

FLKM 2X14-PA/25/S7-1500 - Front adapter



1089345

<https://www.phoenixcontact.com/us/products/1089345>

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VARIOFACE front adapter, for SIMATIC® S7-1500 digital 25 mm modules, 2 x 8 channels can be connected. The front adapters are plugged into the front connectors on the I/O modules, and once plugged in they can no longer be separated.

Commercial data

Item number	1089345
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	CK231S
GTIN	4055626892375
Weight per piece (including packing)	37.7 g
Weight per piece (excluding packing)	50 g
Customs tariff number	85366990
Country of origin	DE

FLKM 2X14-PA/25/S7-1500 - Front adapter



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Technical data

Product properties

Product type	Front adapter
Product family	VARIOFACE

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 (DC)	≤ 60 V DC
Nominal operating mode	100% operating factor
Current (per branch)	≤ 1 A
Current (per byte)	≤ 2 A

Air clearances and creepage distances

Rated insulation voltage	63 V
Rated surge voltage	0.6 kV (1.2/50 µs)

Supported controller SIEMENS S7-1500

Suitable I/O card	6ES7521-1BH10-0AA0
	6ES7522-1BH10-0AA0

Connection data

Connection 1 (control level)

Connection method	Plug-in connection
Number of connections	1
Number of positions	24

Connection 2 (field level)

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK pin strip
Number of connections	2
Number of positions	14
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Dimensions

Item dimensions

Width	13 mm
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Height	118.56 mm
Depth	27.75 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection (Module)	IP20
Degree of protection (Installation location)	≥ IP54
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Altitude	≤ 2000 m

Approvals

UL, USA/Canada

Identification	UL 508 Recognized
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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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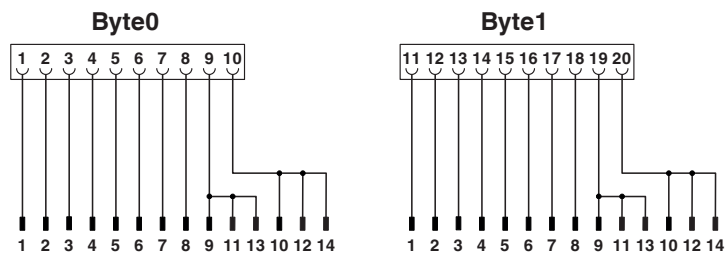
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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1089345>



UL Listed
Approval ID: FILE E 238705



cUL Listed
Approval ID: FILE E 238705

cULus Listed

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Classifications

ECLASS

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

ETIM

ETIM 9.0	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
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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Accessories

FLK 14/EZ-DR/ 30/KONFEK - Cable

2295729

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Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 0.3 m

FLK 14/EZ-DR/ 50/KONFEK - Cable

2288901

<https://www.phoenixcontact.com/us/products/2288901>



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 0.5 m

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FLK 14/EZ-DR/ 100/KONFEK - Cable

2288914

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Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 1 m

FLK 14/EZ-DR/ 150/KONFEK - Cable

2288927

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Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 1.5 m

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FLK 14/EZ-DR/ 200/KONFEK - Cable

2288930

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Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 2 m

FLK 14/EZ-DR/ 250/KONFEK - Cable

2288943

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Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 2.5 m

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FLK 14/EZ-DR/ 300/KONFEK - Cable

2288956

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Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 3 m

FLK 14/EZ-DR/ 350/KONFEK - Cable

2288969

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Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 3.5 m

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FLK 14/EZ-DR/ 400/KONFEK - Cable

2288972

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Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 4 m

FLK 14/EZ-DR/ 500/KONFEK - Cable

2290834

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Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 5 m

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FLK 14/EZ-DR/ 600/KONFEK - Cable

2290863

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Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 6 m

FLK 14/EZ-DR/ 800/KONFEK - Cable

2299563

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Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 8 m

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FLK 14/EZ-DR/1000/KONFEK - Cable

2299576

<https://www.phoenixcontact.com/us/products/2299576>



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 10 m

FLK 14/EZ-DR/HF/ 50/KONFEK - Cable

2305952

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Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 0.5 m

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FLK 14/EZ-DR/HF/ 100/KONFEK - Cable

2305965

<https://www.phoenixcontact.com/us/products/2305965>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 1 m

FLK 14/EZ-DR/HF/ 150/KONFEK - Cable

2305978

<https://www.phoenixcontact.com/us/products/2305978>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 1.5 m

FLKM 2X14-PA/25/S7-1500 - Front adapter



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FLK 14/EZ-DR/HF/ 200/KONFEK - Cable

2305981

<https://www.phoenixcontact.com/us/products/2305981>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 2 m

FLK 14/EZ-DR/HF/ 250/KONFEK - Cable

2305994

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Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 2.5 m

FLKM 2X14-PA/25/S7-1500 - Front adapter



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FLK 14/EZ-DR/HF/ 300/KONFEK - Cable

2304759

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Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 3 m

FLK 14/EZ-DR/HF/ 400/KONFEK - Cable

2304762

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Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 4 m

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FLK 14/EZ-DR/HF/ 500/KONFEK - Cable

2304717

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Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 5 m

FLK 14/EZ-DR/HF/ 600/KONFEK - Cable

2306003

<https://www.phoenixcontact.com/us/products/2306003>



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 6 m

FLKM 2X14-PA/25/S7-1500 - Front adapter



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FLK 14-EZ-DR-HF/... - Cable

2314040

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Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: variable

FLK 14/EZ-DR/ 50/KONFEK/S - Cable

2296977

<https://www.phoenixcontact.com/us/products/2296977>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 0.5 m

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FLK 14/EZ-DR/ 100/KONFEK/S - Cable

2296980

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Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 1 m

FLK 14/EZ-DR/ 120/KONFEK/S - Cable

2299071

<https://www.phoenixcontact.com/us/products/2299071>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 1.2 m

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FLK 14/EZ-DR/ 150/KONFEK/S - Cable

2296993

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Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 1.5 m

FLK 14/EZ-DR/ 180/KONFEK/S - Cable

2299084

<https://www.phoenixcontact.com/us/products/2299084>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 1.8 m

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FLK 14/EZ-DR/ 200/KONFEK/S - Cable

2297002

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Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 2 m

FLK 14/EZ-DR/ 300/KONFEK/S - Cable

2299013

<https://www.phoenixcontact.com/us/products/2299013>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 3 m

FLKM 2X14-PA/25/S7-1500 - Front adapter



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FLK 14/EZ-DR/ 400/KONFEK/S - Cable

2299026

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Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 4 m

FLK 14/EZ-DR/ 600/KONFEK/S - Cable

2299039

<https://www.phoenixcontact.com/us/products/2299039>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 6 m

FLKM 2X14-PA/25/S7-1500 - Front adapter



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FLK 14/EZ-DR/ 800/KONFEK/S - Cable

2299042

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Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 8 m

FLK 14/EZ-DR/1000/KONFEK/S - Cable

2299055

<https://www.phoenixcontact.com/us/products/2299055>



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 10 m

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VIP-2/SC/FLK14/PLC - Passive module

2315214

<https://www.phoenixcontact.com/us/products/2315214>



VARIOFACE interface module for 8 channels

VIP-2/PT/FLK14/PLC - Passive module

2903801

<https://www.phoenixcontact.com/us/products/2903801>



VARIOFACE interface module, with push-in connection for 8 channels

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VIP-2/SC/FLK14/LED/PLC - Passive module

2322249

<https://www.phoenixcontact.com/us/products/2322249>

VARIOFACE interface module, with LED, for 8 channels



VIP-2/PT/FLK14/LED/PLC - Passive module

2904279

<https://www.phoenixcontact.com/us/products/2904279>

VARIOFACE interface module, with push-in connection and light indicator, for 8 channels



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

2322278

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



VARIOFACE sensor module, for connecting 8 pnp sensors

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

2904282

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



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

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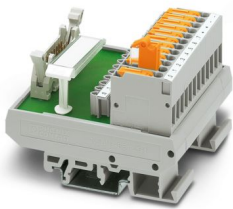
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FLKM 14/KDS3-MT/PPA/PLC - Passive module

2290423

<https://www.phoenixcontact.com/us/products/2290423>



VARIOFACE interface module, for 8 channels with knife disconnect terminal blocks and test sockets to the peripherals and the system

PLC-V8/FLK14/OUT - System connection

2295554

<https://www.phoenixcontact.com/us/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: positive switching

FLKM 2X14-PA/25/S7-1500 - Front adapter



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PLC-V8/FLK14/IN - System connection

2296553

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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: positive switching

PLC-V8L/FLK14/OUT - System connection

2299660

<https://www.phoenixcontact.com/us/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: positive switching

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