

Front adapters - VIP-PA-FLK50/4X14/ 2,0M/S7



2321910

<https://www.phoenixcontact.com/de/produkte/2321910>

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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: 2 m

Your advantages

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

Commercial Data

Item number	2321910
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	I1 - Systemverkabelung
Product Key	CK2317
Catalog Page	Page 501 (C-5-2019)
GTIN	4046356347624
Weight per Piece (including packing)	743,6 g
Weight per Piece (excluding packing)	693,3 g
Customs tariff number	85444290
Country of origin	DE

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Technical Data

Notes

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 331-7NF00-0AB0 6ES7 331-7NF10-0AB0 6ES7 331-7PF01-0AB0 6ES7 331-7PF11-0AB0 6ES7 350-2AH01-0AE0 6ES7 357-4AH01-0AE0 6ES7 331-1KF02-0AB0
Notes on operation	<u>Digital I/O cards</u> Thanks to the existing wire bridge upon delivery, the input and output bytes are non-isolated.

Product properties

Product type	Front adapter
Insulation characteristics	
Overvoltage category	II
Pollution degree	2
Insulation	Functional insulation

Electrical properties

Max. permissible operating voltage	25 V AC
	60 V DC
Max. permissible current	1 A (per path)
	8 A (Separate power supply)
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

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	6ES7331-7PF11-0AB0
	6ES7350-2AH01-0AE0
	6ES7357-4AH01-0AE0
	6ES7331-1KF02-0AB0

Connection data

Control side

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

Field level

Connection method	IDC/FLK socket strip
Number of connections	4
Number of positions	14
Pitch	2.54 mm

Supply

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section solid	0.2 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 14

Dimensions

Length	2 m
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Cable / line

Cable length	2 m
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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 ²
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)

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Smallest bending radius, fixed installation	55 mm
Smallest bending radius, movable installation	104 mm
Max. bending cycles	5000 (at a radius of $\geq 15x$ outside diameter)
Halogen-free	no
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	IP20
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Approval data

UKCA

Certificate	UKCA-compliant
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Standards and regulations

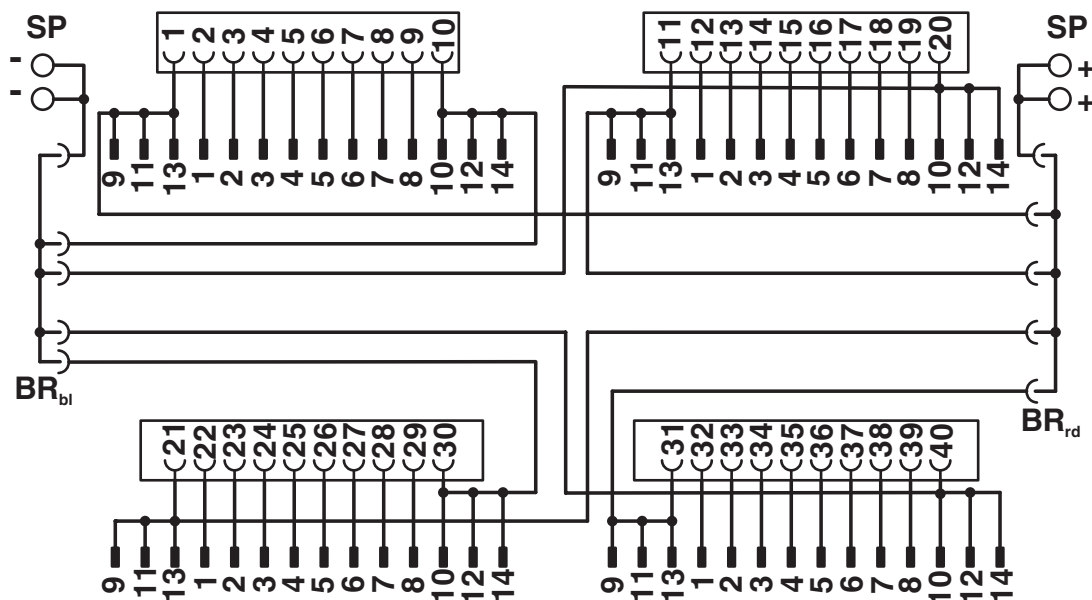
Standards/regulations	IEC 60664
	DIN EN 50178

Mounting

Mounting position	any
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Drawings

Circuit diagram



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Approvals

cUL Recognized Approval ID: FILE E 238705				
	Nominal Voltage U _N	Nominal Current I _N	Cross Section AWG	Cross Section mm ²
	50 V	1 A	-	-

UL Recognized Approval ID: FILE E 238705				
	Nominal Voltage U _N	Nominal Current I _N	Cross Section AWG	Cross Section mm ²
	50 V	1 A	-	-

cULus Recognized				
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Classifications

ECLASS

ECLASS-9.0	27242292
ECLASS-10.0.1	27242292
ECLASS-11.0	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

Passive module

Passive module - VIP-2/SC/2FLK14 (1-20) /S7 - 2315230

<https://www.phoenixcontact.com/de/produkte/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

Passive module

Passive module - VIP-2/PT/2FLK14 (1-20) /S7 - 2903802

<https://www.phoenixcontact.com/de/produkte/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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Passive module

Passive module - FLKM-2FLK14/KDS3-MT/PPA/S7 - 2295062

<https://www.phoenixcontact.com/de/produkte/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

System connection

System connection - PLC-V8/FLK14/OUT - 2295554

<https://www.phoenixcontact.com/de/produkte/2295554>



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

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System connection

System connection - PLC-V8/FLK14/IN - 2296553

<https://www.phoenixcontact.com/de/produkte/2296553>



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

System connection

System connection - PLC-V8L/FLK14/OUT - 2299660

<https://www.phoenixcontact.com/de/produkte/2299660>



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

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Passive module

Passive module - VIP-3/SC/FLK14/8IM/PLC - 2322278

<https://www.phoenixcontact.com/de/produkte/2322278>



VARIOFACE sensor module, for connecting 8 pnp sensors

Passive module

Passive module - VIP-3/PT/FLK14/8IM/PLC - 2904282

<https://www.phoenixcontact.com/de/produkte/2904282>



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

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Cable marker carrier

Cable marker carrier - KME - 0807083

<https://www.phoenixcontact.com/de/produkte/0807083>



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

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