

VFC-PT/FLK16 - Interface module



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

Data management status

Article revision	03
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Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage 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 mm² ... 1.5 mm²
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
	0.25 mm² ... 1.5 mm² (Ferrule without plastic sleeve)
	0.25 mm² ... 1.5 mm² (Ferrule with plastic sleeve)
Conductor cross section AWG	24 ... 16

Dimensions

Item dimensions

Width	18.9 mm
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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

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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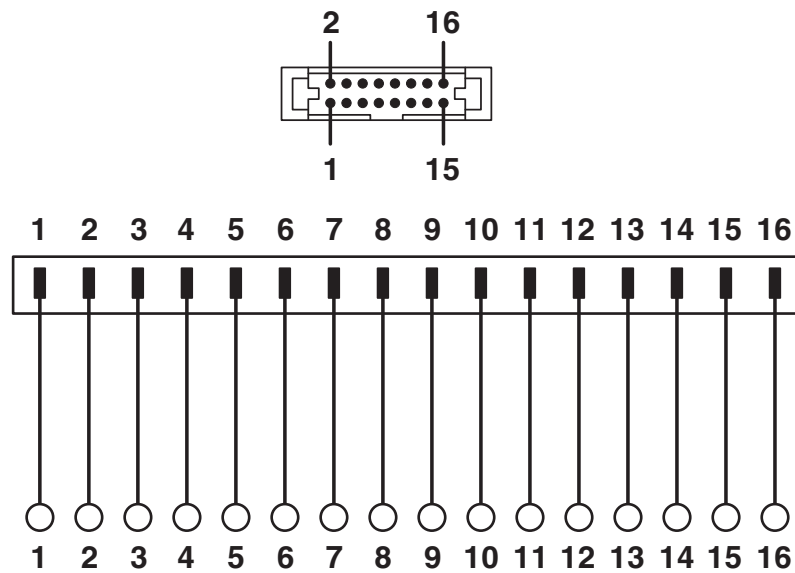
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Drawings

Circuit diagram



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Approvals

 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
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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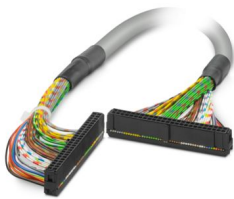
Accessories

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

2295059

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

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



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

2295046

<https://www.phoenixcontact.com/us/products/2295046>

Round cable, with preassembly, shielded, variable cable length



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SK 2,8 WH:REEL - Marker strip

0805205

<https://www.phoenixcontact.com/us/products/0805205>



Marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMaster 300/600, THERMOMARK X1.2, mounting type: adhesive, lettering field size: continuous x 2.8 mm, Number of individual labels: 14

FLK 16/EZ-DR/ 50/KONFEK - Cable

2299291

<https://www.phoenixcontact.com/us/products/2299291>



Round cable set; connection 1: IDC/FLK socket strip (1x 16-position); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 0.5 m

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FLK 16/EZ-DR/ 100/KONFEK - Cable

2299301

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Round cable set; connection 1: IDC/FLK socket strip (1x 16-position); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 1 m

FLK 16/EZ-DR/ 150/KONFEK - Cable

2299314

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Round cable set; connection 1: IDC/FLK socket strip (1x 16-position); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 1.5 m

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FLK 16/EZ-DR/ 200/KONFEK - Cable

2299327

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Round cable set; connection 1: IDC/FLK socket strip (1x 16-position); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 2 m

FLK 16/EZ-DR/ 300/KONFEK - Cable

2299330

<https://www.phoenixcontact.com/us/products/2299330>



Round cable set; connection 1: IDC/FLK socket strip (1x 16-position); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 3 m

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FLK 16/EZ-DR/ 400/KONFEK - Cable

2299343

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Round cable set; connection 1: IDC/FLK socket strip (1x 16-position); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 4 m

FLK 16/EZ-DR/ 600/KONFEK - Cable

2299356

<https://www.phoenixcontact.com/us/products/2299356>



Round cable set; connection 1: IDC/FLK socket strip (1x 16-position); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 6 m

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FLK 16/EZ-DR/ 800/KONFEK - Cable

2299369

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Round cable set; connection 1: IDC/FLK socket strip (1x 16-position); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 8 m

FLK 16/EZ-DR/1000/KONFEK - Cable

2299372

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Round cable set; connection 1: IDC/FLK socket strip (1x 16-position); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 10 m

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FLK 16/EZ-DR/ 400/KONFEK/S - Cable

2318091

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Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 16-position); connection 2: IDC/FLK socket strip (1x 16-position) (The braided shield is routed to a separate cable end.); cable length: 4 m

CABLE-FLK16/OE/0,14/ 0,5M - Cable

2318127

<https://www.phoenixcontact.com/us/products/2318127>



Round cable set; connection 1: Single wires (16-position) (The wires are marked and fitted with ferrules); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 0.5 m

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CABLE-FLK16/OE/0,14/ 1,0M - Cable

2318130

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Round cable set; connection 1: Single wires (16-position) (The wires are marked and fitted with ferrules); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 1 m

CABLE-FLK16/OE/0,14/ 1,5M - Cable

2318143

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Round cable set; connection 1: Single wires (16-position) (The wires are marked and fitted with ferrules); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 1.5 m

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CABLE-FLK16/OE/0,14/ 2,0M - Cable

2318156

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Round cable set; connection 1: Single wires (16-position) (The wires are marked and fitted with ferrules); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 2 m

CABLE-FLK16/OE/0,14/ 3,0M - Cable

2318172

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Round cable set; connection 1: Single wires (16-position) (The wires are marked and fitted with ferrules); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 3 m

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CABLE-FLK16/OE/0,14/ 4,0M - Cable

2318185

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Round cable set; connection 1: Single wires (16-position) (The wires are marked and fitted with ferrules); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 4 m

CABLE-FLK16/OE/0,14/ 6,0M - Cable

2318198

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Round cable set; connection 1: Single wires (16-position) (The wires are marked and fitted with ferrules); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 6 m

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CABLE-FLK16/OE/0,14/ 8,0M - Cable

2318208

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Round cable set; connection 1: Single wires (16-position) (The wires are marked and fitted with ferrules); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 8 m

CABLE-FLK16/OE/0,14/10,0M - Cable

2318211

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Round cable set; connection 1: Single wires (16-position) (The wires are marked and fitted with ferrules); connection 2: IDC/FLK socket strip (1x 16-position); cable length: 10 m

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CABLE-FLK16/OE/0,14/... - Cable

2318224

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Round cable set; connection 1: Single wires (16-position) (The wires are marked and fitted with ferrules); connection 2: IDC/FLK socket strip (1x 16-position); cable length: variable

CABLE-FLK16-OE-S/... - Cable

2906637

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Round cable set; connection 1: Single wires (16-position) (The wires are marked and fitted with ferrules); connection 2: IDC/FLK socket strip (1x 16-position); cable length: variable

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