

# UM 45-FLK16/ZFKDS - Interface module



2293530

<https://www.phoenixcontact.com/us/products/2293530>

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VARIOFACE module, with spring-cage connection and flat-ribbon cable connector, for mounting on NS 35/7.5, 16-pos.

## Commercial data

Item number	2293530
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C422
Product key	CK21A1
Catalog page	Page 303 (IF-2011)
GTIN	4017918120436
Weight per piece (including packing)	87.6 g
Weight per piece (excluding packing)	84.5 g
Customs tariff number	85369010
Country of origin	DE

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## Technical data

### Product properties

Product type	Interface module
Product family	VARIOFACE
Number of positions	16

### 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 (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	0.6 kV (1.2/50 μs)

### Connection data

#### Connection 1 (control level)

Connection in acc. with standard	IEC 60603-13
Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	16
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

#### Connection 2 (field level)

Connection method	Spring-cage connection
Stripping length	7.5 mm
Number of positions	16
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 1.5 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 ... 14
Pitch	5.08 mm

### Signaling

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Status display present	No
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## Dimensions

### Item dimensions

Width	64 mm
Height	45 mm
Depth	50.42 mm

## Material specifications

Color	green (RAL 6021)
Housing insulation material	PVC

## Environmental and real-life conditions

### Ambient conditions

Degree of protection (Module)	IP00
Degree of protection (Installation location)	≥ IP54
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Altitude	≤ 2000 m

## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	EN IEC 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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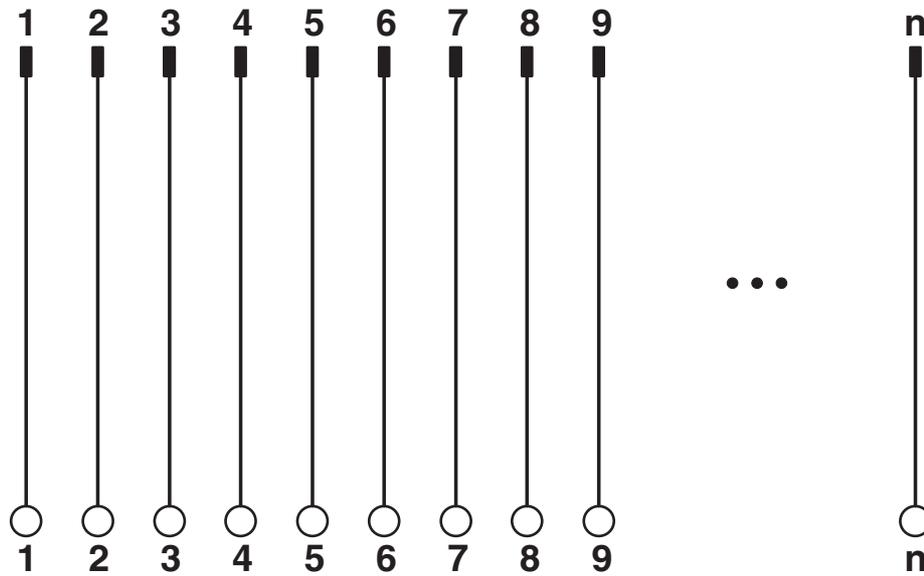
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## Drawings

Circuit diagram



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2293530>

 <b>cUL Recognized</b> Approval ID: FILE E 118976				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	125 V	1 A	-	-

 <b>UL Recognized</b> Approval ID: FILE E 118976				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	125 V	1 A	-	-

<b>cULus Recognized</b>				
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## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	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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## Accessories

### SZF 0-0,4X2,5 - Screwdriver

1204504

<https://www.phoenixcontact.com/us/products/1204504>



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

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

2295059

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

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## 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

<https://www.phoenixcontact.com/us/products/2299301>



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

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

2299314

<https://www.phoenixcontact.com/us/products/2299314>



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

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

2299330

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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: 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

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

2299356

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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: 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

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

2299372

<https://www.phoenixcontact.com/us/products/2299372>



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

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