

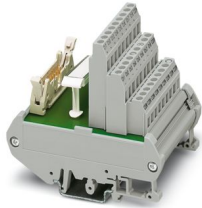
# FLKM 16/AI/DV - Termination board



2304429

<https://www.phoenixcontact.com/us/products/2304429>

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.



Interface module with 1:1 connection and separate equipotential terminals (suitable for analog output cards of the Delta V control system)

## Your advantages

- These system-specific interface modules for DeltaV modules are used in combination with the relevant system cables
- 1:1 connection
- Separate potential terminal blocks per channel

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2304429                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C421                           |
| Product key                          | DK218K                         |
| GTIN                                 | 4017918981990                  |
| Weight per piece (including packing) | 155.1 g                        |
| Weight per piece (excluding packing) | 122.57 g                       |
| Customs tariff number                | 85369010                       |
| Country of origin                    | DE                             |

# FLKM 16/AI/DV - Termination board



2304429

<https://www.phoenixcontact.com/us/products/2304429>

## Technical data

### Product properties

|                     |                  |
|---------------------|------------------|
| Product type        | Interface module |
| Product family      | VARIOFACE        |
| Number of positions | 16               |
| 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 | VE4003S2B4 |
|-------------------|------------|

## 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              | 16                |
| 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  | 27  |
| Conductor cross-section rigid  | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>                                     |
| Conductor cross-section rigid (2 conductors with same cross section) | 0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>                                   |
| Conductor cross-section flexible                                     | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>                                   |
|  | 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (Ferrule without plastic sleeve) |
|  | 0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Ferrule with plastic sleeve)    |

# FLKM 16/AI/DV - Termination board



2304429

<https://www.phoenixcontact.com/us/products/2304429>

|   |  |
|---|--|
| Conductor cross-section flexible (2 conductors with same cross section) | 0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>                                    |
|   | 0.2 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (Ferrule without plastic sleeve)  |
|   | 0.5 mm <sup>2</sup> ... 0.5 mm <sup>2</sup> (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  | 55.8 mm |
| Height | 89.6 mm |
| Depth  | 79.3 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 |
|--------------------|--|

# FLKM 16/AI/DV - Termination board

2304429

<https://www.phoenixcontact.com/us/products/2304429>



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

# FLKM 16/AI/DV - Termination board

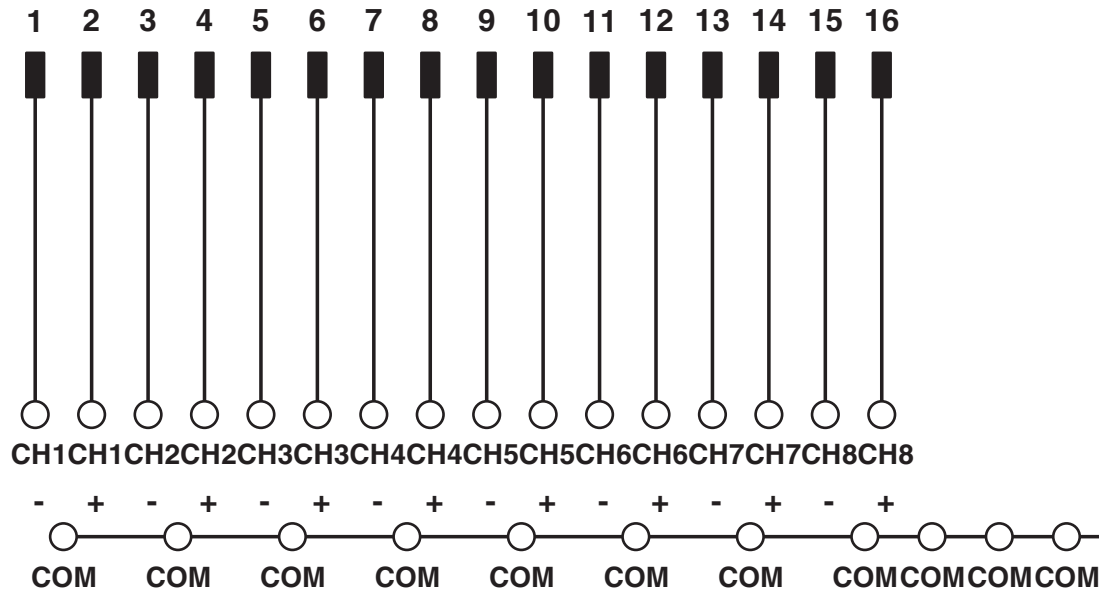


2304429

<https://www.phoenixcontact.com/us/products/2304429>

## Drawings

Circuit diagram



FLKM 16/AI/DV connection scheme

# FLKM 16/AI/DV - Termination board



2304429

<https://www.phoenixcontact.com/us/products/2304429>

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

# FLKM 16/AI/DV - Termination board



2304429

<https://www.phoenixcontact.com/us/products/2304429>

## 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](mailto:info@phoenixcon.com)