

## Passive module - FLKM 14/8M/SI/PLC - 2294487

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




VARIOFACE module, for 8 channels, each with an additional terminal block and fuse per signal, (common minus potential)

### Your advantages

- ✓ Plug-in fuse (IEC 127-3, 2AF) per voltage supply (F2)
- ✓ Byte-by-byte labeling
- ✓ Negative connection per signal
- ✓ Plug-in fuse (IEC 127-3, 1AF) per signal path (F1)
- ✓ Can be used for digital I/O modules



### Key Commercial Data

|              |   |
|--------------|---|
| Packing unit | 1 pc  |
| GTIN         | <br>4 017918 148966 |
| GTIN         | 4017918148966   |

### Technical data

#### Dimensions

|        |       |
|--------|-------|
| Width  | 56 mm |
| Height | 90 mm |
| Depth  | 66 mm |

#### Ambient conditions

|   |                  |
|---|------------------|
| Ambient temperature (operation)         | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |
| Degree of protection                    | IP00             |

#### General

|                                 |         |
|---------------------------------|---------|
| Nominal voltage $U_N$           | 60 V DC |
| Max. perm. current (per branch) | 1 A     |

# Passive module - FLKM 14/8M/SI/PLC - 2294487

## Technical data

### General

|  |      |
|--|------|
| Max. permissible current (separate power supply) | 2 A  |
| Number of positions                              | 14   |
| Status display                                   | No   |
| Mounting position                                | any  |
| Degree of protection                             | IP00 |

### Connection data

|                                  |   |
|----------------------------------|---|
| Connection name                  | Field level                                 |
| Connection in acc. with standard | IEC / EN                                    |
| Connection method                | Screw connection                            |
| Stripping length                 | 8 mm  |
| Screw thread                     | M3  |
| Conductor cross section solid    | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>   |
| Conductor cross section flexible | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross section AWG      | 24 ... 12                                   |

### Connection data 2

|                       |                   |
|-----------------------|-------------------|
| Connection name       | Controller level  |
| Connection method     | IDC/FLK pin strip |
| Number of connections | 1                 |
| Number of positions   | 14                |
| Pitch                 | 2.54 mm           |

### Supported controller

|                     |                            |
|---------------------|----------------------------|
| Controller          | SIEMENS S7-1500            |
| - suitable I/O card | 6ES7 521-1BH00-0AB0        |
|                     | 6ES7 521-1BH50-0AA0        |
|                     | 6ES7 521-1BL00-0AB0        |
|                     | 6ES7 522-1BH00-0AB0        |
|                     | 6ES7 522-1BH01-0AB0        |
|                     | 6ES7 522-1BL00-0AB0        |
|                     | 6ES7 522-1BL01-0AB0        |
| Controller          | ALLEN-BRADLEY ControlLogix |
| - suitable I/O card | 1756-IB32                  |
|                     | 1756-OB32                  |
|                     | 1756-IN16                  |
|                     | 1756-IB16                  |
|                     | 1756-IC16                  |
|                     | 1756-OB16E                 |
| Controller          | ALLEN-BRADLEY PLC 5        |
| - suitable I/O card | 1771 IBN                   |
|                     | 1771 OBN                   |

## Passive module - FLKM 14/8M/SI/PLC - 2294487

### Technical data

#### Supported controller

|                     |  |
|---------------------|--|
| Controller          | ALLEN-BRADLEY SLC 500                  |
| - suitable I/O card | 1746 OB 32                             |
|                     | 1746 OV 32                             |
|                     | 1746 IB 32                             |
|                     | 1746 IV 32                             |
| Controller          | HONEYWELL Experion PKS C200            |
| - suitable I/O card | TC-IDD 321                             |
|                     | TC-ODD 321                             |
| Controller          | Schneider Electric Modicon TSX QUANTUM |
| - suitable I/O card | DDI 353                                |
|                     | DDI 853                                |
|                     | DAI 453                                |
|                     | DDO 353                                |
| Controller          | MITSUBISHI MELSEC Q                    |
| - suitable I/O card | QX81                                   |
|                     | QY81P                                  |
|                     | QX41                                   |
|                     | QX41-S1                                |
|                     | QX42                                   |
|                     | QX42-S1                                |
|                     | QX71                                   |
|                     | QX72                                   |
|                     | QY41P                                  |
|                     | QY42P                                  |
|                     | QY71                                   |
|                     | QH42P                                  |
|                     | QX82                                   |
|                     | QX82-S1                                |
|                     | QY82P                                  |
| Controller          | SIEMENS S7-300 / ET 200 M              |
| - suitable I/O card | CPU 313C-2DP                           |
|                     | CPU 314C-2DP                           |
|                     | CPU 314C-2PtP                          |
|                     | 6ES7 321-1BH02-0AA0                    |
|                     | 6ES7 321-1BL00-0AA0                    |
|                     | 6ES7 322-1BH01-0AA0                    |
|                     | 6ES7 322-1BL00-0AA0                    |
|                     | 6ES7 323-1BH01-0AA0                    |
|                     | 6ES7 323-1BL00-0AA0                    |
|                     | 6ES7 321-1BH10-0AA0                    |

## Passive module - FLKM 14/8M/SI/PLC - 2294487

### Technical data

#### Supported controller

|                     |                     |
|---------------------|---------------------|
|                     | 6ES7 322-1BH10-0AA0 |
|                     | CPU 313C            |
|                     | CPU 313C-2PtP       |
| Controller          | ABB S800 I/O        |
| - suitable I/O card | DO810               |
|                     | DO840               |
| Controller          | GE-FANUC RX3i       |
| - suitable I/O card | IC694MDL754         |
|                     | IC694MDL660         |
| Controller          | MITSUBISHI MELSEC L |
| - suitable I/O card | LX41C4              |
|                     | LX42C4              |
|                     | LY41NT1P            |
|                     | LY42NT1P            |
|                     | LY41PT1P            |
|                     | LY42PT1P            |

#### Standards and Regulations

|                                  |                       |
|----------------------------------|-----------------------|
| Connection in acc. with standard | CUL                   |
| Standards/regulations            | DIN EN 50178          |
|                                  | IEC 60664             |
| Rated insulation voltage         | 63 V                  |
| Rated surge voltage              | 0.6 kV                |
| Insulation                       | Functional insulation |
| Degree of pollution              | 2                     |
| Overvoltage category             | II                    |

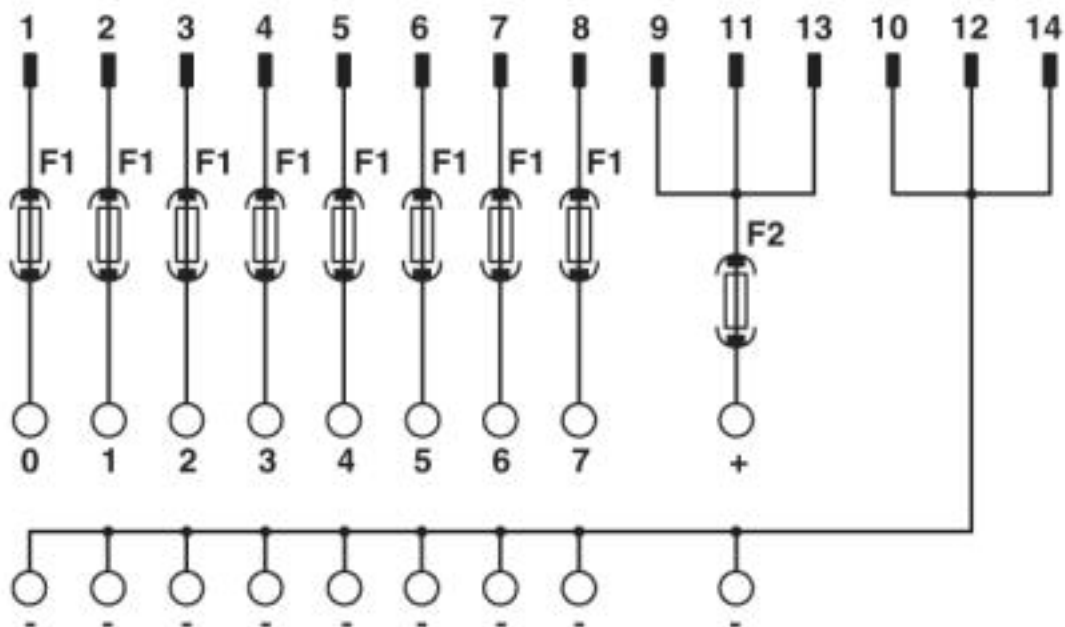
#### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

# Passive module - FLKM 14/8M/SI/PLC - 2294487

Circuit diagram



Connection scheme: FLKM 14/8M/SI/PLC

## Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized


Ex Approvals


## Approval details

|                    |       |   |               |
|--------------------|-------|---|---------------|
| UL Recognized      |       | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
| Nominal voltage UN | 125 V |   |               |
| Nominal current IN | 1 A   |   |               |

## Passive module - FLKM 14/8M/SI/PLC - 2294487

### Approvals

|                    |   |   |               |
|--------------------|---|---|---------------|
| cUL Recognized     |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
| Nominal voltage UN |   | 125 V   |               |
| Nominal current IN |   | 1 A   |               |

|     |   |                          |
|-----|---|--------------------------|
| EAC |  | RU C-<br>DE.A*30.B.01742 |
|-----|---|--------------------------|

|                  |   |
|------------------|---|
| cULus Recognized |  |
|------------------|---|

Phoenix Contact 2019 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>