

# VIP-PA-FLK50-4X14-S7/... - Front adapter



2900886

<https://www.phoenixcontact.com/pc/products/2900886>

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VIP VARIOFACE front adapter, with connected system cables for SMATIC S7-300, 4 x 8 channels can be connected, cable length: variable

## Your advantages

- Can be screwed on with the I/O module
- Power supply via terminal blocks with spring-cage double connection
- Encapsulated socket strips on the module side

## Commercial data

Item number	2900886
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	CK2317
Catalog page	Page 501 (C-5-2019)
Customs tariff number	85444290
Country of origin	DE

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## Technical data

### Product properties

Product type	Front adapter
Product family	VARIOFACE Professional

### Insulation characteristics

Insulation	Functional insulation
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### 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
Current (per branch)	≤ 1 A
Current (Voltage supply)	≤ 8 A
Current (per byte)	≤ 2 A

### Air clearances and creepage distances

Rated insulation voltage	63 V
Rated surge voltage	0.6 kV

### Supported controller SIEMENS S7-300 / ET 200 M

Suitable I/O card	CPU 313C
	CPU 313C-2PtP
	CPU 313C-2DP
	CPU 314C-2PtP
	CPU 314C-2DP
	6ES7321-1BL00-0AA0
	6ES7322-1BL00-0AA0
	6ES7322-8BH01-0AB0
	6ES7322-8BH10-0AB0
	6ES7323-1BL00-0AA0
	6ES7331-7NF00-0AB0
	6ES7331-7NF10-0AB0
	6ES7331-7PF01-0AB0
	6ES7331-7PF11-0AB0
	6ES7350-2AH01-0AE0
	6ES7357-4AH01-0AE0
6ES7331-1KF02-0AB0	

### Connection data

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## Connection 1 (control level)

Connection method	Plug-in connection
Number of positions	40
Note	Can be plugged onto 40-pos. I/O modules

## Connection 2 (field level)

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

## Connection 3 (supply)

Connection method	Push-in spring connection
Stripping length	10 mm
Number of connections	2
Number of positions	4
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 14

## Cable/line

Cable length	variable
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## 14X0.14 [PVC]

UL AWM Style	2464/1061
Number of positions	14
Shielded	no
Cable type	14X0.14 [PVC]
Conductor type	Round cable set
Conductor structure signal line	7x 0.16 mm
AWG signal line	26
Conductor cross section	14x 0.14 mm <sup>2</sup>
Wire diameter incl. insulation	1 mm ±0.03 mm
External cable diameter	6.4 mm ±0.4 mm
Outer sheath, material	Semi-rigid PVC
External sheath, color	gray
Conductor material	Tin-plated Cu litz wires
Cable resistance	≤ 145 Ω/km (20 °C)
Insulation resistance	≥ 20 MΩ*km (20 °C)
Smallest bending radius, fixed installation	55 mm
Smallest bending radius, movable installation	104 mm
Max. bending cycles	5000 (at a radius of ≥ 15x outside diameter)
Halogen-free	no

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Flame resistance	IEC 60332-1-2 (raw cable)
	VDE 0842, Part 332-1-2 (raw cable)
	IEC 60332-3-22 (raw cable)
	UL VW-1
	CSA FT-1
Resistance to oil	can withstand occasional splashes (raw cable)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection (Module)	IP20
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

General	For proper use, the specifications of the installation directive (see Downloads) must be observed.
General	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 331-7NF00-0AB0 6ES7 331-7NF10-0AB0 6ES7 331-7PF01-0AB0 6ES7 331-7PF11-0AB0 6ES7 350-2AH01-0AE0 6ES7 357-4AH01-0AE0 6ES7 331-1KF02-0AB0
General	<u>Digital I/O cards</u> Thanks to the existing wire bridge upon delivery, the input and output bytes are non-isolated.

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## Classifications

### ECLASS

ECLASS-11.0	27242292
ECLASS-12.0	27242292
ECLASS-13.0	27242292

### ETIM

ETIM 8.0	EC002584
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### UNSPSC

UNSPSC 21.0	32151600
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## Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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## Accessories

### VIP-2/SC/2FLK14 (1-20) /S7 - Passive module

2315230

<https://www.phoenixcontact.com/pc/products/2315230>



VARIOFACE interface module for Siemens SIMATIC® S7-300, for max. 16 channels with SIMATIC®-specific labeling (1 - 20), with screw connection, module width: 80.6 mm

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### VIP-2/PT/2FLK14 (1-20) /S7 - Passive module

2903802

<https://www.phoenixcontact.com/pc/products/2903802>



VARIOFACE interface module for Siemens SIMATIC® S7-300, for max. 16 channels with SIMATIC®-specific labeling (1 - 20), with push-in connection, module width: 82.5 mm

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## FLKM-2FLK14/KDS3-MT/PPA/S7 - Passive module

2295062

<https://www.phoenixcontact.com/pc/products/2295062>



VARIOFACE interface module for Siemens SIMATIC® S7-300, for max. 16 channels, with SIMATIC®-specific labeling (1 - 20), knife disconnect terminal block and test connection, module width: 113 mm

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## PLC-V8/FLK14/OUT - System connection

2295554

<https://www.phoenixcontact.com/pc/products/2295554>



V8 adapter for 8 x PLC-INTERFACE (6.2 mm), controller: PLC system cabling of output cards, connection 1: IDC/FLK pin strip 1x 14-position, connection 2: Plug-in connection (Can be snapped onto 8x PLC-INTERFACE terminals), connection 3: Screw connection 1x 2-position, number of channels: 8, control logic: plusschaltend



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## PLC-V8/FLK14/IN - System connection

2296553

<https://www.phoenixcontact.com/pc/products/2296553>



V8 adapter for 8 x PLC-INTERFACE (6.2 mm), controller: PLC system cabling of input cards, connection 1: IDC/FLK pin strip 1x 14-position, connection 2: Plug-in connection (Can be snapped onto 8x PLC-INTERFACE terminals), connection 3: Screw connection 1x 2-position, number of channels: 8, control logic: plusschaltend

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## PLC-V8L/FLK14/OUT - System connection

2299660

<https://www.phoenixcontact.com/pc/products/2299660>



V8 adapter for 8 x PLC-INTERFACE (14 mm), controller: PLC system cabling of output cards, connection 1: IDC/FLK pin strip 1x 14-position, connection 2: Plug-in connection (Can be snapped onto 8x PLC-INTERFACE terminals), connection 3: Screw connection 1x 2-position, number of channels: 8, control logic: plusschaltend

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## VIP-3/SC/FLK14/8IM/PLC - Passive module

2322278

<https://www.phoenixcontact.com/pc/products/2322278>



VARIOFACE sensor module, for connecting 8 pnp sensors

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## VIP-3/PT/FLK14/8IM/PLC - Passive module

2904282

<https://www.phoenixcontact.com/pc/products/2904282>



VARIOFACE sensor module, with push-in connection, for connecting 8 pnp sensors

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## KME - Cable marker carrier

0807083

<https://www.phoenixcontact.com/pc/products/0807083>



Cable marker carrier, white, unlabeled, mounting type: Assembly with cable ties, cable diameter: > 5 mm, lettering field size: 20 x 8 mm

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