FLKM 50-PA-S300 - Front adapter

2294445

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VARIOFACE front adapter, for Siemens SIMATIC® S7-300, 1x 32 channels can be connected

Commercial data

Item number	2294445
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	DK231S
GTIN	4017918129767
Weight per piece (including packing)	54 g
Weight per piece (excluding packing)	30.8 g
Customs tariff number	85369010
Country of origin	DE

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 312C
	CPU 313C
	CPU 313C-2DP
	CPU 313C-2PtP
	CPU 314C-2DP
	CPU 314C-2PtP
	6ES7321-1BL00-0AA0
	6ES7322-8BH01-0AB0
	6ES7322-1BL00-0AA0
	6ES7322-8BH10-0AB0
	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

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	1
Number of positions	50
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	29.09 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

Mounting

Mounting type	Plug-in mounting
Mounting position	any

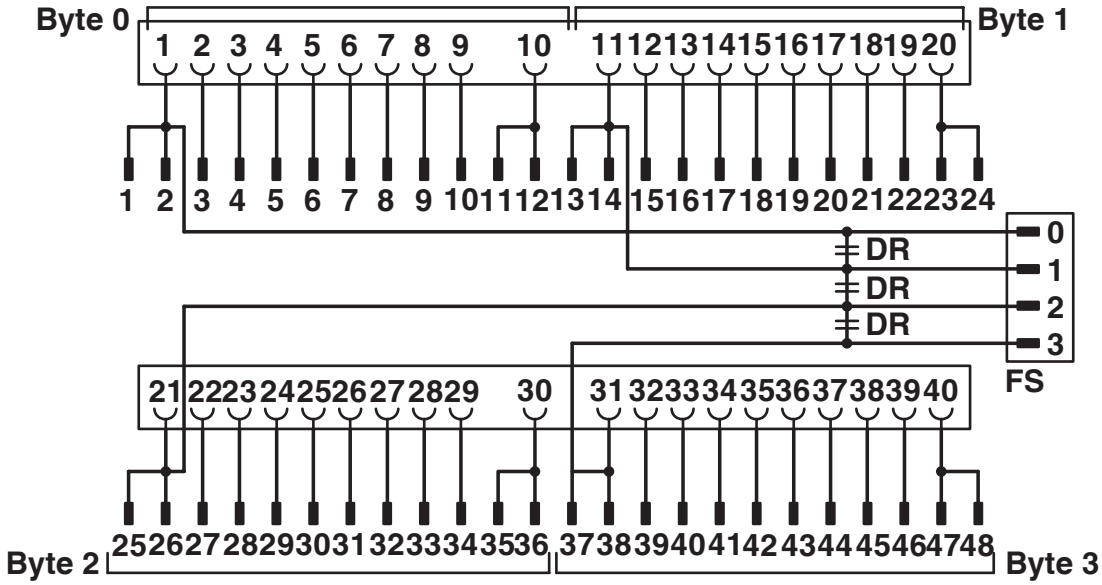
Notes

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.
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
Notes on operation	Digital I/O cards Thanks to the existing wire bridge upon delivery, the input and output bytes are non-isolated.

Drawings

Circuit diagram



Connection scheme FLKM 50-PA-S300

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2294445

cUL Recognized
Approval ID: E238705

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section 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

UNSPSC

UNSPSC 21.0	32151600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions

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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