

# FLKM 50/4-FLK14/PA-S300 - Front adapter



2296281

<https://www.phoenixcontact.com/us/products/2296281>

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Front adapter, 4 x 8 channels can be connected for SIMATIC S7-300, 14-pos.



## Commercial data

Item number	2296281
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	DK231S
GTIN	4017918190309
Weight per piece (including packing)	56.8 g
Weight per piece (excluding packing)	57.2 g
Customs tariff number	85369010
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 (AC)	≤ 30 V AC
Operating voltage (DC)	≤ 60 V DC
Nominal operating mode	100% operating factor
Current (per branch)	≤ 1 A
Current (Voltage supply via IDC/FLK)	≤ 2 A
Current (Voltage supply via spade 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 S7-300 / ET 200 M

Suitable I/O card	CPU 313C
	CPU 313C-2DP
	CPU 313C-2PtP
	CPU 314C-2DP
	CPU 314C-2PtP
	6ES7321-1BL00-0AA0
	6ES7322-8BH01-0AB0
	6ES7331-1KF02-0AB0
	6ES7322-1BL00-0AA0
	6ES7323-1BL00-0AA0
	6ES7331-1KF01-0AB0
	6ES7331-1KF02-0AB0
	6ES7331-7NF00-0AB0
	6ES7331-7NF10-0AB0
	6ES7331-7PF01-0AB0
	6ES7331-7PF11-0AB0
	6ES7332-5HF00-0AB0
	6ES7350-2AH01-0AE0
6ES7357-4AH01-0AE0	

## Connection data

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## Connection 1 (control level)

Connection method	Plug-in connection
Number of positions	40

## Connection 2 (field level)

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK pin strip
Number of connections	4
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

## Connection 3 (supply)

Connection method	Spade connection
Number of positions	4
Note	2,8 x 0,8

## Dimensions

### Item dimensions

Width	115.01 mm
Height	21.3 mm
Depth	29.29 mm

## Environmental and real-life conditions

### Ambient conditions

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

## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
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## 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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## Notes on operation

To prevent short circuits, all wire bridges on the following I/O cards are to be separated.

There may not be any voltage supply at the front adapter.

6ES7 331-1KF01-0AB0

6ES7 331-1KF02-0AB0

6ES7 331-7NF00-0AB0

6ES7 331-7NF10-0AB0

6ES7 331-7PF01-0AB0

6ES7 331-7PF11-0AB0

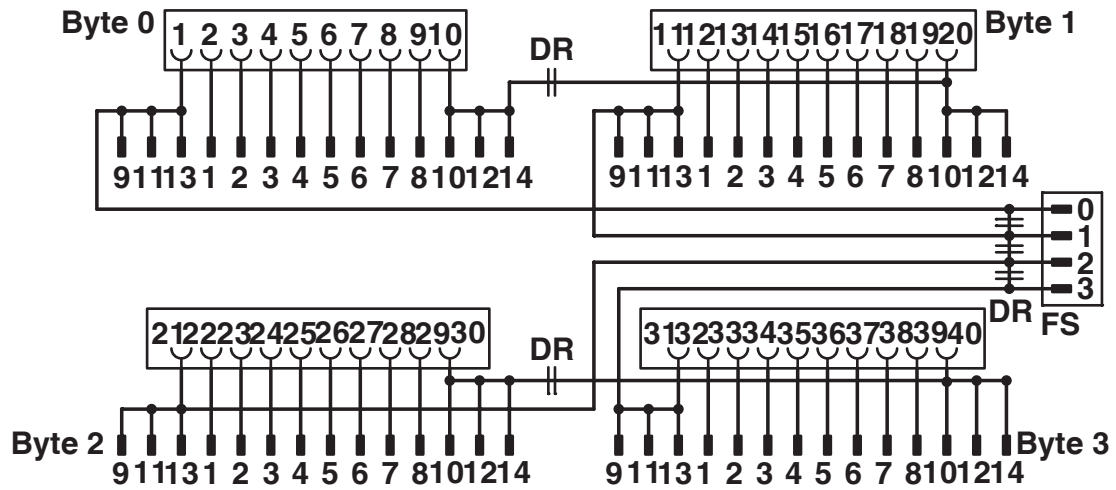
6ES7 332-5HF00-0AB0

6ES7 350-2AH01-0AE0

6ES7 357-4AH01-0AE0

## Drawings

Circuit diagram



Connection scheme FLKM 50/4-FLK14/PA-S300

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2296281>

 <b>cUL Recognized</b> Approval ID: E238705				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
keine				
	125 V	1 A	-	-

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## Classifications

### ECLASS

ECLASS-13.0	27242292
ECLASS-15.0	27242292

### ETIM

ETIM 10.0	EC002584
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### UNSPSC

UNSPSC 21.0	32151600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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