

# FLKMS-D50 SUB/S - Termination board

2281746

<https://www.phoenixcontact.com/us/products/2281746>



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 D-Subminiature pin strip, for mounting on NS 35/7.5 or NS 32, 50-pos.

## Commercial data

Item number	2281746
Packing unit	5 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C422
Product key	DK2182
GTIN	4017918054991
Weight per piece (including packing)	256.49 g
Weight per piece (excluding packing)	256 g
Customs tariff number	85369010
Country of origin	DE

# FLKMS-D50 SUB/S - Termination board

2281746

<https://www.phoenixcontact.com/us/products/2281746>



## Technical data

### Product properties

Product type	Interface module
Product family	VARIOFACE

#### 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)	≤ 2.5 A
Current (Total current)	≤ 75 A

#### Air clearances and creepage distances

Rated insulation voltage	125 V
Rated surge voltage	1.2 kV (1.2/50 µs)

### Connection data

#### Connection 1 (control level)

Connection in acc. with standard	IEC 60807-2
Connection method	D-SUB pin strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	50
Insertion/withdrawal cycles	> 500
Pitch	2.77 mm

#### Connection 2 (field level)

Connection method	Screw connection
Stripping length	7 mm
Screw thread	M3
Number of positions	54
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section rigid (2 conductors with same cross section)	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 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> ... 2.5 mm <sup>2</sup> (Ferrule with plastic sleeve)
Conductor cross-section flexible (2 conductors with same cross section)	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
	0.2 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (Ferrule without plastic sleeve)
	0.5 mm <sup>2</sup> ... 0.5 mm <sup>2</sup> (TWIN ferrule with plastic sleeve)

# FLKMS-D50 SUB/S - Termination board

2281746

<https://www.phoenixcontact.com/us/products/2281746>



Conductor cross-section AWG	24 ... 12
Tightening torque	0.5 Nm ... 0.6 Nm
Pitch	5.08 mm

## Signaling

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

## Dimensions

Item dimensions	
Width	101.25 mm
Height	77 mm
Depth	70.97 mm

## Material specifications

Color	green (RAL 6021)
-------	------------------

## Environmental and real-life conditions

Ambient conditions	
Degree of protection (Module)	IP20
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.
--------------------	--

# FLKMS-D50 SUB/S - Termination board

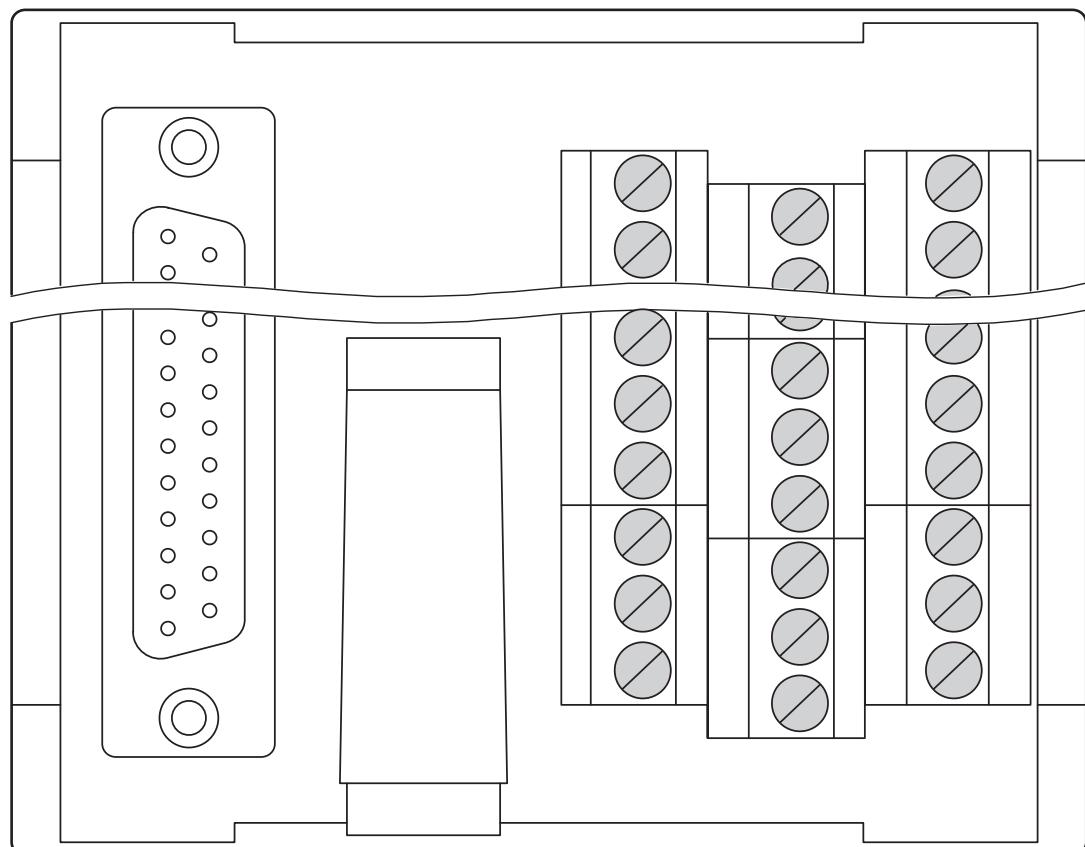
2281746

<https://www.phoenixcontact.com/us/products/2281746>

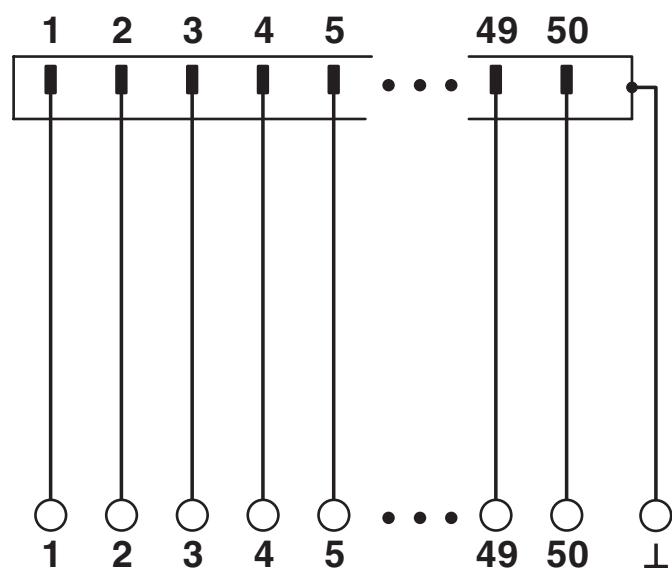


## Drawings

Schematic diagram



Circuit diagram



# FLKMS-D50 SUB/S - Termination board

2281746

<https://www.phoenixcontact.com/us/products/2281746>



## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

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

### UNSPSC

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

# FLKMS-D50 SUB/S - Termination board

2281746

<https://www.phoenixcontact.com/us/products/2281746>



## 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%
-------------------------------------	----------------------------

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)