

DFLK 40 - Termination board

2280271

<https://www.phoenixcontact.com/us/products/2280271>



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.



The VARIOFACE feed-through module implements a 1:1 connection between screw connection terminal blocks and an IDC/FLK pin strip (2.54 mm, number of positions: 40).

Commercial data

Item number	2280271
Packing unit	5 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C422
Product key	CK21C1
Catalog page	Page 582 (C-7-2015)
GTIN	4017918054380
Weight per piece (including packing)	132.41 g
Weight per piece (excluding packing)	1.36 g
Customs tariff number	85369010
Country of origin	DE

DFLK 40 - Termination board

2280271

<https://www.phoenixcontact.com/us/products/2280271>



Technical data

Product properties

Product type	Interface module
Product family	VARIOFACE
Number of positions	40
No. of channels	2
	4
	6
	8
	16
	32
Operating mode	100% operating factor

Data management status

Article revision	10
------------------	----

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
Current (Total current)	≤ 40 A (50 °C)

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

DFLK 40 - Termination board

2280271

<https://www.phoenixcontact.com/us/products/2280271>



Pitch	2.54 mm
-------	---------

Connection 2 (field level)

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of positions	16
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross-section rigid (2 conductors with same cross section)	0.2 mm ² ... 1.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
	0.25 mm ² ... 2.5 mm ² (Ferrule without plastic sleeve)
	0.25 mm ² ... 2.5 mm ² (Ferrule with plastic sleeve)
Conductor cross section flexible (2 conductors with same cross section)	0.2 mm ² ... 1.5 mm ²
	0.25 mm ² ... 0.75 mm ² (Ferrule without plastic sleeve)
	0.5 mm ² ... 1.5 mm ² (TWIN ferrule with plastic sleeve)
Conductor cross section AWG	24 ... 12
Tightening torque	0.5 Nm ... 0.6 Nm
Pitch	5 mm

Signaling

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

Dimensions

Item dimensions

Width	39.88 mm
Height	128.4 mm
Depth	47.24 mm

Material specifications

Color	gray (RAL 7042)
Housing insulation material	Polyamide 6.6 green

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

Approvals

UKCA

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

DFLK 40 - Termination board

2280271

<https://www.phoenixcontact.com/us/products/2280271>



Standards and regulations

Air clearances and creepage distances

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

Mounting

Mounting type	Rear 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.
--------------------	--

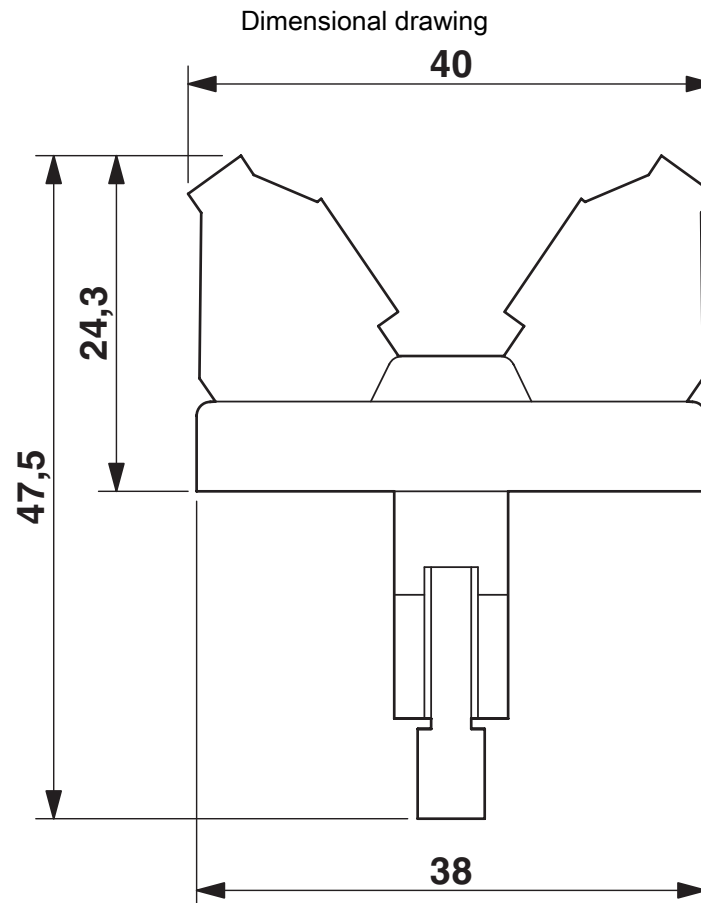
DFLK 40 - Termination board

2280271

<https://www.phoenixcontact.com/us/products/2280271>



Drawings



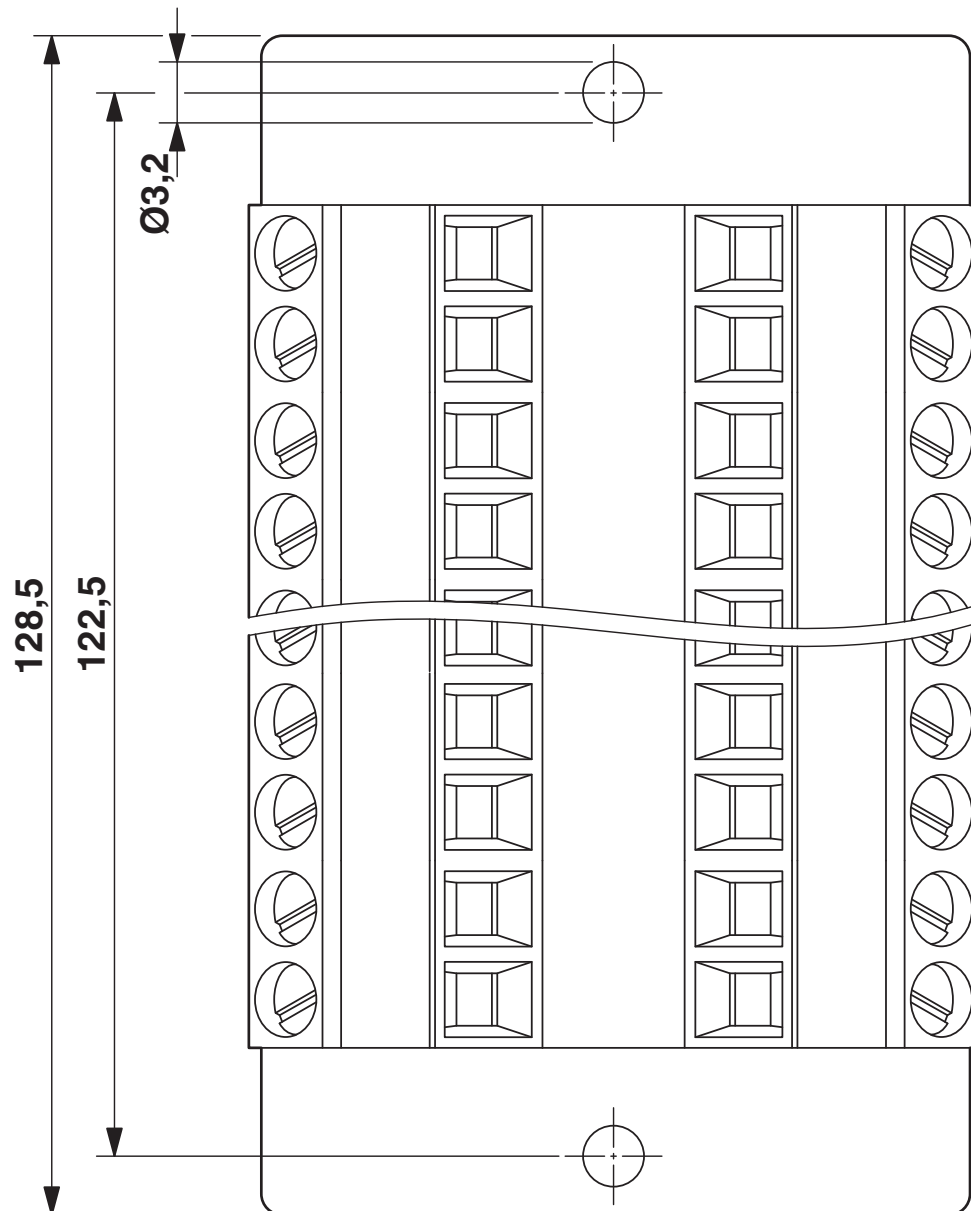
DFLK 40 - Termination board

2280271

<https://www.phoenixcontact.com/us/products/2280271>



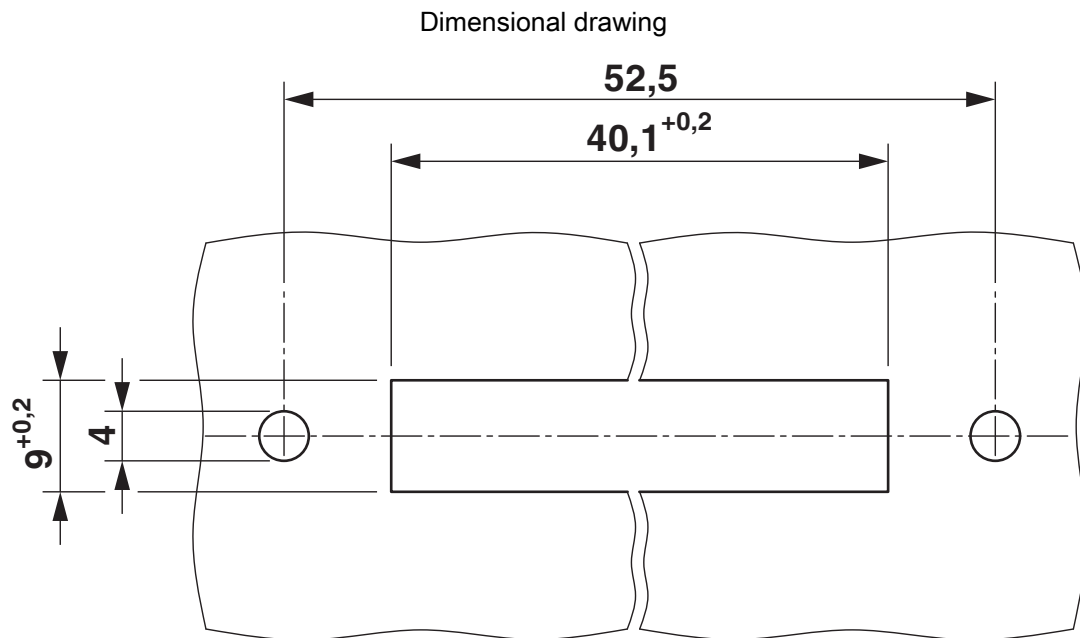
Dimensional drawing



DFLK 40 - Termination board

2280271

<https://www.phoenixcontact.com/us/products/2280271>



DFLK 40 - Termination board



2280271

<https://www.phoenixcontact.com/us/products/2280271>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

DFLK 40 - Termination board

2280271

<https://www.phoenixcontact.com/us/products/2280271>



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 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