

UM 45-FLK16/ZFKDS - Interface module



2293530

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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

UM 45-FLK16/ZFKDS - Interface module



2293530

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

Technical data

Product properties

Product type	Interface module
Product family	VARIOFACE
Number of positions	16

Data management status

Article revision	09
------------------	----

Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Operating voltage (AC)	$\leq 30 \text{ V AC}$
Operating voltage (DC)	$\leq 60 \text{ V DC}$
Current (per branch)	$\leq 1 \text{ A}$

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 ² ... 2.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 1.5 mm ²
	0.25 mm ² ... 1.5 mm ² (Ferrule without plastic sleeve)
	0.25 mm ² ... 1.5 mm ² (Ferrule with plastic sleeve)
Conductor cross section AWG	24 ... 14
Pitch	5.08 mm

Signaling

UM 45-FLK16/ZFKDS - Interface module



2293530

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

Status display present	No
------------------------	----

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
-----------------------	----------------

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.
--------------------	--

UM 45-FLK16/ZFKDS - Interface module

2293530

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



Drawings

Circuit diagram



UM 45-FLK16/ZFKDS - Interface module



2293530

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

Approvals

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

 cUL Recognized Approval ID: E118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	125 V	1 A	-	-

 UL Recognized Approval ID: E118976				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	125 V	1 A	-	-

cULus Recognized				
-------------------------	--	--	--	--

UM 45-FLK16/ZFKDS - Interface module



2293530

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

Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002780
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

UM 45-FLK16/ZFKDS - Interface module



2293530

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

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%

UM 45-FLK16/ZFKDS - Interface module



2293530

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

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

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

2295059

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



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

UM 45-FLK16/ZFKDS - Interface module



2293530

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

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

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

UM 45-FLK16/ZFKDS - Interface module



2293530

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

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

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

2299327

<https://www.phoenixcontact.com/us/products/2299327>



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

UM 45-FLK16/ZFKDS - Interface module



2293530

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

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

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

2299343

<https://www.phoenixcontact.com/us/products/2299343>



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

UM 45-FLK16/ZFKDS - Interface module



2293530

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

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

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

2299369

<https://www.phoenixcontact.com/us/products/2299369>



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

UM 45-FLK16/ZFKDS - Interface module



2293530

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

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

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

2318091

<https://www.phoenixcontact.com/us/products/2318091>



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

Phoenix Contact 2024 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com