

# VFC-PT/FLK16 - Termination board



1278796

<https://www.phoenixcontact.com/us/products/1278796>

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VARIOFACE Front Connect, 1:1 IDC/FLK termination board with Push-in front connections, number of positions: 16, 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	1278796
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C422
Product key	CK2171
GTIN	4063151475741
Weight per piece (including packing)	90 g
Weight per piece (excluding packing)	90 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Product properties

Product type	Interface module
Product family	VARIOFACE Front Connect

#### Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Ovvoltage category	II
Pollution degree	2

### Electrical properties

Max. permissible operating voltage	30 V AC
	60 V DC
Max. permissible current	1 A (per branch)

#### Air clearances and creepage distances

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

### 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	16

#### Field level

Connection method	Push-in connection
Stripping length	10 mm
Number of positions	16
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

### Dimensions

#### Item dimensions

Width	18.9 mm
Height	127.2 mm
Depth	55 mm

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## 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

## Approvals

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

CSA, USA/Canada	
Identification	CSA C22.2 NO. 61010-2-201

## Standards and regulations

Air clearances and creepage distances	
Standards/regulations	DIN EN 60664-1

## 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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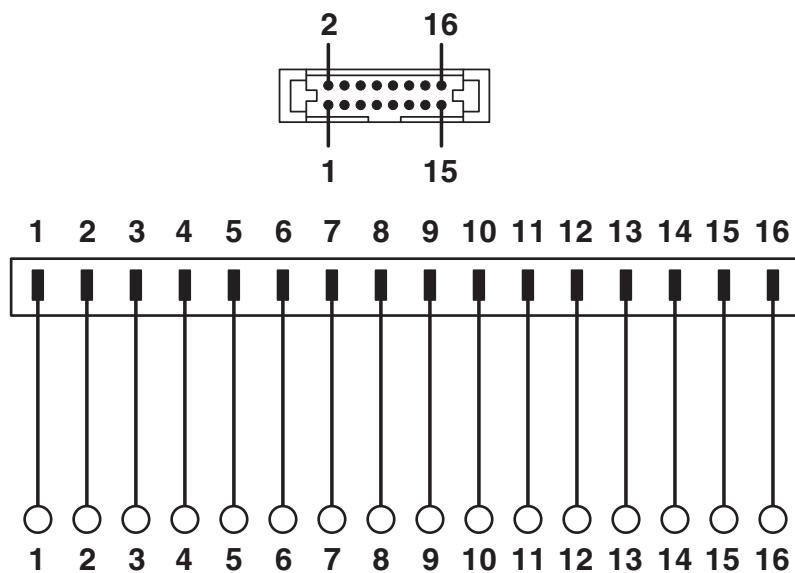


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## Drawings

Circuit diagram



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## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1278796>



**UL Listed**

Approval ID: E238705



**cUL Listed**

Approval ID: E238705

**cULus Listed**

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## Classifications

### ECLASS

ECLASS-11.0	27141152
ECLASS-12.0	27141152
ECLASS-13.0	27141152

### ETIM

ETIM 9.0	EC002780
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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