

UM 45-FLK40 - Termination board

2962609

<https://www.phoenixcontact.com/us/products/2962609>



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, 40 positions

Commercial data

Item number	2962609
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C422
Product key	DK21A1
GTIN	4017918087272
Weight per piece (including packing)	132 g
Weight per piece (excluding packing)	104.57 g
Customs tariff number	85369010
Country of origin	DE

UM 45-FLK40 - Termination board

2962609

<https://www.phoenixcontact.com/us/products/2962609>



Technical data

Product properties

Product type	Interface module
Product family	VARIOFACE
Number of positions	40
No. of channels	32

Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Oversupply 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	Screw connection
Stripping length	6 mm
Screw thread	M3
Number of positions	40
Conductor cross-section rigid	0.14 mm ² ... 1.5 mm ²
Conductor cross-section rigid (2 conductors with same cross section)	0.14 mm ² ... 0.75 mm ²

UM 45-FLK40 - Termination board

2962609

<https://www.phoenixcontact.com/us/products/2962609>



Conductor cross-section flexible	0.14 mm ² ... 1.5 mm ² 0.25 mm ² ... 1 mm ² (Ferrule without plastic sleeve) 0.25 mm ² ... 1.5 mm ² (Ferrule with plastic sleeve)
Conductor cross-section flexible (2 conductors with same cross section)	0.14 mm ² ... 0.75 mm ² 0.25 mm ² ... 0.5 mm ² (Ferrule without plastic sleeve) 0.5 mm ² ... 1 mm ² (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	125.8 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

Mounting

Mounting type	DIN rail mounting
Mounting position	any

UM 45-FLK40 - Termination board

2962609

<https://www.phoenixcontact.com/us/products/2962609>



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-FLK40 - Termination board

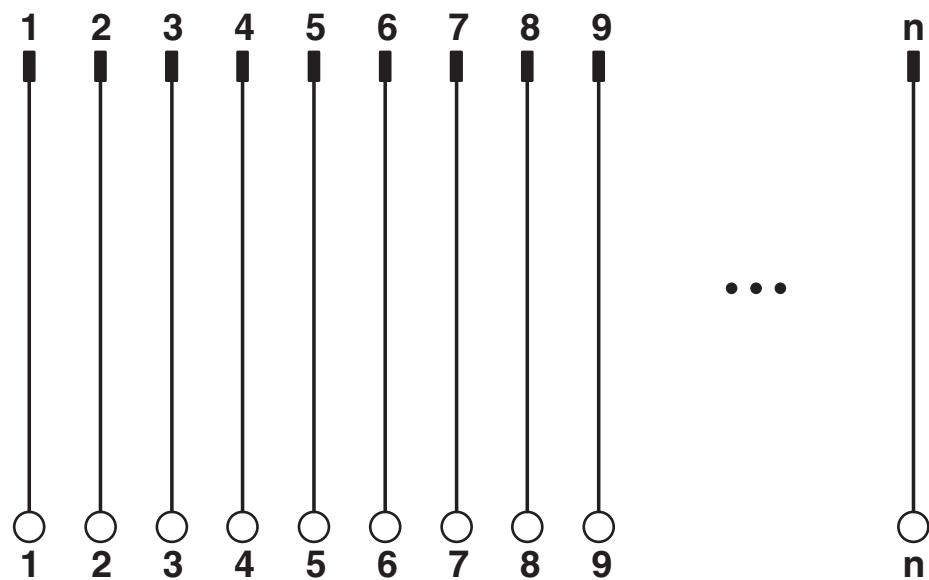
2962609

<https://www.phoenixcontact.com/us/products/2962609>



Drawings

Circuit diagram



UM 45-FLK40 - Termination board

2962609

<https://www.phoenixcontact.com/us/products/2962609>



Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2962609>

		cUL Recognized		
		Approval ID: E118976		
		Nominal voltage U_N	Nominal current I_N	Cross section AWG
keine				
Field wiring		125 V	1 A	-

		UL Recognized		
		Approval ID: E118976		
		Nominal voltage U_N	Nominal current I_N	Cross section AWG
keine				
Field wiring		125 V	1 A	-

UM 45-FLK40 - Termination board

2962609

<https://www.phoenixcontact.com/us/products/2962609>



Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

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

UNSPSC

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

UM 45-FLK40 - Termination board

2962609

<https://www.phoenixcontact.com/us/products/2962609>



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