

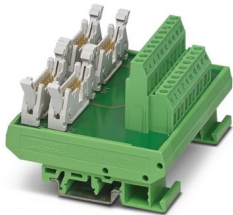
# FLKM-4FLK14/DI/S7-321/PLC - Passive module



2905691

<https://www.phoenixcontact.com/us/products/2905691>

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VARIOFACE interface module for Siemens SIMATIC® S7-300 (6AG1321-7BH01-2AB0), redundant system connector (FLK), with SIMATIC®-specific marking (1 - 20), screw connection, module width: 90 mm

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2905691                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C429                           |
| Product key                          | DK2A81                         |
| GTIN                                 | 4046356987042                  |
| Weight per piece (including packing) | 175 g                          |
| Weight per piece (excluding packing) | 175 g                          |
| Customs tariff number                | 85369010                       |
| Country of origin                    | DE                             |

## Technical data

### Product properties

|                |                  |
|----------------|------------------|
| Product type   | Interface module |
| Product family | VARIOFACE        |

#### Insulation characteristics: Air clearances and creepage distances

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

### Electrical properties

|                                   |           |
|-----------------------------------|-----------|
| Operating voltage (DC)            | ≤ 30 V DC |
| Current (per branch)              | ≤ 0.5 A   |
| Current (Voltage supply per byte) | ≤ 1.5 A   |

#### Air clearances and creepage distances

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

#### Supported controller: SIEMENS S7-300

|                   |                    |
|-------------------|--------------------|
| Suitable I/O card | 6AG1321-7BH01-2AB0 |
|-------------------|--------------------|

### Connection data

#### Connection 1 (control level)

|                                  |                   |
|----------------------------------|-------------------|
| Connection in acc. with standard | IEC 60603-13      |
| Connection method                | IDC/FLK pin strip |
| Number of connections            | 4                 |
| Number of positions              | 14                |
| 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                                                     | 20                                                                             |
| 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)     |
| Conductor cross-section flexible (2 conductors with same cross section) | 0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>                                    |
|                                                                         | 0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (Ferrule without plastic sleeve) |

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|                             |                                                                                |
|-----------------------------|--------------------------------------------------------------------------------|
|                             | 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  | 90 mm   |
| Height | 77 mm   |
| Depth  | 57.5 mm |

## Material specifications

|       |                  |
|-------|------------------|
| Color | green (RAL 6021) |
|-------|------------------|

## 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         |

## 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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## Classifications

### ECLASS

ECLASS-13.0

27141152

### 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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