

UM-FLK14/PTS/MSTB/GF-DI - Termination board



2902085

<https://www.phoenixcontact.com/us/products/2902085>

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VARIOFACE interface module, with 14-pos flat-ribbon cable connector with knife disconnection and COMBICON connectors, for mounting on NS 35/7,5 or NS 32

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2902085 |
| Packing unit | 1 pc |
| Minimum order quantity | 10 pc |
| Note | Made to order (non-returnable) |
| Product key | DK2A81 |
| GTIN | 4046356648561 |
| Weight per piece (including packing) | 270 g |
| Weight per piece (excluding packing) | 257.1 g |
| Country of origin | DE |

Technical data

Product properties

| | |
|----------------|------------------|
| Product type | Interface module |
| Product family | VARIOFACE |

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) | ≤ 50 V DC |
| Current (per branch) | ≤ 1 A |
| Current (Voltage supply) | ≤ 3 A |

Air clearances and creepage distances

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

Connection data

Connection 1 (control level)

| | |
|----------------------------------|-------------------|
| Connection in acc. with standard | IEC 60603-13 |
| Connection method | IDC/FLK pin strip |
| Number of connections | 1 |
| Number of positions | 14 |
| Insertion/withdrawal cycles | > 50 |
| Pitch | 2.54 mm |

Connection 2 (field level)

| | |
|---|--|
| Connection method | Screw connection |
| Stripping length | 7 mm |
| Number of connections | 3 |
| Number of positions | 8 |
| Conductor cross-section rigid | 0.2 mm² ... 2.5 mm² |
| Conductor cross-section rigid (2 conductors with same cross section) | 0.2 mm² ... 1 mm² |
| Conductor cross-section flexible | 0.2 mm² ... 2.5 mm² |
| | 0.2 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 ... 1 mm² (Ferrule without plastic sleeve) |
| | 0.5 mm² ... 1.5 mm² (TWIN ferrule with plastic sleeve) |
| Conductor cross-section AWG | 24 ... 12 |

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| | |
|-------------------|-------------------|
| Tightening torque | 0.5 Nm ... 0.6 Nm |
| Pitch | 5.08 mm |

Connection 3 (field level)

| | |
|-----------------------|---------------------|
| Connection method | PCB terminal block |
| Type | PCB isolating plugs |
| Number of connections | 1 |
| Number of positions | 8 |
| Pitch | 5.08 mm |

Connection 4 (supply)

| | |
|---|--|
| Connection method | Screw connection |
| Stripping length | 7 mm |
| Number of connections | 1 |
| Number of positions | 2 |
| Conductor cross-section rigid | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross-section rigid (2 conductors with same cross section) | 0.2 mm ² ... 1 mm ² |
| Conductor cross-section flexible | 0.2 mm ² ... 2.5 mm ² |
| | 0.2 mm ² ... 2.5 mm ² (Ferrule without plastic sleeve) |
| | 0.25 mm ² ... 2.5 mm ² (Ferrule with plastic sleeve) |
| Conductor cross-section flexible (2 conductors with same cross section) | 0.2 mm ² ... 1.5 mm ² |
| | 0.25 mm ² ... 1 mm ² (Ferrule without plastic sleeve) |
| | 0.5 mm ² ... 1.5 mm ² (TWIN ferrule with plastic sleeve) |
| Conductor cross-section AWG | 24 ... 12 |
| Tightening torque | 0.5 Nm ... 0.6 Nm |
| Pitch | 5.08 mm |

Connection 5 (supply)

| | |
|-----------------------|---------------------|
| Connection method | PCB terminal block |
| Type | PCB isolating plugs |
| Number of connections | 1 |
| Number of positions | 2 |

Dimensions

Item dimensions

| | |
|--------|--------|
| Width | 60 mm |
| Height | 128 mm |
| Depth | 66 mm |

Environmental and real-life conditions

Ambient conditions

| | |
|--|------------------|
| Degree of protection (Module) | IP00 |
| Degree of protection (Installation location) | ≥ IP54 |
| Ambient temperature (operation) | -20 °C ... 50 °C |

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| | |
|---|------------------|
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |
| Altitude | ≤ 2000 m |

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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Classifications

ECLASS

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

ETIM

| | |
|----------|----------|
| ETIM 9.0 | 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-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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