

UM 45-D 9SUB/S - Termination board



2962777

<https://www.phoenixcontact.com/us/products/2962777>

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VARIOFACE module, with screw connection and D-subminiature pin strip, for assembly on NS 35/7.5, 9 positions

The figure shows the version UM 45-D37SUB/S

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2962777 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | C422 |
| Product key | DK21A2 |
| GTIN | 4017918087432 |
| Weight per piece (including packing) | 72 g |
| Weight per piece (excluding packing) | 68.5 g |
| Customs tariff number | 85369010 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|---------------------|------------------|
| Product type | Interface module |
| Number of positions | 9 |

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) | ≤ 22.5 A |

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 | 9 |
| Insertion/withdrawal cycles | > 500 |
| Pitch | 2.74 mm |

Connection 2 (field level)

| | |
|---|---|
| Connection method | Screw connection |
| Stripping length | 6 mm |
| Screw thread | M3 |
| Number of positions | 10 |
| Conductor cross-section rigid | 0.14 mm ² ... 1.5 mm ² |
| Conductor cross-section rigid (2 conductors with same cross section) | 0.14 mm ² ... 0.75 mm ² |
| Conductor cross-section flexible | 0.14 mm ² ... 1.5 mm ² |
| | 0.25 mm ² ... 1 mm ² (Ferrule without plastic sleeve) |
| | 0.25 mm ² ... 1.5 mm ² (Ferrule with plastic sleeve) |
| Conductor cross-section flexible (2 conductors with same cross section) | 0.14 mm ² ... 0.75 mm ² |
| | 0.25 mm ² ... 0.5 mm ² (Ferrule without plastic sleeve) |
| | 0.5 mm ² ... 1 mm ² (TWIN ferrule with plastic sleeve) |

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| | |
|-----------------------------|-------------------|
| Conductor cross-section AWG | 26 ... 16 |
| Tightening torque | 0.5 Nm ... 0.6 Nm |
| Pitch | 5.08 mm |

Signaling

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

Dimensions

Item dimensions

| | |
|--------|----------|
| Width | 53 mm |
| Height | 45 mm |
| Depth | 43.12 mm |

Material specifications

| | |
|-----------------------------|------------------|
| Color | green (RAL 6021) |
| Housing insulation material | PVC |

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 | DIN rail 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. |
|--------------------|--|

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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2962777>

|  cUL Recognized Approval ID: E118976 | | | | |
|---|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| Field wiring | 125 V | 2.5 A | 30 - 14 | - |

|  UL Recognized Approval ID: E118976 | | | | |
|--|-----------------------|-----------------------|-------------------|-----------------------------|
| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
| keine | | | | |
| Field wiring | 125 V | 2.5 A | 30 - 14 | - |

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Classifications

ECLASS

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

ETIM

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

UNSPSC

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

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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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