|----------------------------------|---|
| Connection in acc. with standard | IEC / EN |
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| 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 |

Controller level

| | |
|---------------------|--------------------|
| Connection method | D-SUB socket strip |
| Number of positions | 50 |

Signaling

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

Dimensions

Item dimensions

| | |
|--------|----------|
| Width | 112.5 mm |
| Height | 58.5 mm |

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| | |
|-------|-------|
| Depth | 77 mm |
|-------|-------|

Material specifications

| | |
|-----------------------------|-----------------------------|
| Color | green (RAL 6021) |
| Housing insulation material | Polyamide PA non-reinforced |

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Air clearances and creepage distances

| | |
|-----------------------|--------------|
| Standards/regulations | DIN EN 50178 |
|-----------------------|--------------|

Mounting

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

Notes

| | |
|--------------------|--|
| Notes on operation | No additional touch protection is required when using a SELV/PELV voltage (≤ 25 V AC or 60 V DC). |
| Notes on operation | Against adjacent modules in the support rail direction at least one functional insulation on the output-side is complied with. If the application has higher requirements on the insulation (basic insulation or reinforced insulation), then these must be realized through suitable measures (e. g. partition plates). |
| 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. |

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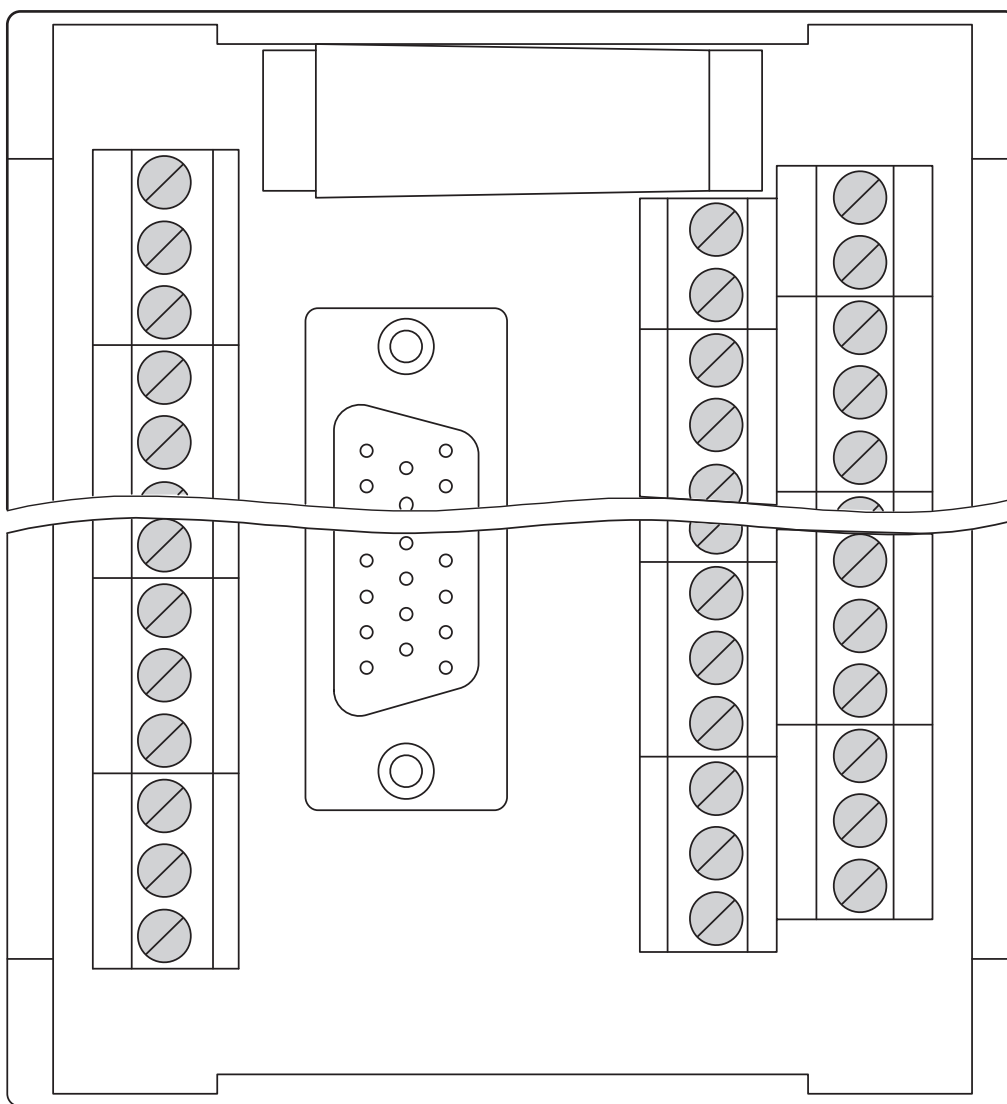


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Drawings

Schematic diagram



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Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121432 |
|-------------|----------|

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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-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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