

## Front adapters - VIP-PA-FLK50/4X14/ 4,0M/S7 - 2322605

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VIP VARIOFACE front adapter, with connected system cables for SMATIC S7-300, 4 x 8 channels can be connected, cable length: 4 m

### Your advantages

- ✓ Can be screwed on with the I/O module
- ✓ Power supply via terminal blocks with spring-cage double connection
- ✓ Encapsulated socket strips on the module side

RoHS

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 046356 452342 |
| GTIN         | 4046356452342                                                                                           |

### Technical data

#### Note

| Type of note | Notes on operation                                                                                                                             |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Note         | Analog I/O cards<br>To avoid short-circuits, all wire bridges must be disconnected!<br>No voltage supply may be supplied to the front adapter! |
| Type of note | Notes on operation                                                                                                                             |
| Note         | Digital I/O cards<br>Thanks to the existing wire bridge upon delivery, the input and output bytes are non-isolated.                            |

### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Ambient temperature (operation)         | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |
| Degree of protection                    | IP20             |

### General

|                                    |         |
|------------------------------------|---------|
| Max. permissible operating voltage | 25 V AC |
|------------------------------------|---------|

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## Technical data

### General

|                          |                             |
|--------------------------|-----------------------------|
|                          | 60 V DC                     |
| Max. permissible current | 1 A (per path)              |
|                          | 8 A (Separate power supply) |
| Mounting position        | any                         |

### Standards and Regulations

|                                  |                       |
|----------------------------------|-----------------------|
| Connection in acc. with standard | CUL                   |
| Standards/regulations            | IEC 60664             |
|                                  | DIN EN 50178          |
| Rated insulation voltage         | 63 V                  |
| Rated surge voltage              | 0.6 kV                |
| Insulation                       | Functional insulation |
| Pollution degree                 | 2                     |
| Overvoltage category             | II                    |

### Connection data

|                   |                                         |
|-------------------|-----------------------------------------|
| Connection name   | Control side                            |
| Connection method | Plug connection                         |
| Note              | Can be plugged onto 40-pos. I/O modules |

### Connection data 2

|                       |                      |
|-----------------------|----------------------|
| Connection name       | Field level          |
| Connection method     | IDC/FLK socket strip |
| Number of connections | 4                    |
| Number of positions   | 14                   |
| Pitch                 | 2.54 mm              |

### Connection data 3

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Connection name                  | Supply                                      |
| Connection method                | Push-in connection                          |
| Stripping length                 | 10 mm                                       |
| Conductor cross section solid    | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross section flexible | 0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross section AWG      | 24 ... 14                                   |

### Cable

|                                               |                      |
|-----------------------------------------------|----------------------|
| Conductor construction: Number of litz wires: | 7                    |
| Single wire, material                         | Cu tin-plated        |
| Single wire, cross section                    | 0.14 mm <sup>2</sup> |
| External diameter                             | 6.4 mm               |
| Length of cable                               | 4 m                  |
| Shielding                                     | no                   |
| Halogen-free cable                            | No                   |

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### Technical data

#### Cable

|                           |                  |
|---------------------------|------------------|
| Max. conductor resistance | 0.16 $\Omega$ /m |
|---------------------------|------------------|

#### Supported controller

|                     |                           |
|---------------------|---------------------------|
| Controller          | SIEMENS S7-300 / ET 200 M |
| - suitable I/O card | CPU 313C                  |
|                     | CPU 313C-2PtP             |
|                     | CPU 313C-2DP              |
|                     | CPU 314C-2PtP             |
|                     | CPU 314C-2DP              |
|                     | 6ES7 321-1BL00-0AA0       |
|                     | 6ES7 322-1BL00-0AA0       |
|                     | 6ES7 322-8BH01-0AB0       |
|                     | 6ES7 322-8BH10-0AB0       |
|                     | 6ES7 323-1BL00-0AA0       |
|                     | 6ES7 331-7NF00-0AB0       |
|                     | 6ES7 331-7NF10-0AB0       |
|                     | 6ES7 331-7PF01-0AB0       |
|                     | 6ES7 331-7PF11-0AB0       |
|                     | 6ES7 350-2AH01-0AE0       |
|                     | 6ES7 357-4AH01-0AE0       |
|                     | 6ES7 331-1KF02-0AB0       |

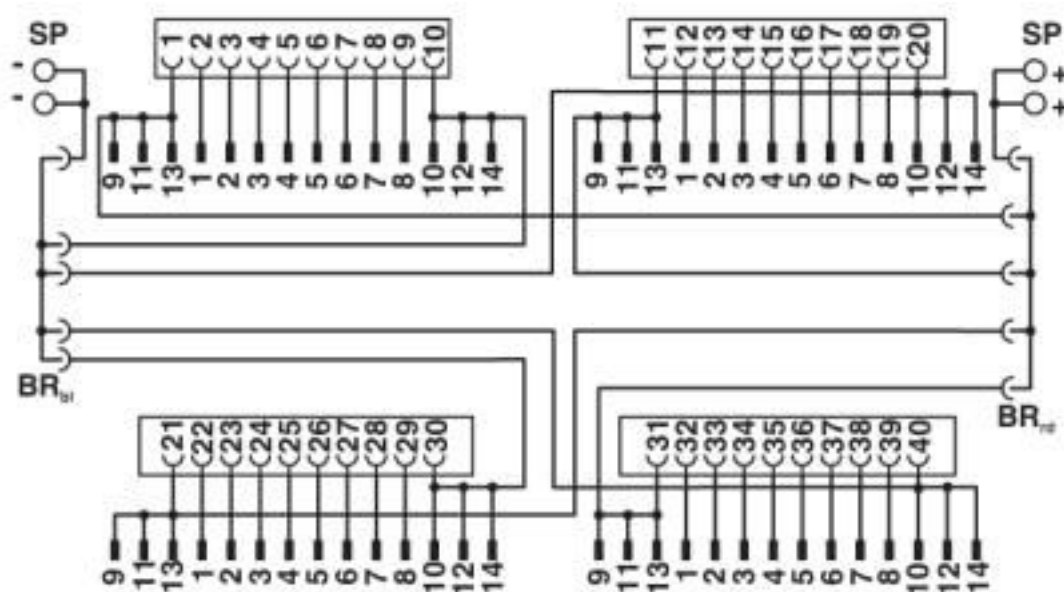
#### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50 years                                                      |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

### Drawings

## Front adapters - VIP-PA-FLK50/4X14/ 4,0M/S7 - 2322605

Circuit diagram



### Classifications

#### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27242292 |
| eCl@ss 4.0    | 27060300 |
| eCl@ss 4.1    | 27060300 |
| eCl@ss 5.0    | 27061800 |
| eCl@ss 5.1    | 27061800 |
| eCl@ss 6.0    | 27249200 |
| eCl@ss 7.0    | 27249290 |
| eCl@ss 8.0    | 27249290 |
| eCl@ss 9.0    | 27242292 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002584 |
| ETIM 5.0 | EC002584 |
| ETIM 6.0 | EC002584 |
| ETIM 7.0 | EC002584 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 26121620 |
| UNSPSC 7.0901 | 26121620 |
| UNSPSC 11     | 26121620 |
| UNSPSC 12.01  | 26121620 |
| UNSPSC 13.2   | 32151601 |
| UNSPSC 18.0   | 32151601 |

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### Classifications

#### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 19.0 | 32151601 |
| UNSPSC 20.0 | 32151601 |
| UNSPSC 21.0 | 32151601 |

### Approvals

#### Approvals

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UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

### Approval details

|                    |  |                                                                                     |                                                                                                                                                       |               |
|--------------------|--|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Recognized      |  |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
|                    |  |                                                                                     |                                                                                                                                                       |               |
| Nominal voltage UN |  | 50 V                                                                                |                                                                                                                                                       |               |
| Nominal current IN |  | 1 A                                                                                 |                                                                                                                                                       |               |

|                    |  |                                                                                     |                                                                                                                                                       |               |
|--------------------|--|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| cUL Recognized     |  |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
|                    |  |                                                                                     |                                                                                                                                                       |               |
| Nominal voltage UN |  | 50 V                                                                                |                                                                                                                                                       |               |
| Nominal current IN |  | 1 A                                                                                 |                                                                                                                                                       |               |

|     |                                                                                     |                         |
|-----|-------------------------------------------------------------------------------------|-------------------------|
| EAC |  | RU C-<br>DE.A*30.B00767 |
|-----|-------------------------------------------------------------------------------------|-------------------------|

|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
| cULus Recognized |  |
|------------------|-------------------------------------------------------------------------------------|

### Accessories

#### Accessories

#### Controller board

## Front adapters - VIP-PA-FLK50/4X14/ 4,0M/S7 - 2322605

### Accessories

Passive module - VIP-2/SC/2FLK14 (1-20) /S7 - 2315230



VARIOFACE interface module for Siemens SIMATIC® S7-300, for max. 16 channels with SIMATIC®-specific labeling (1 - 20), with screw connection, module width: 80.6 mm

Passive module - VIP-2/PT/2FLK14 (1-20) /S7 - 2903802



VARIOFACE interface module for Siemens SIMATIC® S7-300, for max. 16 channels with SIMATIC®-specific labeling (1 - 20), with push-in connection, module width: 82.5 mm

Passive module - FLKM-2FLK14/KDS3-MT/PPA/S7 - 2295062



VARIOFACE interface module for Siemens SIMATIC® S7-300, for max. 16 channels, with SIMATIC®-specific labeling (1 - 20), knife disconnect terminal block and test connection, module width: 113 mm

System connection - PLC-V8/FLK14/OUT - 2295554



V8 adapter for 8 x PLC-INTERFACE (6.2 mm), controller: PLC system cabling of output cards, connection 1: Screw connection 1x, connection 2: IDC/FLK pin strip 1x 14-position, connection 3: Plug connection (Can be snapped onto 8x PLC-INTERFACE terminals), number of channels: 8, control logic: positive switching

System connection - PLC-V8/FLK14/IN - 2296553



V8 adapter for 8 x PLC-INTERFACE (6.2 mm), controller: PLC system cabling of input cards, connection 1: Screw connection 1x, connection 2: IDC/FLK pin strip 1x 14-position, connection 3: Plug connection (Can be snapped onto 8x PLC-INTERFACE terminals), number of channels: 8, control logic: positive switching

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### Accessories

System connection - PLC-V8L/FLK14/OUT - 2299660



V8 adapter for 8 x PLC-INTERFACE (14 mm), controller: PLC system cabling of output cards, connection 1: Screw connection 1x, connection 2: IDC/FLK pin strip 1x 14-position, connection 3: Plug connection (Can be snapped onto 8x PLC-INTERFACE terminals), number of channels: 8, control logic: positive switching

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Passive module - VIP-3/SC/FLK14/8IM/PLC - 2322278



VARIOFACE sensor module, for connecting 8 pnp sensors

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Passive module - VIP-3/PT/FLK14/8IM/PLC - 2904282



VARIOFACE sensor module, with push-in connection, for connecting 8 pnp sensors

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### Marker carrier cable

Cable marker carrier - KME - 0807083



Cable marker carrier, white, unlabeled, mounting type: Assembly with cable binders, cable diameter: > 5 mm, lettering field size: 20 mm x 8 mm

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