

FLKM 14-PA-ET200SP - Front adapter

1166173

<https://www.phoenixcontact.com/us/products/1166173>

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VARIOFACE front adapter for Siemens SIMATIC® ET200SP, with a 14-pos. FLK/IDC male strip, max. 8 channels can be connected

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1166173 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | C421 |
| Product key | DK231S |
| GTIN | 4063151180829 |
| Weight per piece (including packing) | 27.7 g |
| Weight per piece (excluding packing) | 35 g |
| Customs tariff number | 85366990 |
| Country of origin | DE |

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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 (Voltage supply via IDC/FLK) | ≤ 3 A |
| Current (Voltage supply via Push-in connection) | ≤ 8 A |

Air clearances and creepage distances

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

Supported controller: SIEMENS ET 200SP

| | |
|---------------------|---------------------------------------|
| Suitable base unit | 6ES7193-6BP00-0BA0 |
| | 6ES7193-6BP00-2BA0 |
| | 6ES7193-6BP00-0DA0 |
| | 6ES7193-6BP00-2DA0 |
| Suitable I/O module | 6ES7131-6BF01-0BA0 (Base Units A0/A1) |
| | 6ES7131-6BF01-2BA0 (Base Units A0/A1) |
| | 6ES7131-6BF01-0AA0 (Base Units A0/A1) |
| | 6ES7131-6BF01-2AA0 (Base Units A0/A1) |
| | 6ES7131-6BF60-0AA0 (Base Units A0/A1) |
| | 6ES7131-6BF00-0CA0 (Base Units A0/A1) |
| | 6ES7131-6BF00-0DA0 (Base Units A0/A1) |
| | 6ES7132-6BF01-0BA0 (Base Units A0/A1) |
| | 6ES7132-6BF01-2BA0 (Base Units A0/A1) |
| | 6ES7132-6BF01-0AA0 (Base Units A0/A1) |
| | 6ES7132-6BF01-2AA0 (Base Units A0/A1) |
| | 6ES7132-6BF61-0AA0 (Base Units A0/A1) |
| | 6ES7132-6BF01-0CA0 (Base Units A0/A1) |

Connection data

Connection 1 (control level)

| | |
|-------------------|--------------------|
| Connection method | Plug-in connection |
|-------------------|--------------------|

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| | |
|-----------------------|----|
| Number of connections | 1 |
| Number of positions | 18 |

Connection 2 (field level)

| | |
|----------------------------------|-------------------|
| Connection in acc. with standard | IEC 60603-13 |
| Connection method | IDC/FLK pin strip |
| Number of connections | 1 |
| Number of positions | 14 |
| Insertion/withdrawal cycles | > 50 |
| Pitch | 2.54 mm |

Connection 3 (supply)

| | |
|----------------------------------|---|
| Connection method | Push-in spring connection |
| Stripping length | 9 mm |
| Number of connections | 1 |
| Number of positions | 2 |
| Conductor cross-section rigid | 0.14 mm ² ... 1.5 mm ² |
| Conductor cross-section flexible | 0.14 mm ² ... 1.5 mm ² |
| | 0.25 mm ² ... 1.5 mm ² (Ferrule without plastic sleeve) |
| | 0.25 mm ² ... 0.75 mm ² (Ferrule with plastic sleeve) |
| Conductor cross-section AWG | 26 ... 16 |
| Pitch | 3.81 mm |

Dimensions

Item dimensions

| | |
|--------|----------|
| Width | 14.9 mm |
| Height | 52.95 mm |
| Depth | 48.99 mm |

Environmental and real-life conditions

Ambient conditions

| | |
|--|------------------|
| Degree of protection (Module) | IP00 |
| 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

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

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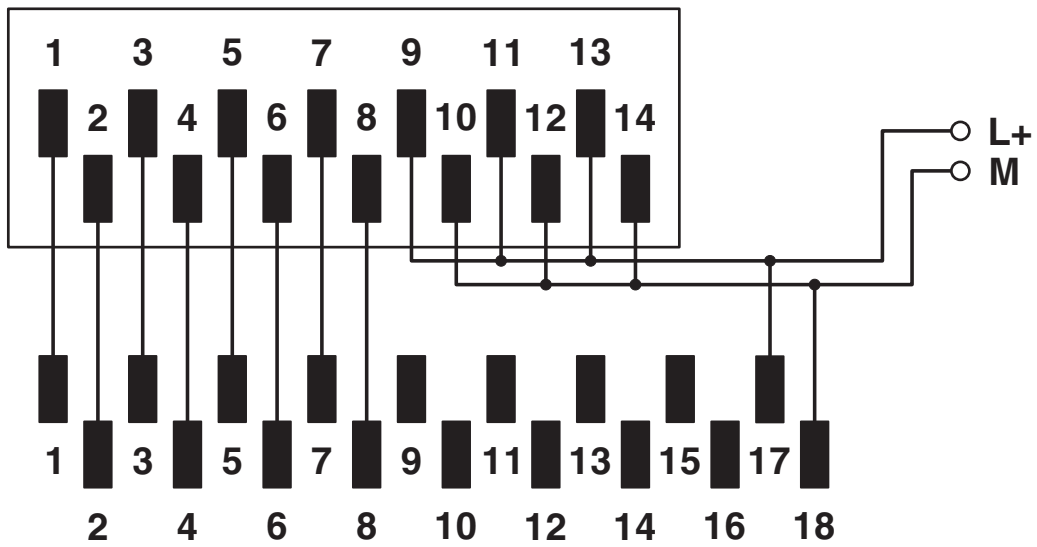


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Drawings

Circuit diagram



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Approvals

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UL Listed

Approval ID: E238705



cUL Listed

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Classifications

ECLASS

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

ETIM

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

UNSPSC

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

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Environmental product compliance

EU RoHS

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|---|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|---|--------------------|

China RoHS

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|--|--|
| 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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