

# DFLK-D 9 SUB/B - Interface module

2287135

<https://www.phoenixcontact.com/us/products/2287135>



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The VARIOFACE feed-through module implements a 1:1 connection between screw connection terminal blocks and a D-SUB miniature female strip (number of positions: 9). A separate ground pick-off is available.

## Your advantages

- 9-pos. ... 50-pos.
- 9-□...□37-pos.: separate ground pick-off
- 50-pos.: no ground pick-off
- In accordance with IEC□60807-2
- 1:1 connection
- Screw connection
- D-SUB 4-40 UNC thread

## Commercial data

Item number	2287135
Packing unit	5 pc
Minimum order quantity	1 pc
Sales key	C422
Product key	CK21C2
Catalog page	Page 556 (C-5-2019)
GTIN	4017918056032
Weight per piece (including packing)	43.11 g
Weight per piece (excluding packing)	35.03 g
Customs tariff number	85369010
Country of origin	DE

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## Technical data

### Product properties

Product type	Interface module
Product family	VARIOFACE
Number of positions	9

### Data management status

Article revision	14
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### Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overshoot 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)	≤ 22.5 A (50 °C)

### 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 socket strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	9
Insertion/withdrawal cycles	> 500
Pitch	2.74 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 <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> ... 2.5 mm <sup>2</sup> (Ferrule without plastic sleeve)

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	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>
	0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (Ferrule without plastic sleeve)
	0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (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
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## Dimensions

Item dimensions	
Width	40 mm
Height	58.5 mm
Depth	33.5 mm

## Material specifications

Color	gray (RAL 7042)
Housing insulation material	Polyamide PA non-reinforced

## 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

## Standards and regulations

Air clearances and creepage distances	
Standards/regulations	EN IEC 60664-1

## Mounting

Mounting type	Rear mounting
Thread type	()
Mounting position	any

## Notes

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## 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.

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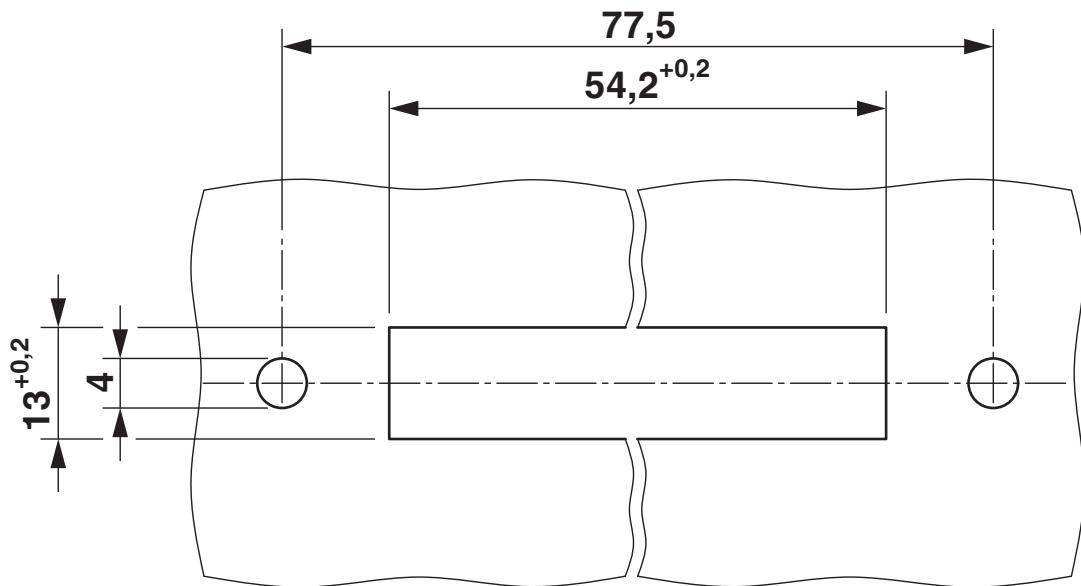
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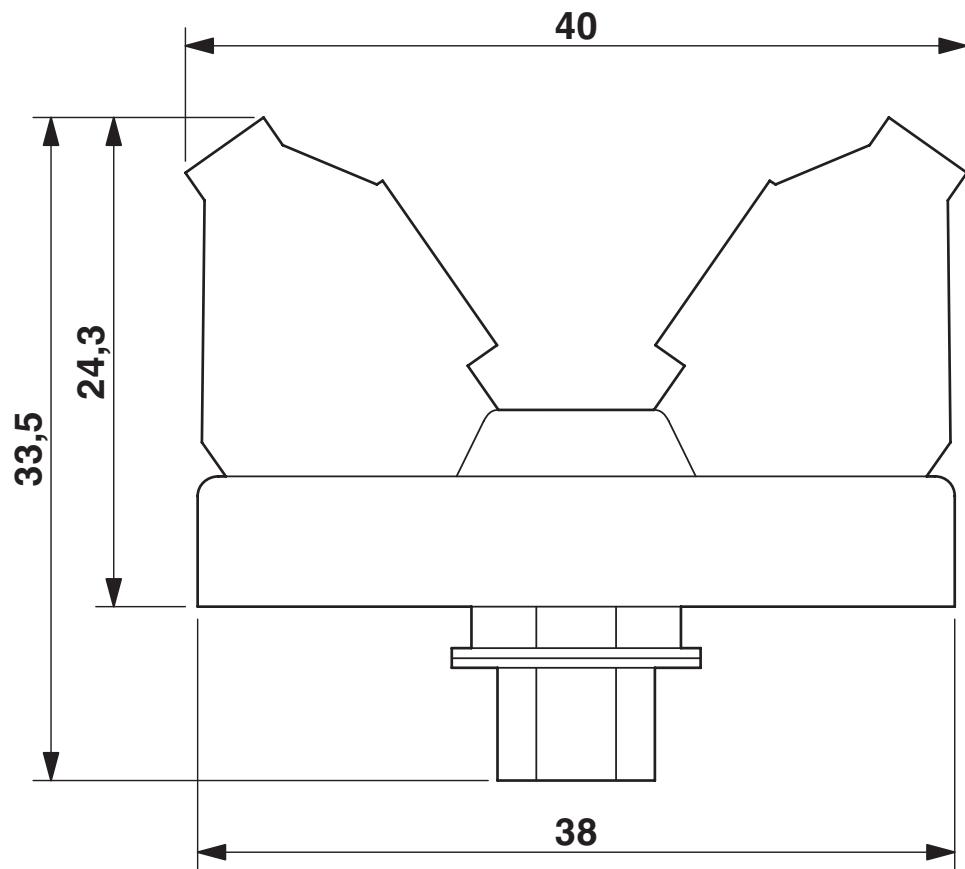


## Drawings

Dimensional drawing



Dimensional drawing



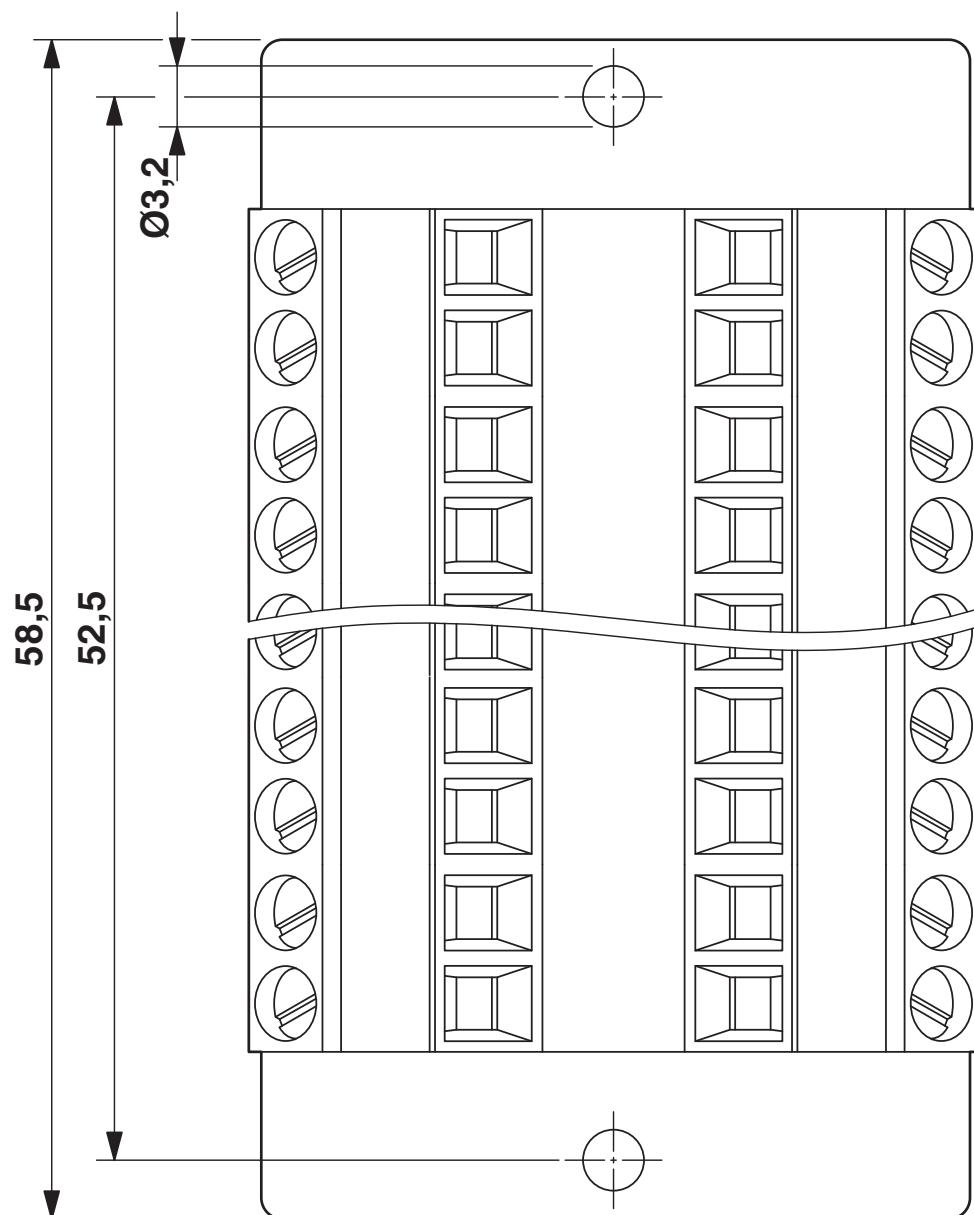
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Dimensional drawing



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## Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2287135>

cUL Recognized		Approval ID: FILE E 60425	
		Nominal voltage $U_N$	Nominal current $I_N$
		125 V	2.5 A
			Cross section AWG
			30 - 12
			Cross section $mm^2$
			-

UL Recognized		Approval ID: FILE E 60425	
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			-

cULus Recognized

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## Classifications

### ECLASS

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

### ETIM

ETIM 9.0	EC002780
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

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