

Front adapters - FLKM 50-PA-S400 - 2294500

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VARIOFACE front adapter, for Siemens SIMATIC® S7-400, 1x 32 channels can be connected

Your advantages

- ✔ Transmission of a maximum of 32 digital channels via a 50-pos. system cable



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 2 pc |
| GTIN | |
| GTIN | 4017918129750 |

Technical data

Note

| Type of note | Notes on operation |
|--------------|---|
| Note | For I/O cards 6ES7 421-1BL01-0AA0, 6ES7 422-1BL00-0AA0, and 6ES7 422-7BL00-0AB0: Thanks to the wire bridges that are supplied as standard, the input and output bytes are non-isolated. |
| Note | For I/O cards 6ES7 421-7BH01-0AB0 and 6ES7 421-7DH00-0AB0: Only operate in conjunction with VIP-2/SC/FLK50/S7/A-S400 (Order No. 2322359) or VIP-2/PT/FLK50/S7/A-S400 (Order No. 2904289). All wire bridges on the adapter must be disconnected. |
| Note | Do not connect adjacent channels to SELV/ PELV and voltages dangerous to the touch. |
| Note | No additional touch protection is required when using a SELV/PELV voltage (≤ 25 V AC or 60 V DC). |

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Technical data

Note

| | |
|------|--|
| Note | At least one functional insulation against adjacent modules is complied with (in the support rail direction). If the application has stricter requirements for the insulation (basic insulation or reinforced insulation), they must be realized by applying suitable measures (e. g. partition plates). |
|------|--|

Ambient conditions

| | |
|---|--------------------------------|
| Ambient temperature (operation) | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |
| Maximum altitude | ≤ 2000 m |
| Degree of protection | IP00 |
| | ≥ IP54 (Installation location) |

General

| | |
|------------------------------------|---|
| Max. permissible operating voltage | 25 V AC |
| | 60 V DC |
| Max. permissible current | 1 A (per path) |
| Max. permissible total current | 2 A (per byte) |
| | 8 A (With operating voltage feed-in via spade connection) |
| Mounting position | any |
| Assembly instructions | In rows with zero spacing |
| Nominal operating mode | 100% operating factor |

Standards and Regulations

| | |
|----------------------------------|---------------------------------------|
| Connection in acc. with standard | CUL |
| Designation | Air clearances and creepage distances |
| Standards/regulations | 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 | Controller level |
| Channels which can be connected | 32 |

Connection data 2

| | |
|-----------------------|-------------------|
| Connection name | Field level |
| Connection method | IDC/FLK pin strip |
| Number of connections | 1 |
| Number of positions | 50 |
| Pitch | 2.54 mm |

Supported controller

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Technical data

Supported controller

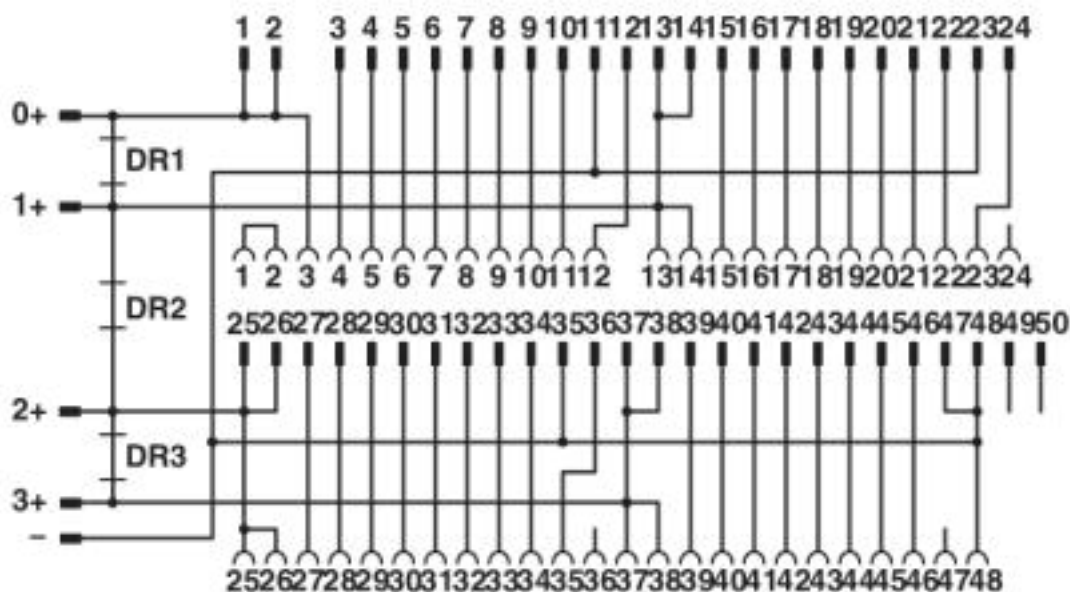
| | |
|---------------------|--|
| Controller | SIEMENS S7-400 |
| - suitable I/O card | 6ES7 421-1BL01-0AA0 |
| | 6ES7 422-1BL00-0AA0 |
| | 6ES7 422-7BL00-0AB0 |
| Controller | SIEMENS S7-400 |
| Note | Only in conjunction with VIP-2/SC/FLK50/S7/A-S400, Order No. 2322359 VIP-2/PT/FLK50/S7/A-S400, Order No. 2904289 all DR wire bridges on the adapter must be disconnected. |
| - suitable I/O card | 6ES7 421-7BH01-0AB0 |
| | 6ES7 421-7DH00-0AA0 |

Environmental Product Compliance

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

Drawings

Circuit diagram



Connection scheme FLKM 50-PA-S400

Classifications

eCl@ss

| | |
|---------------|----------|
| eCl@ss 10.0.1 | 27242292 |
| eCl@ss 4.0 | 27250300 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.1 | 27250300 |
| eCl@ss 5.0 | 27250300 |
| eCl@ss 5.1 | 27250300 |
| 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 | 30211824 |
| UNSPSC 7.0901 | 39121421 |
| UNSPSC 11 | 39121421 |
| UNSPSC 12.01 | 39121421 |
| UNSPSC 13.2 | 32151601 |
| UNSPSC 18.0 | 32151601 |
| UNSPSC 19.0 | 32151601 |
| UNSPSC 20.0 | 32151601 |
| UNSPSC 21.0 | 32151601 |

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

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Approvals

| | | | |
|--------------------|--|---|---------------|
| UL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 238705 |
| | | | |
| Nominal voltage UN | | 125 V | |
| Nominal current IN | | 0.5 A | |

| | | | |
|--------------------|--|---|---------------|
| cUL Recognized | | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 238705 |
| | | | |
| Nominal voltage UN | | 125 V | |
| Nominal current IN | | 0.5 A | |

| | | |
|-----|--|--------------------------|
| EAC | | RU C- DE.A*30.B.01742 |
|-----|--|--------------------------|

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

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