# FLKM 2X14-PA/25/S7-1500 - Front adapter

1089345

https://www.phoenixcontact.com/us/products/1089345

**PHŒNIX CONTACT**

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VARIOFACE front adapter, for SIMATIC® S7-1500 digital 25 mm modules, 2 x 8 channels can be connected. The front adapters are plugged into the front connectors on the I/O modules, and once plugged in they can can no longer be separated.

## Commercial data

| | |
|---|---|
| Item number | 1089345 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | C421 |
| Product key | CK2117 |
| GTIN | 4055626892375 |
| Weight per piece (including packing) | 37.7 g |
| Weight per piece (excluding packing) | 50 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

## Technical data

### Product properties

| | |
|---|---|
| Product type | Front adapter |
| Product family | VARIOFACE |

### Insulation characteristics

| | |
|---|---|
| Insulation | Functional insulation |

### Insulation characteristics: Air clearances and creepage distances

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

### Electrical properties

| | |
|---|---|
| Operating voltage (DC) | ≤ 60 V DC |
| Nominal operating mode | 100% operating factor |
| Current (per branch) | ≤ 1 A |
| Current (per byte) | ≤ 2 A |

### Air clearances and creepage distances

| | |
|---|---|
| Rated insulation voltage | 63 V |
| Rated surge voltage | 0.6 kV (1.2/50 µs) |

### Supported controller SIEMENS S7-1500

| | |
|---|---|
| Suitable I/O card | 6ES7521-1BH10-0AA0 |
| | 6ES7522-1BH10-0AA0 |

### Connection data

#### Connection 1 (control level)

| | |
|---|---|
| Connection method | Plug-in connection |
| Number of connections | 1 |
| Number of positions | 24 |

#### Connection 2 (field level)

| | |
|---|---|
| Connection in acc. with standard | IEC 60603-13 |
| Connection method | IDC/FLK pin strip |
| Number of connections | 2 |
| Number of positions | 14 |
| Insertion/withdrawal cycles | > 50 |
| Pitch | 2.54 mm |

### Dimensions

#### Item dimensions

| | |
|---|---|
| Width | 13 mm |

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| Height | 118.56 mm |
|---|---|
| Depth | 27.75 mm |

## Environmental and real-life conditions

Ambient conditions

| Degree of protection (Module) | IP20 |
|---|---|
| Degree of protection (Installation location) | ≥ IP54 |
| Ambient temperature (operation) | -20 °C ... 60 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |
| Altitude | ≤ 2000 m |

## Approvals

UL, USA/Canada

| Identification | UL 508 Recognized |
|---|---|

## Standards and regulations

Air clearances and creepage distances

| Standards/regulations | EN IEC 60664-1 |
|---|---|

## Mounting

| Mounting type | Plug-in mounting |
|---|---|
| Mounting position | any |

## Notes

| General | 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-12.0 | 27242292 |
| ECLASS-13.0 | 27242292 |
| ECLASS-11.0 | 27242292 |

### ETIM

| | |
|---|---|
| ETIM 9.0 | EC002584 |

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 32151600 |

## Environmental product compliance

| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| --- | --- |
| | No hazardous substances above threshold values |