FLKM 50-PA-S400 - Front adapter

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

Commercial data

Item number	2294500
Packing unit	2 pc
Minimum order quantity	2 pc
Sales key	C421
Product key	DK231S
GTIN	4017918129750
Weight per piece (including packing)	198.855 g
Weight per piece (excluding packing)	198.47 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 S7-400

Suitable I/O card	6ES7421-1BL01-0AA0
	6ES7422-1BL00-0AA0
	6ES7422-7BL00-0AB0

Supported controller: SIEMENS S7-400

Note	Only in conjunction with VIP-2/SC/FLK50/S7/A-S400, Item No. 2322359 VIP-2/PT/FLK50/S7/A-S400, Item No. 2904289 all DR wire bridges on the adapter must be disconnected.
Suitable I/O card	6ES7421-7BH01-0AB0
	6ES7421-7DH00-0AA0

Connection data

Connection 1 (control level)

Connection method	Plug-in connection
Number of positions	48

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	5
Note	2,8 x 0,8

Dimensions

Item dimensions

Width	24.2 mm
Height	273.5 mm
Depth	67.6 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

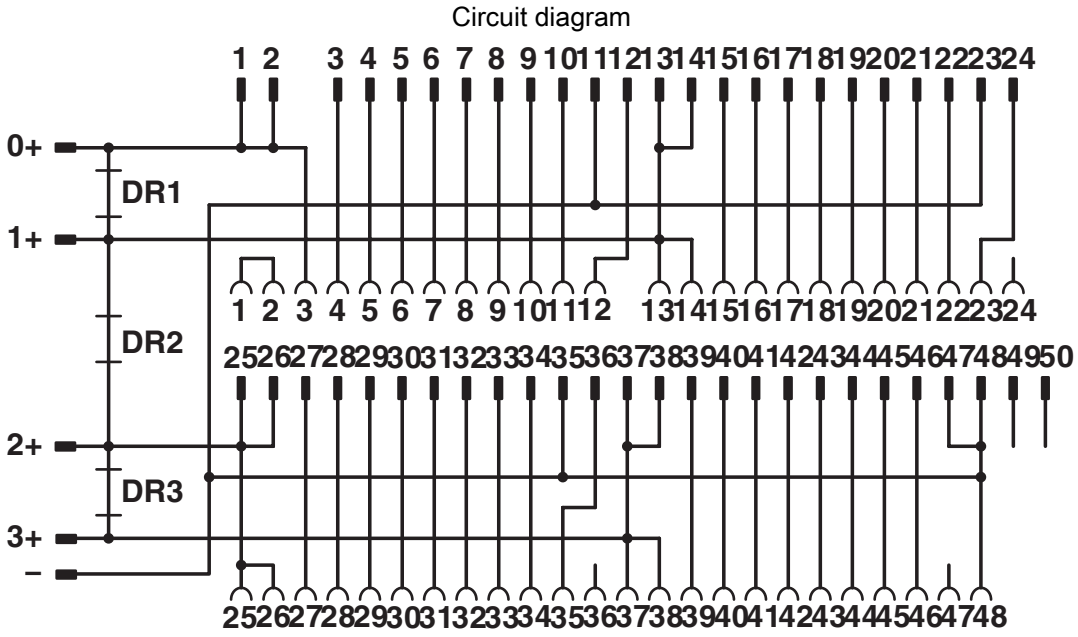
Mounting

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	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.
Notes on operation	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 (Item No. 2322359) or VIP-2/PT/FLK50/S7/A-S400 (Item No. 2904289). All wire bridges on the adapter must be disconnected.

Drawings



Connection scheme FLKM 50-PA-S400

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2294500

cUL Recognized
Approval ID: E238705

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	125 V	0.5 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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