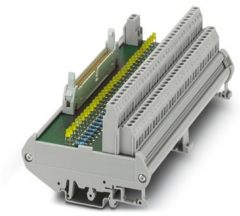
# FLKM 50/32M/OUT/LA/DV - Passive module

2304843

https://www.phoenixcontact.com/us/products/2304843

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32-channel module with LED and 2-conductor connection; common negative potential (for Delta V controller output cards)

## Commercial data

| | |
|---|---|
| Item number | 2304843 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C421 |
| Product key | DK218K |
| GTIN | 4017918981754 |
| Weight per piece (including packing) | 371.4 g |
| Weight per piece (excluding packing) | 311.48 g |
| Customs tariff number | 85369010 |
| Country of origin | DE |

# Technical data

## Product properties

| | |
|---|---|
| Product type | Interface module |
| Product family | VARIOFACE |
| Number of positions | 50 |
| No. of channels | 32 |
| Operating mode | 100% operating factor |

Insulation characteristics: Air clearances and creepage distances

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

## Electrical properties

| | |
|---|---|
| Operating voltage range | 19.2 V DC ... 26.4 V DC |
| Current (per branch) | ≤ 1 A |
| Current (Terminal block/terminal block) | ≤ 5 A |

Air clearances and creepage distances

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

Supported controller: EMERSON DeltaV

| | |
|---|---|
| Suitable I/O card | VE4002S1T2B6 |

## Input data

| | |
|---|---|
| Nominal input voltage $U_N$ | max. 30 V DC |

## Output data

| | |
|---|---|
| Nominal supply voltage | 24 V DC ±10 % |
| Continuous load current | 10 mA |

## 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 | 50 |
| 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 | 64 |
| Conductor cross-section rigid | 0.2 mm² ... 4 mm² |
| Conductor cross-section rigid (2 conductors with same cross section) | 0.2 mm² ... 1.5 mm² |
| Conductor cross-section flexible | 0.2 mm² ... 2.5 mm² |
| | 0.25 mm² ... 1.5 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 ... 0.75 mm² (Ferrule without plastic sleeve) |
| | 0.5 mm² ... 0.5 mm² (TWIN ferrule with plastic sleeve) |
| Conductor cross-section AWG | 24 ... 12 |
| Tightening torque | 0.5 Nm ... 0.6 Nm |
| Pitch | 5.08 mm |

Connection 3 (supply)

| | |
|---|---|
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Number of connections | 1 |
| Number of positions | 2 |
| Conductor cross-section rigid | 0.2 mm² ... 4 mm² |
| Conductor cross-section rigid (2 conductors with same cross section) | 0.2 mm² ... 1.5 mm² |
| Conductor cross-section flexible | 0.2 mm² ... 2.5 mm² |
| | 0.25 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 ... 0.75 mm² (Ferrule without plastic sleeve) |
| | 0.5 mm² ... 1.5 mm² (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 | LED (yellow) |
| Status display present | yes |

## Dimensions

Item dimensions

| | |
|---|---|
| Width | 168.3 mm |
| Height | 89.6 mm |
| Depth | 65.8 mm |

## Material specifications

| | |
|---|---|
| Color | gray (RAL 7042) |
| Housing insulation material | PVC |

## 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

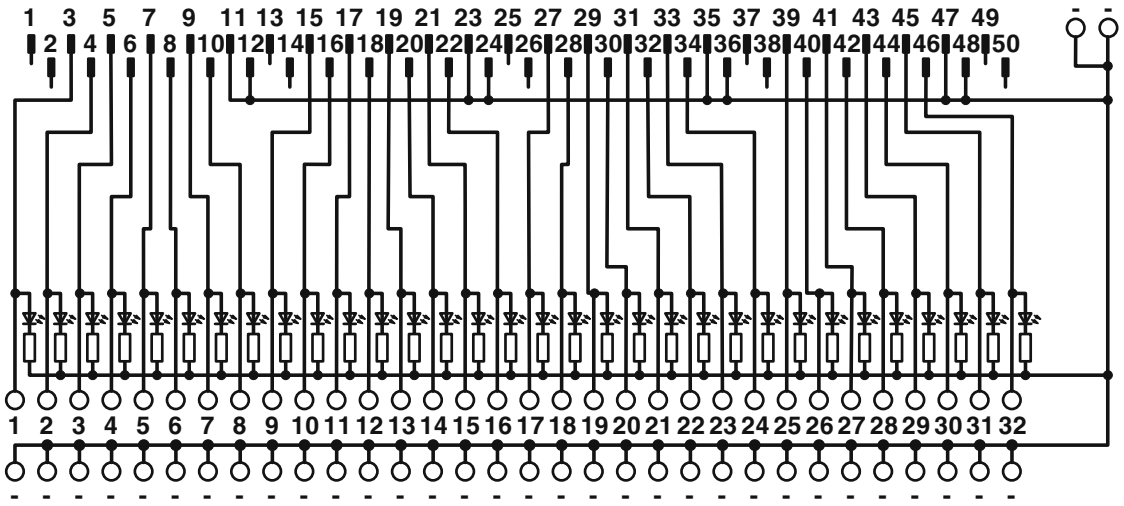
| | |
|---|---|
| Mounting type | DIN rail mounting |
| Mounting position | any |

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

## Drawings

Connection diagram



## Classifications

### ECLASS

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

### ETIM

| | |
|---|---|
| ETIM 10.0 | 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-E |
| | No hazardous substances above the limits |

EU REACH SVHC

| | |
|---|---|
| REACH candidate substance (CAS No.) | Hexahydromethylphthalic anhydride(CAS: n/a) |
| SCIP | 9b6958fe-aef7-4c10-af27-d31786ee1240 |


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