

FLKM 10 - Termination board



2281018

<https://www.phoenixcontact.com/us/products/2281018>

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.



VARIOFACE module, with screw connection and flat-ribbon cable connector, for mounting on NS 32 or NS 35/7.5, with pin strip and short and long locking latches for socket strips, 10-pos.

The figure shows a 40-position version

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2281018 |
| Packing unit | 10 pc |
| Minimum order quantity | 1 pc |
| Sales key | C422 |
| Product key | DK2181 |
| GTIN | 4017918054465 |
| Weight per piece (including packing) | 68.29 g |
| Weight per piece (excluding packing) | 58.514 g |
| Customs tariff number | 85369010 |
| Country of origin | DE |

FLKM 10 - Termination board



2281018

<https://www.phoenixcontact.com/us/products/2281018>

Technical data

Product properties

| | |
|---------------------|------------------|
| Product type | Interface module |
| Product family | VARIOFACE |
| Number of positions | 10 |
| No. of channels | 8 |

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) | ≤ 1 A |

Air clearances and creepage distances

| | |
|--------------------------|--------------------|
| Rated insulation voltage | 63 V |
| Rated surge voltage | 0.6 kV (1.2/50 μs) |

Supported controller: EMERSON DeltaV

| | |
|-------------------|--------------|
| Suitable I/O card | VE4002S1T2B4 |
|-------------------|--------------|

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 | 10 |
| Insertion/withdrawal cycles | > 50 |
| Pitch | 2.54 mm |

Connection 2 (field level)

| | |
|--|---|
| Connection method | Screw connection |
| Stripping length | 7 mm |
| Screw thread | M3 |
| Number of positions | 10 |
| Conductor cross-section rigid | 0.2 mm ² ... 4 mm ² |
| Conductor cross-section rigid (2 conductors with same cross section) | 0.2 mm ² ... 1.5 mm ² |
| Conductor cross-section flexible | 0.2 mm ² ... 2.5 mm ² |
| | 0.25 mm ² ... 1.5 mm ² (Ferrule without plastic sleeve) |
| | 0.25 mm ² ... 2.5 mm ² (Ferrule with plastic sleeve) |

FLKM 10 - Termination board



2281018

<https://www.phoenixcontact.com/us/products/2281018>

| | |
|---|--|
| Conductor cross-section flexible (2 conductors with same cross section) | 0.2 mm ² ... 1.5 mm ² |
| | 0.25 mm ² ... 0.75 mm ² (Ferrule without plastic sleeve) |
| | 0.5 mm ² ... 0.5 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 |

Signaling

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

Dimensions

Item dimensions

| | |
|--------|----------|
| Width | 33.65 mm |
| Height | 77 mm |
| Depth | 57.47 mm |

Material specifications

| | |
|-----------------------------|-------------------|
| Color | green (RAL 6021) |
| Housing insulation material | Polyamide 6 green |

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 |
| 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 |
|--------------------|--|

FLKM 10 - Termination board

2281018

<https://www.phoenixcontact.com/us/products/2281018>



instructions of the respective third-party manufacturer must also be met.

FLKM 10 - Termination board

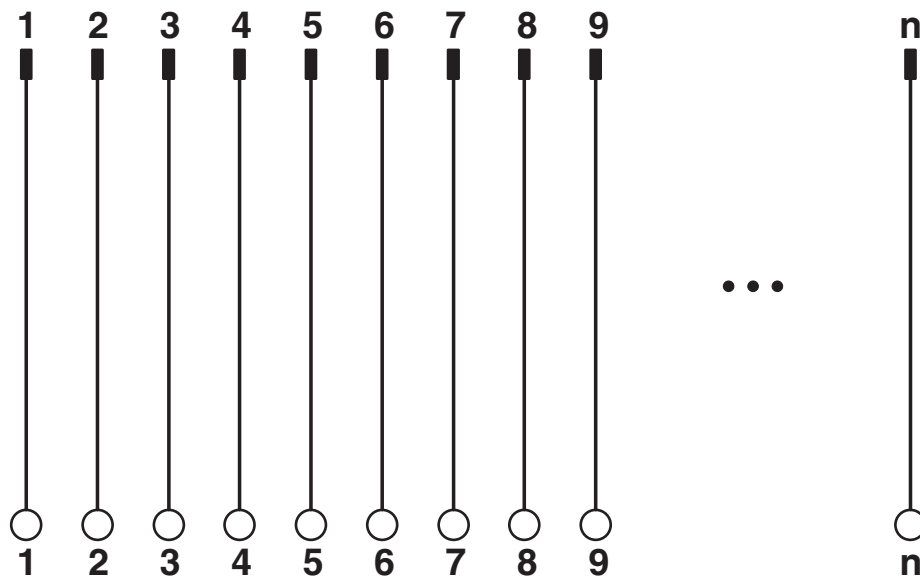
2281018

<https://www.phoenixcontact.com/us/products/2281018>



Drawings

Circuit diagram



FLKM 10 - Termination board





2281018

<https://www.phoenixcontact.com/us/products/2281018>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2281018>

|  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 | 1 A | 30 - 12 | - |

|  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 | 1 A | 30 - 12 | - |

FLKM 10 - Termination board



2281018

<https://www.phoenixcontact.com/us/products/2281018>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

FLKM 10 - Termination board



2281018

<https://www.phoenixcontact.com/us/products/2281018>

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