# VARIOFACE Front Adapters for SIMATIC®S7300 FLKM50...PA-S300

## Brief Description

VARIOFACE S7 front adapters were specifically designed for 32-channel SIMATIC® S7300 I/O modules. The front adapters are easily plugged into the 32-channel modules, thus enabling the conversion of the I/O board to a 50-pos. flat-ribbon cable male connector according to IEC 603-1/DIN 41 651.

Pre-assembled system cables* can now be connected directly to the I/O modules using these front adapters. VARIOFACE interface modules* for a variety of applications round off this system concept.

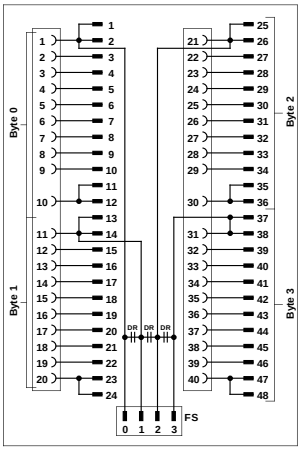
FLKM50-PA-S300 adapters provide a simple connection, which is protected against polarity reversal, between the communication system and the I/O modules for a maximum of 32 I/O signals using 50-pos. system cables. FLKM50/4-FLK14/PA-S300 front adapters are available for splitting 32 I/O signals into 4 x 8 channels.

Four FLK14/EZ-DR… system cables* and four 8-channel interface modules* are then required per I/O module.

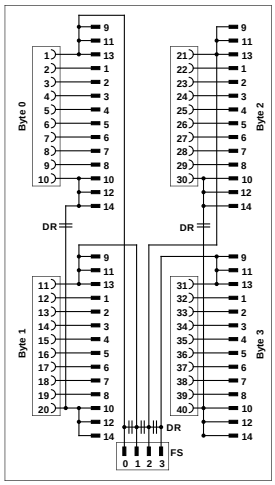
* For more detailed documentation on system cables and interface modules, please refer to the INTERFACE catalog.



**Connection Diagram**
**FLKM50-PA-S300**




**Connection Diagram**
**FLKM50/4-FLK14/PA-S300**




DR = Wire jumper
FS = Push-on connections

Headquarters: © Phoenix Contact GmbH & Co. KG • Flachsmarktstraße 8 • 32825 Blomberg • Germany
Tel. +49 - 52 35 - 3 00 • Fax +49 - 52 35 - 34 12 00 • www.phoenixcontact.com
Local Contact: www.phoenixcontact.com/salesnetwork



# FLKM50...PA-S300

Front adapters for Siemens SIMATIC® S7300,
32-channel I/O boards

**Comment:**
For pre-assembled cables, see Interface catalog
(observe the number of poles)

Flat-ribbon cable male connector according to IEC 603-1/DIN 41 651
Number of poles: 50 (FLKM50-PA-S300)
14 (FLKM50/4-FLK14/PA-S300)
Additional separate voltage supply via push-on connections
(2.8 x 0.8 mm [0.110 x 0.031 in.], DIN 46 249-1).

| Description | Type | Order No. | Pcs. / Pkt. |
|---|---|---|---|
| **VARIOFACE front adapter**, for<br>– SIMATIC® S7300, 1 x 32 channels can be connected<br>– SIMATIC® S7300, 4 x 8 channels can be connected | **FLKM50-PA-S300**<br>**FLKM50/4-FLK14/PA-S300** | **22 94 44 5**<br>**22 96 28 1** | 1<br>1 |

**Technical Data**

| | |
|---|---|
| Maximum permissible operating voltage | 60 V AC/DC |
| Maximum permissible current (per branch) | 1 A |
| Maximum permissible current (separate voltage supply) | 4 A per push-on connection |
| Test voltage (contact/contact) | 0.5 kV, 50 Hz, 60 s |
| Ambient temperature range | – 20°C to +50°C (-4˚F to +122˚F) |

**Standards and Regulations**

| | |
|---|---|
| Air and creepance distances | IEC 664/IEC 664 A/DIN VDE 0110; DIN VDE 0160 (in parts) |

## Front Adapters for I/O Modules for Siemens SIMATIC® S7300 Automation Equipment

| Board Type | FLKM50-PA-S300 |
|---|---|
| digital input | 6ES7 321-1BL00-0AA0 |
| digital output | 6ES7 322-1BL00-0AA0 |
| digital input/output | 6ES7 323-1BL00-0AA0 |
| analog Input | 6ES7 331-7PF00-0AB0*<br>6ES7 331-7PF10-0AB0*<br>6ES7 331-7NF00-0AB0*<br>6ES7 331-7NF10-0AB0* |
| CPU 314 IFM | 6ES7 314-5AE03-0AB0<br>6ES7 314-5AE10-0AB0 |
| other units | 6ES7 350-2AH00-0AE0*<br>6ES7 357-4AH01-0AE0*<br>6ES7 178-4BH00-0AE0* |

| Board Type | FLKM50/4-FLK14/PA-S300 |
|---|---|
| digital input | 6ES7 321-1BL00-0AA0 |
| digital output | 6ES7 322-1BL00-0AA0 |
| digital input/output | 6ES7 323-1BL00-0AA0 |
| CPU 314 IFM | 6ES7 314-5AE03-0AB0<br>6ES7 314-5AE10-0AB0 |

* Only in connection with FLKM50/1-40, Order No. 22 91 56 1.
All wire jumpers (DR) on the adapter should be cut.

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