

# UM 45-FLK50 - Termination board



2962612

<https://www.phoenixcontact.com/us/products/2962612>

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 screw connection and flat-ribbon cable connector, for assembly on NS 35/7.5, 50 positions

## Commercial data

Item number	2962612
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C422
Product key	DK21A1
GTIN	4017918087289
Weight per piece (including packing)	156 g
Weight per piece (excluding packing)	121.38 g
Customs tariff number	85369010
Country of origin	DE

# UM 45-FLK50 - Termination board



2962612

<https://www.phoenixcontact.com/us/products/2962612>

## Technical data

### Product properties

Product type	Interface module
Product family	VARIOFACE
Number of positions	50
No. of channels	16

### 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 SIEMENS S7-400

Suitable I/O card	6ES7431-0HH0-0AB0
	6ES7431-1KF00-0AB0
	6ES7431-1KF10-0AB0
	6ES7431-1KF20-0AB0
	6ES7431-7KF00-0AB0
	6ES7431-7KF10-0AB0
	6ES7431-7QH00-0AB0
	6ES7432-1HF00-0AB0

### 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	50
Insertion/withdrawal cycles	> 50
Pitch	2.54 mm

#### Connection 2 (field level)

Connection method	Screw connection
Stripping length	6 mm
Screw thread	M3

# UM 45-FLK50 - Termination board



2962612

<https://www.phoenixcontact.com/us/products/2962612>

Number of positions	50
Conductor cross section rigid	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section rigid (2 conductors with same cross section)	0.14 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
	0.25 mm <sup>2</sup> ... 1 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 flexible (2 conductors with same cross section)	0.14 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>
	0.25 mm <sup>2</sup> ... 0.5 mm <sup>2</sup> (Ferrule without plastic sleeve)
	0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup> (TWIN ferrule with plastic sleeve)
Conductor cross section AWG	26 ... 16
Tightening torque	0.5 Nm ... 0.6 Nm
Pitch	5.08 mm

## Signaling

Status display present	no
------------------------	----

## Dimensions

### Item dimensions

Width	151 mm
Height	45 mm
Depth	50.5 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

## Approvals

### UKCA

Certificate	UKCA-compliant
-------------	----------------

## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
-----------------------	----------------

# UM 45-FLK50 - Termination board



2962612

<https://www.phoenixcontact.com/us/products/2962612>

## 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-FLK50 - Termination board

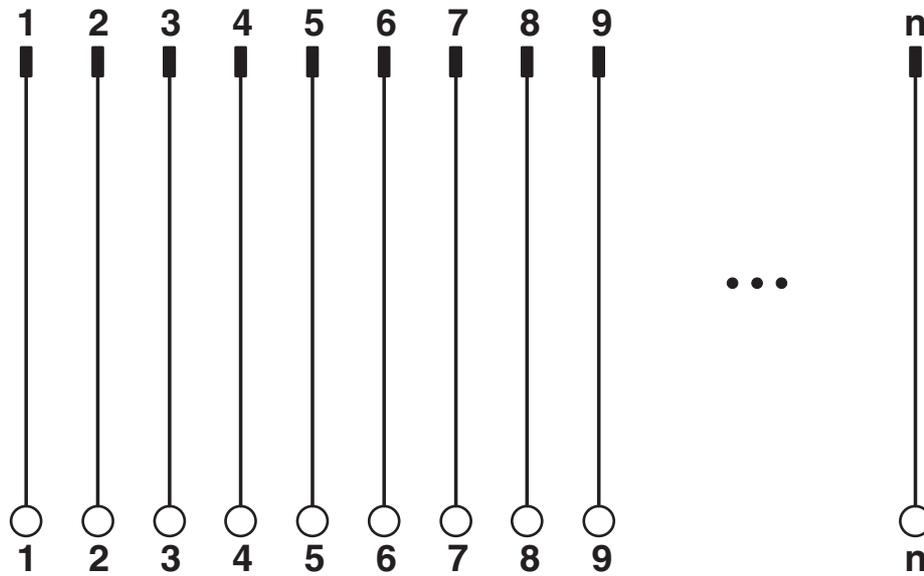
2962612

<https://www.phoenixcontact.com/us/products/2962612>



## Drawings

Circuit diagram



# UM 45-FLK50 - Termination board



2962612

<https://www.phoenixcontact.com/us/products/2962612>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2962612>

 <b>cUL Recognized</b> Approval ID: E118976				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Field wiring	125 V	1 A	-	-

 <b>UL Recognized</b> Approval ID: E118976				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Field wiring	125 V	1 A	-	-

# UM 45-FLK50 - Termination board



2962612

<https://www.phoenixcontact.com/us/products/2962612>

## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 9.0	EC002780
----------	----------

### UNSPSC

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

# UM 45-FLK50 - Termination board



2962612

<https://www.phoenixcontact.com/us/products/2962612>

## Environmental product compliance

### EU RoHS

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

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - 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](mailto:info@phoenixcon.com)