UM 45-FLKS40/ZFKDS - Termination board

2968438

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VARIOFACE module, with three-level spring-cage connection and flat-ribbon cable connector, for mounting on NS 35/7.5, 40-pos.

Commercial data

Item number	2968438
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C422
Product key	DK21A1
GTIN	4017918932787
Weight per piece (including packing)	142.8 g
Weight per piece (excluding packing)	114.47 g
Customs tariff number	85369010
Country of origin	DE

Technical data

Product properties

Product type	Interface module
Product family	VARIOFACE
Number of positions	40
No. of channels	2
	4
	6
	8
	16
	32

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)

Supported controller: ALLEN-BRADLEY SLC 500

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

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	40
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	42
Conductor cross-section rigid	0.2 mm² ... 2.5 mm²
Conductor cross-section flexible	0.2 mm² ... 1.5 mm²
	0.2 mm² ... 1.5 mm²
	0.25 mm² ... 1.5 mm² (Ferrule without plastic sleeve)
Conductor cross-section flexible (2 conductors with same cross section)	0.25 mm² ... 1.5 mm² (Ferrule with plastic sleeve)
Conductor cross-section AWG	24 ... 14
Pitch	5.08 mm

Signaling

Status display present	no

Dimensions

Item dimensions

Width	96 mm
Height	45 mm
Depth	60.66 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

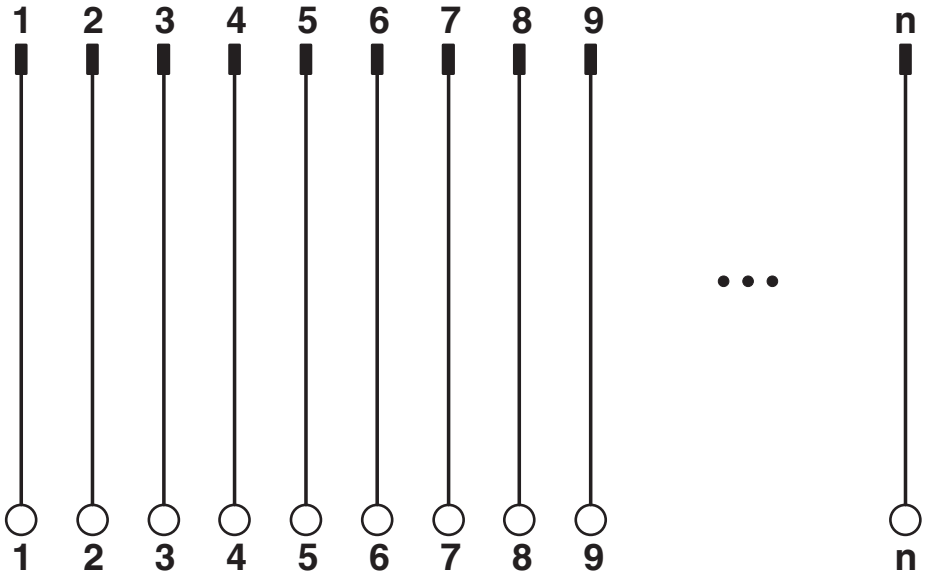
Mounting type	DIN rail mounting
Mounting position	any

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.

Drawings

Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2968438

cUL Recognized
Approval ID: E118976

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
Field wiring	125 V	1 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 10.0	EC002780

UNSPSC

UNSPSC 21.0	39121400

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