

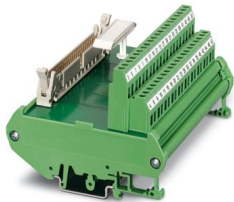
# FLKM 50/S5/A-S115 - Passive module



2288642

<https://www.phoenixcontact.com/us/products/2288642>

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VARIOFACE interface module, for analog I/Os of the SIMATIC® S5-115U, with SIMATIC®-specific labeling, for I/O of 32 channels

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2288642                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C421                           |
| Product key                          | DK218S                         |
| GTIN                                 | 4017918057121                  |
| Weight per piece (including packing) | 238.2 g                        |
| Weight per piece (excluding packing) | 238.2 g                        |
| Customs tariff number                | 85369010                       |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

|                     |                       |
|---------------------|-----------------------|
| Product type        | Interface module      |
| Product family      | VARIOFACE             |
| Number of positions | 50                    |
| 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 (DC)            | ≤ 60 V DC |
| Current (per branch)              | ≤ 1 A     |
| Current (Voltage supply per byte) | ≤ 2 A     |

#### Air clearances and creepage distances

|                          |                    |
|--------------------------|--------------------|
| Rated insulation voltage | 63 V               |
| Rated surge voltage      | 0.6 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              | 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                                                     | 40                                                     |
| 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) |

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|                             |                   |
|-----------------------------|-------------------|
| 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  | 113 mm |
| Height | 90 mm  |
| Depth  | 68 mm  |

## Material specifications

|                             |                     |
|-----------------------------|---------------------|
| Color                       | green (RAL 6021)    |
| Housing insulation material | Polyamide 6.6 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 instructions of the respective third-party manufacturer must also be met. |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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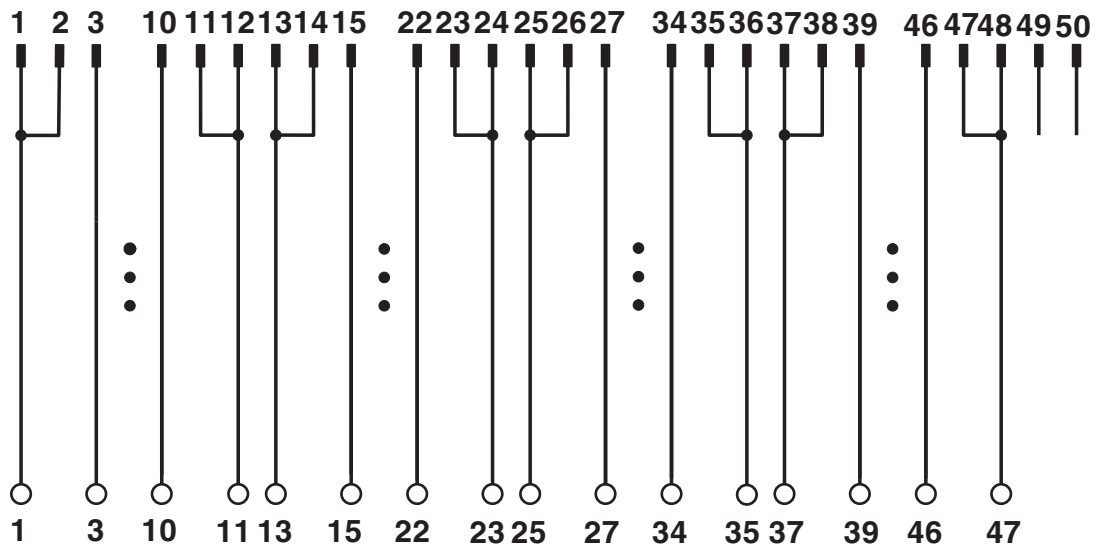


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## Drawings

Circuit diagram



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## Classifications

### ECLASS

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

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC002780 |
|----------|----------|

### UNSPSC

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

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## 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%               |

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