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

1089345

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

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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 |
| Note | Made to order (non-returnable) |
| Sales key | C421 |
| Product key | DK231S |
| 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: 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 |
| 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

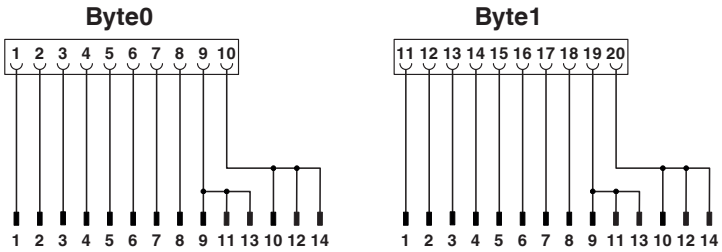
| | |
|---|---|
| Mounting type | Plug-in mounting |
| Mounting position | any |

## Notes

| | |
|---|---|
| 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. |

## Drawings

Circuit diagram



## Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1089345

**UL Listed**
Approval ID: E238705

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## Classifications

### ECLASS

| | |
|---|---|
| ECLASS-13.0 | 27242292 |
| ECLASS-15.0 | 27242292 |

### ETIM

| | |
|---|---|
| ETIM 10.0 | EC002584 |

### UNSPSC

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

## 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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