

FLKM 20-PA-ET200SP - Front adapter



1099751

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VARIOFACE front adapter for Siemens SIMATIC® ET200SP, with a 20-pos. FLK-/IDC male strip, max. 16 channels can be connected

Commercial data

Item number	1099751
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CK2117
GTIN	4055626950181
Weight per piece (including packing)	37.8 g
Weight per piece (excluding packing)	30 g
Customs tariff number	85366990
Country of origin	DE

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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 (Voltage supply via IDC/FLK)	≤ 2 A
Current (Voltage supply via Push-in 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 ET 200SP

Suitable base unit	6ES7193-6BP00-0BA0
	6ES7193-6BP00-2BA0
	6ES7193-6BP00-0BA1
	6ES7193-6BP00-0DA0
	6ES7193-6BP00-2DA0
	6ES7193-6BP00-0DA1
Suitable I/O module	6ES7131-6BH01-0BA0 (Base Units A0/A1)
	6ES7131-6BH01-2BA0 (Base Units A0/A1)
	6ES7132-6BH01-0BA0 (Base Units A0/A1)
	6ES7132-6BH01-2BA0 (Base Units A0/A1)
	6ES7134-6GD01-0BA1 (Base Units A0/A1)
	6ES7134-6GD01-2BA1 (Base Units A0/A1)
	6ES7134-6HD01-0BA1 (Base Units A0/A1)
	6ES7134-6HD01-2BA1 (Base Units A0/A1)
	6ES7134-6TD00-0CA1 (Base Units A0/A1)
	6ES7134-6JD00-0CA1 (Base Units A0/A1)
	6ES7134-6JD00-2CA1 (Base Units A0/A1)
	6ES7134-6FF00-0AA1 (Base Units A0/A1)
	6ES7134-6GF00-0AA1 (Base Units A0/A1)

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	6ES7134-6JF00-0CA1 (Base Units A0/A1)
	6ES7134-6JF00-2CA1 (Base Units A0/A1)
	6ES7134-6FB00-0BA1 (Base Units A0/A1)
	6ES7134-6GB00-0BA1 (Base Units A0/A1)
	6ES7134-6HB00-0CA1 (Base Units A0/A1)
	6ES7134-6HB00-0DA1 (Base Units A0/A1)
	6ES7135-6FB00-0BA1 (Base Units A0/A1)
	6ES7135-6GB00-0BA1 (Base Units A0/A1)
	6ES7135-6HB00-0CA1 (Base Units A0/A1)
	6ES7135-6HB00-0DA1 (Base Units A0/A1)
	6ES7135-6HD00-0BA1 (Base Units A0/A1)

Connection data

Connection 1 (control level)

Connection method	Plug-in connection
Number of connections	1
Number of positions	18

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	20
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

Connection 3 (supply)

Connection method	Push-in spring connection
Number of connections	1
Number of positions	2
Conductor cross section rigid	0.14 mm ² ... 1.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 1.5 mm ²
Conductor cross section AWG	26 ... 16
Pitch	3.81 mm

Dimensions

Item dimensions

Width	14.9 mm
Height	52.95 mm
Depth	48.99 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection (Module)	IP00
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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

General	For proper use, the specifications of the installation directive (see Downloads) must be observed.
General	Once plugged in, the front adapter and terminal block form a single unit that can no longer be separated.

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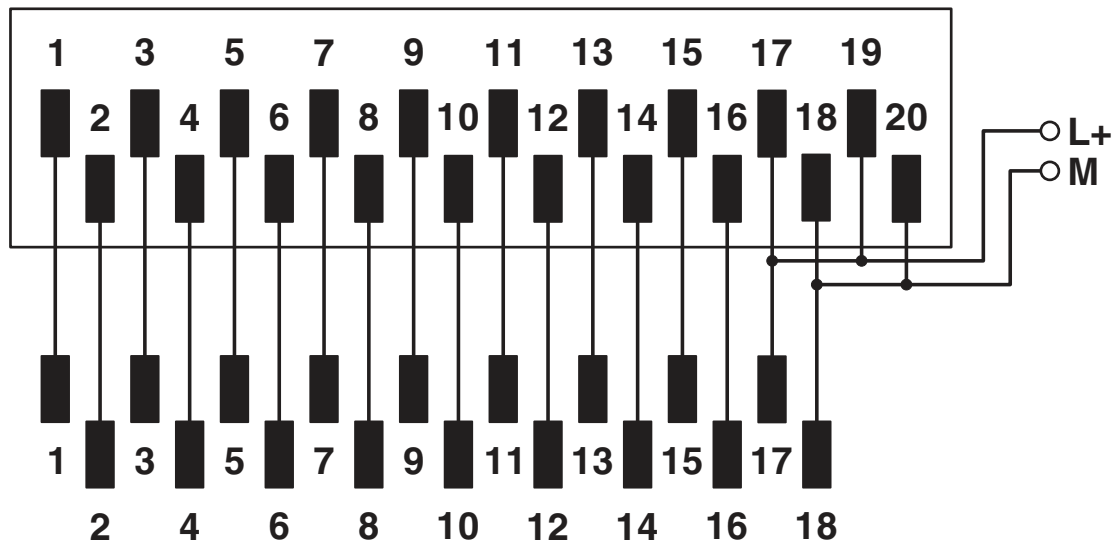


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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1099751>



UL Listed

Approval ID: FILE E 238705



cUL Listed

Approval ID: FILE E 238705

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27242292
ECLASS-13.0	27242292
ECLASS-12.0	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

FLK EZ-DR.../.../... - Cable

2295059

<https://www.phoenixcontact.com/pc/products/2295059>

Round cable, with preassembly, not shielded, variable cable length



FLK 20/EZ-DR/ 50KONFEK - Cable

2296391

<https://www.phoenixcontact.com/pc/products/2296391>

Round cable set; connection 1: IDC/FLK socket strip (1x 20-position); connection 2: IDC/FLK socket strip (1x 20-position); cable length: 0.5 m



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FLK 20/EZ-DR/ 100KONFEK - Cable

2296401

<https://www.phoenixcontact.com/pc/products/2296401>



Round cable set; connection 1: IDC/FLK socket strip (1x 20-position); connection 2: IDC/FLK socket strip (1x 20-position); cable length: 1 m

FLK 20/EZ-DR/ 150KONFEK - Cable

2296472

<https://www.phoenixcontact.com/pc/products/2296472>



Round cable set; connection 1: IDC/FLK socket strip (1x 20-position); connection 2: IDC/FLK socket strip (1x 20-position); cable length: 1.5 m

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FLK 20/EZ-DR/ 200KONFEK - Cable

2296485

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Round cable set; connection 1: IDC/FLK socket strip (1x 20-position); connection 2: IDC/FLK socket strip (1x 20-position); cable length: 2 m

FLK 20/EZ-DR/ 300KONFEK - Cable

2296498

<https://www.phoenixcontact.com/pc/products/2296498>



Round cable set; connection 1: IDC/FLK socket strip (1x 20-position); connection 2: IDC/FLK socket strip (1x 20-position); cable length: 3 m

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FLK 20/EZ-DR/ 400KONFEK - Cable

2296508

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Round cable set; connection 1: IDC/FLK socket strip (1x 20-position); connection 2: IDC/FLK socket strip (1x 20-position); cable length: 4 m

FLK 20/EZ-DR/ 800KONFEK - Cable

2296524

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Round cable set; connection 1: IDC/FLK socket strip (1x 20-position); connection 2: IDC/FLK socket strip (1x 20-position); cable length: 8 m

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FLK 20/EZ-DR/1000KONFEK - Cable

2296537

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Round cable set; connection 1: IDC/FLK socket strip (1x 20-position); connection 2: IDC/FLK socket strip (1x 20-position); cable length: 10 m

FLK 20/2FLK14/EZ-DR/ 50/KONFEK - Cable

2305059

<https://www.phoenixcontact.com/pc/products/2305059>



Round cable set; connection 1: IDC/FLK socket strip (1x 20-position); connection 2: IDC/FLK socket strip (2x 14-position); cable length: 0.5 m

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FLK 20/2FLK14/EZ-DR/100/KONFEK - Cable

2298470

<https://www.phoenixcontact.com/pc/products/2298470>



Round cable set; connection 1: IDC/FLK socket strip (1x 20-position); connection 2: IDC/FLK socket strip (2x 14-position); cable length: 1 m

FLK 20/2FLK14/EZ-DR/10M/KONFEK - Cable

2902708

<https://www.phoenixcontact.com/pc/products/2902708>



Round cable set; connection 1: IDC/FLK socket strip (1x 20-position); connection 2: IDC/FLK socket strip (2x 14-position); cable length: 10 m

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FLK 20/2FLK14/EZ-DR/200/KONFEK - Cable

2298438

<https://www.phoenixcontact.com/pc/products/2298438>



Round cable set; connection 1: IDC/FLK socket strip (1x 20-position); connection 2: IDC/FLK socket strip (2x 14-position); cable length: 2 m

FLK 20/2FLK14/EZ-DR/300/KONFEK - Cable

2300818

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Round cable set; connection 1: IDC/FLK socket strip (1x 20-position); connection 2: IDC/FLK socket strip (2x 14-position); cable length: 3 m

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FLK 20/2FLK14/EZ-DR/400/KONFEK - Cable

2305237

<https://www.phoenixcontact.com/pc/products/2305237>



Round cable set; connection 1: IDC/FLK socket strip (1x 20-position); connection 2: IDC/FLK socket strip (2x 14-position); cable length: 4 m

FLK 20/2FLK14/EZ-DR/500/KONFEK - Cable

2902707

<https://www.phoenixcontact.com/pc/products/2902707>



Round cable set; connection 1: IDC/FLK socket strip (1x 20-position); connection 2: IDC/FLK socket strip (2x 14-position); cable length: 5 m

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FLK 20/2FLK14/EZ-DR/... - Cable

2304487

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Round cable set; connection 1: IDC/FLK socket strip (1x 20-position); connection 2: IDC/FLK socket strip (2x 14-position); cable length: variable

FLKM 20 - Interface module

2281047

<https://www.phoenixcontact.com/pc/products/2281047>



VARIOFACE module, with screw connection and flat-ribbon cable connector, for mounting on NS 32 or NS 35/7.5, with pin strip and short and long locking latches for socket strips, 20-pos.

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FLKMS 20/16IM - Interface module

2282046

<https://www.phoenixcontact.com/pc/products/2282046>



VARIOFACE module, for mounting on NS 35/7.5 or NS 32, for connecting 16 proximity switches

UM 25-FLK20/FRONT/Q - Interface module

2959515

<https://www.phoenixcontact.com/pc/products/2959515>



VARIOFACE SLIM LINE, with screw connection and flat-ribbon cable connector, for assembly at a right angle on NS 35/7.5, 20 positions

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VIP-2/SC/FLK20 - Interface module

2315049

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VARIOFACE module, with screw connection and flat-ribbon cable connector, for mounting on NS 35 rails, with pin strip and short and long locking latches for socket strips, 20-pos.

VIP-2/PT/FLK20 - Interface module

2903790

<https://www.phoenixcontact.com/pc/products/2903790>



VARIOFACE module, with push-in connections and flat-ribbon cable connector, for mounting on NS 35 rails, with pin strip and short and long locking latches for socket strips, 20-pos.

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RIF-1-V8/PT/FLK14/OUT - System connection

2905195

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V8 adapter for 8 x RIF-1 relay base, controller: PLC system cabling of output cards, connection 1: Push-in connection 4x, connection 2: IDC/FLK pin strip 1x 14-position, connection 3: Plug-in connection, number of channels: 8, control logic: plusschaltend

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

2315214

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



VARIOFACE interface module for 8 channels

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

2903801

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



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

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

2322249

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VARIOFACE interface module, with LED, for 8 channels

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

2904279

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



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

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

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

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

2290423

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



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

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PLC-V8/FLK14/OUT - System connection

2295554

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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

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: plusschaltend

FLKM 20-PA-ET200SP - Front adapter



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PLC-V8L/FLK14/OUT - System connection

2299660

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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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