

# VFC-PT/FLK14/PLC - Termination board



1278798

<https://www.phoenixcontact.com/us/products/1278798>

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VARIOFACE Front Connect, IDC/FLK termination board for the system cabling with Push-in front connections for 8 channels and additional positive and negative potential terminal blocks for 3-conductor initiator connection, number of positions: 14, overall width: 19 mm



## Your advantages

- Fast, clear, and error-free wiring, thanks to Push-in terminal blocks with front connection technology
- Up to 60 % less space required in the control cabinet compared to conventional solutions due to the innovative design with an installation width of 19 mm
- Plug and Play connection to the remote IO and field level with the comprehensive system cabling range from Phoenix Contact
- Optimum support for your distributed I/O devices, thanks to high flexibility and the slim design
- Optically and haptically compatible with modern remote IO systems

## Commercial data

Item number	1278798
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C421
Product key	DK2171
GTIN	4063151475550
Weight per piece (including packing)	81 g
Weight per piece (excluding packing)	96 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Product properties

Product type	Interface module
Number of positions	14
No. of channels	8

### 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

### Air clearances and creepage distances

Rated insulation voltage	63 V
Rated surge voltage	0.8 kV (1.2/50 μs)

### Supported controller: SIEMENS S7-1500

Suitable I/O card	6ES7521-1BH00-0AB0
	6ES7521-1BH10-0AA0
	6ES7521-1BH50-0AA0
	6ES7521-1BL00-0AB0
	6ES7521-1BL10-0AA0
	6ES7522-1BH00-0AB0
	6ES7522-1BH01-0AB0
	6ES7522-1BL00-0AB0
	6ES7522-1BL01-0AB0
	6ES7522-1BL10-0AA0
	6ES7523-1BL00-0AA0

### Supported controller: ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-IB32
	1756-OB32
	1756-IN16
	1756-IB16
	1756-IC16
	1756-OB16E

### Supported controller: ALLEN-BRADLEY PLC 5

Suitable I/O card	1771 IBN
	1771 OBN

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Supported controller: ALLEN-BRADLEY SLC 500

Suitable I/O card	1746 OB 32
	1746 OV 32
	1746 IB 32
	1746 IV 32

Supported controller: GE-FANUC RX3i

Suitable I/O card	IC694MDL754
	IC694MDL660

Supported controller: HONEYWELL Experion PKS C200

Suitable I/O card	TC-IDD 321
	TC-ODD 321

Supported controller: MITSUBISHI MELSEC Q

Suitable I/O card	QX81
	QY81P
	QX41
	QX41-S1
	QX42
	QX42-S1
	QX71
	QX72
	QY41P
	QY42P
	QY71
	QH42P
	QX82
	QX82-S1
	QY82P

Supported controller: MITSUBISHI MELSEC L

Suitable I/O card	LX41C4
	LX42C4
	LY41NT1P
	LY42NT1P
	LY41PT1P
	LY42PT1P

Supported controller: SCHNEIDER ELECTRIC Modicon TSX QUANTUM

Suitable I/O card	DDI 353
	DDI 853
	DAI 453
	DDO 353

Supported controller: SIEMENS ET 200SP

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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)

## Connection data

### Controller level

Connection in acc. with standard	IEC 60603-13
	DIN 41651
Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	14

### Field level

Connection method	Push-in connection
Stripping length	10 mm
Number of positions	28
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (Ferrule without plastic sleeve)
	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (Ferrule with plastic sleeve)
Conductor cross-section AWG	24 ... 16

## Signaling

Status display	no
Status display present	no

## Dimensions

### Item dimensions

Width	18.9 mm
Height	127.2 mm
Depth	55 mm

## Material specifications

Flammability rating according to UL 94	V0
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Degree of protection (Installation location)	IP54 (Installation location)
Ambient temperature (operation)	-40 °C ... 70 °C (≤ 2000 m)
	-40 °C ... 63 °C (2001 m - 3000 m)
Altitude	≤ 3000 m

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## Approvals

UL, USA/Canada

Identification	UL 61010-2-201
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CSA, USA/Canada

Identification	CSA C22.2 NO. 61010-2-201
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## Standards and regulations

Air clearances and creepage distances

Standards/regulations	DIN EN 60664-1
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## Mounting

Mounting type	DIN rail 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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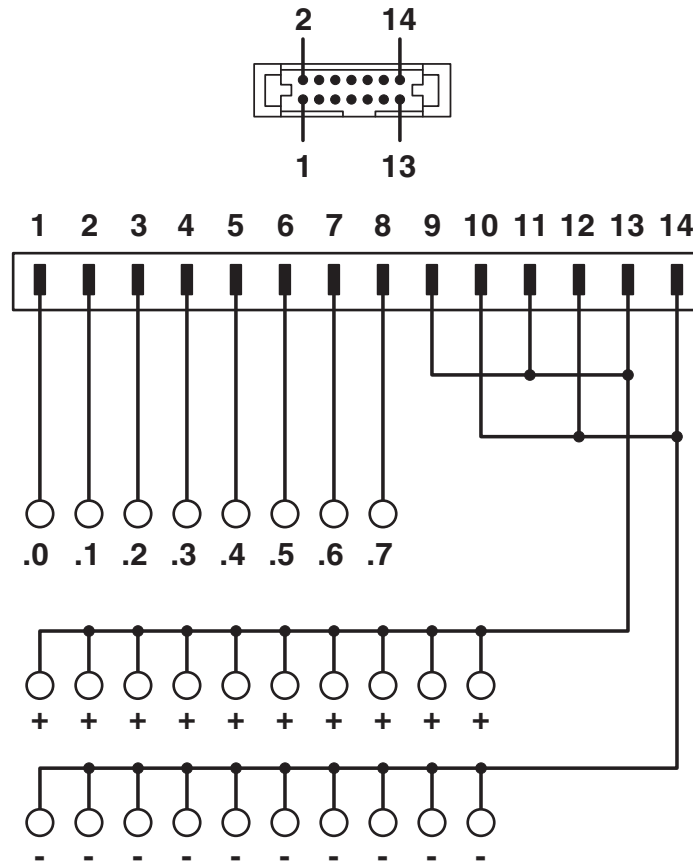


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## Drawings

Circuit diagram



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## Approvals

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**UL Listed**

Approval ID: E238705



**cUL Listed**

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## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 10.0	EC002780
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### 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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