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	5 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

Technical data

Product properties

Product type	Interface module
Product family	VARIOFACE
Number of positions	9

Insulation characteristics

Insulation	Functional insulation

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)	≤ 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 mm² ... 4 mm²
Conductor cross-section rigid (2 conductors with same cross section)	0.2 mm² ... 1.5 mm²
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
	0.25 mm² ... 2.5 mm² (Ferrule without plastic sleeve)

	0.25 mm² ... 2.5 mm² (Ferrule with plastic sleeve)
Conductor cross section flexible (2 conductors with same cross section)	0.2 mm² ... 1.5 mm²
	0.25 mm² ... 0.75 mm² (Ferrule without plastic sleeve)
	0.5 mm² ... 1.5 mm² (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	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
Mounting position	any

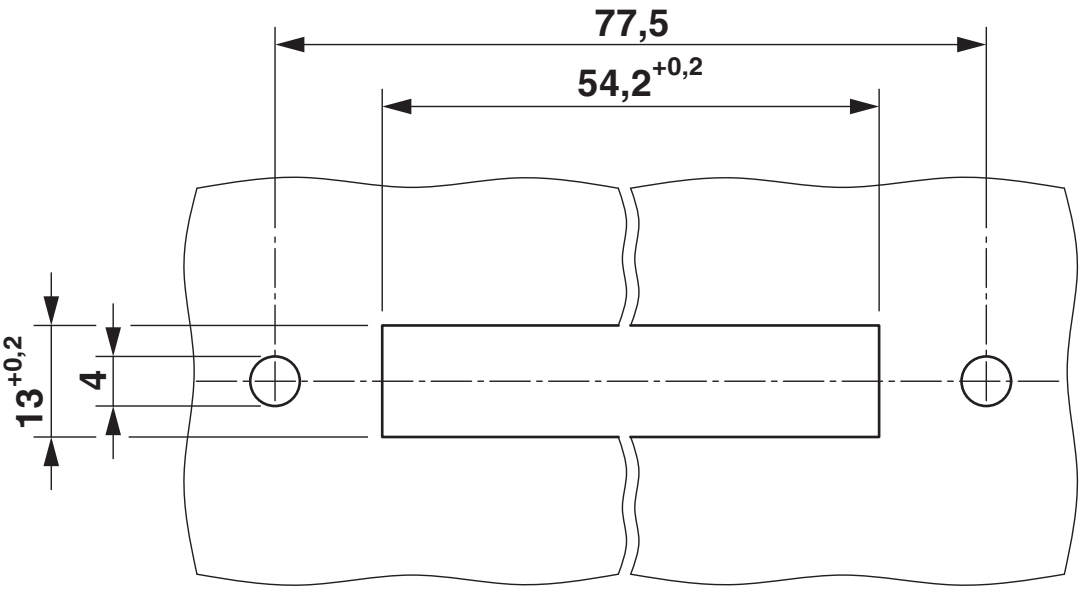
Notes

Notes on operation	For proper use, the specifications of the installation directive (see

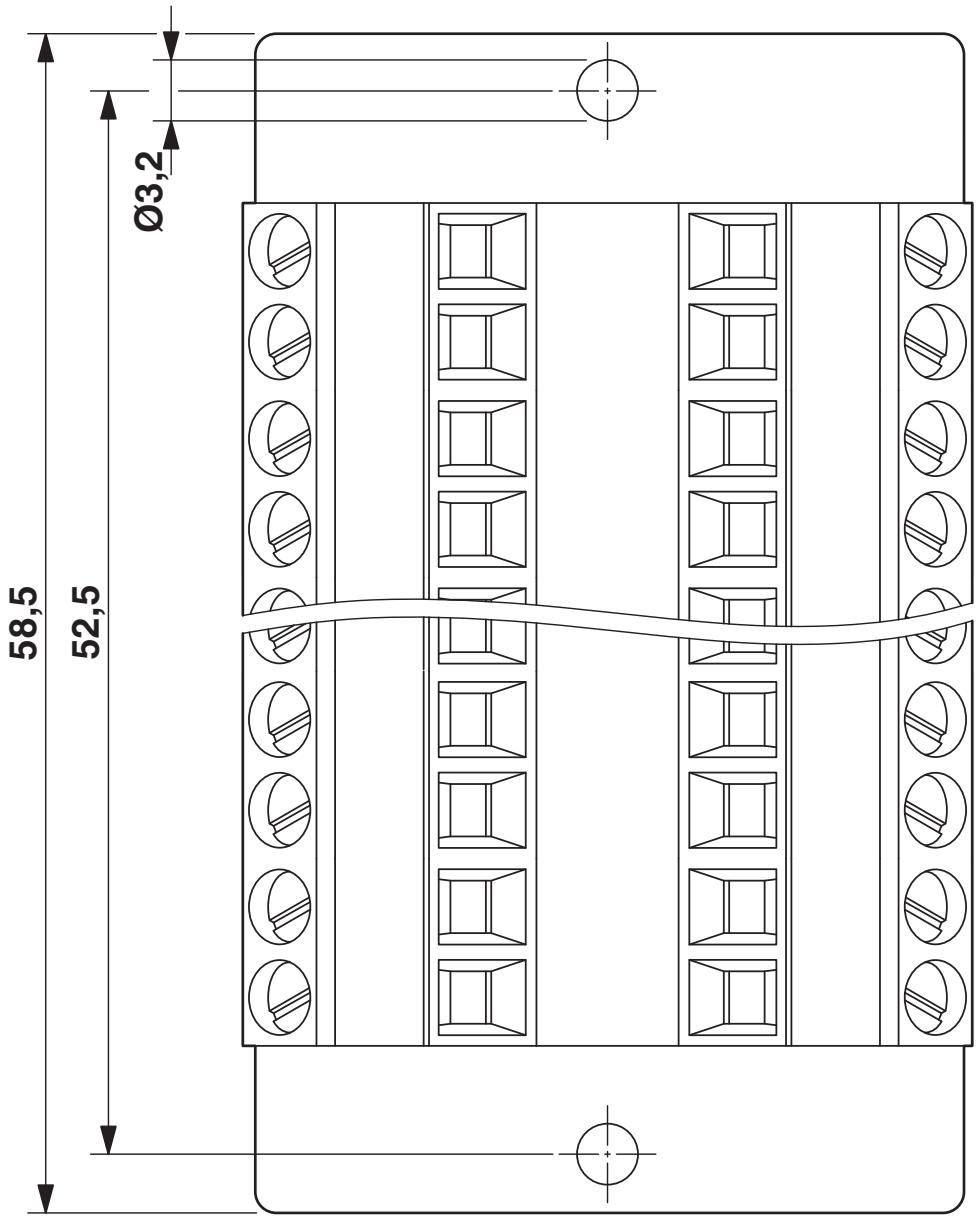
	Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.

Drawings

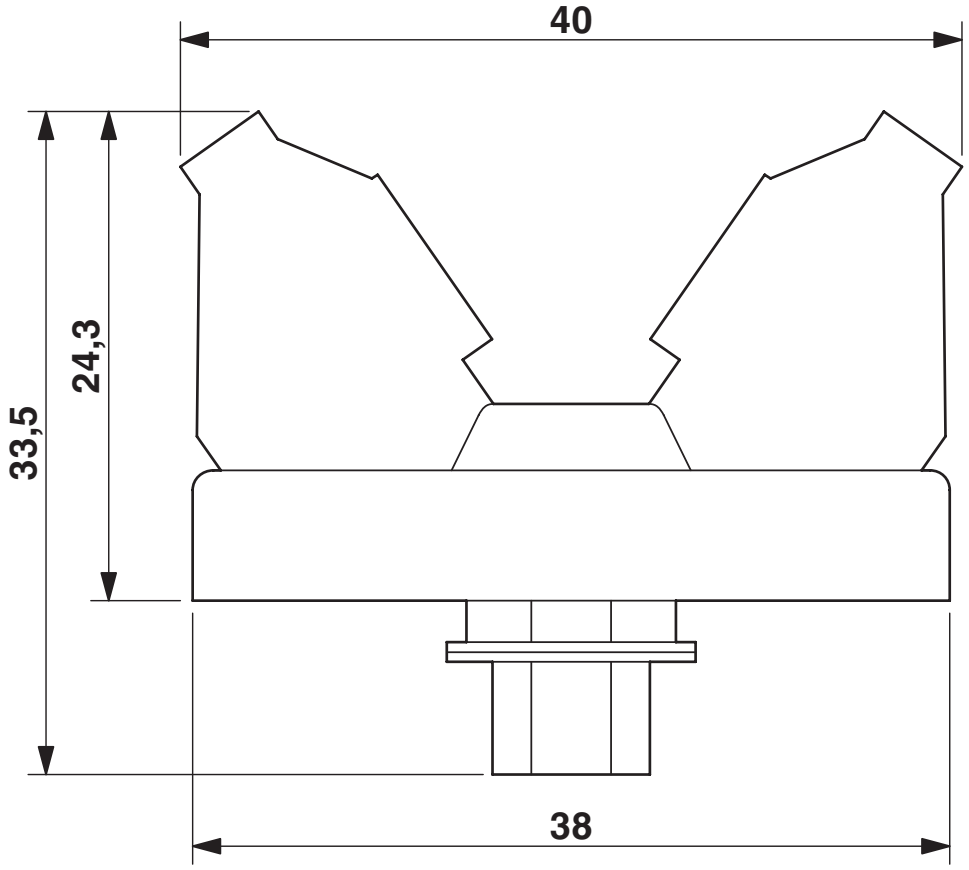
Dimensional drawing



Dimensional drawing



Dimensional drawing



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	Cross section AWG	Cross section mm^2
	125 V	2.5 A	30 - 12	-

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	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
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cULus Recognized

Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002780

UNSPSC

UNSPSC 21.0	39121400

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%

Accessories

CABLE D-SUB-S/.../.../... - Cable

2302340

https://www.phoenixcontact.com/us/products/2302340

Shielded round cable, assembled with one D-SUB female and pin strip (9-, 15-, 25-, 37-, or 50-pos.), variable cable length

CABLE D-SUB-S-S-S/.../.../... - Cable

2302434

https://www.phoenixcontact.com/us/products/2302434

Shielded round cable, assembled with two D-SUB pin strips (9-, 15-, 25-, 37-, or 50-pos.), variable cable length

CABLE-D 9SUB/B/S/ 50/KONFEK/S - Cable

2299987

https://www.phoenixcontact.com/us/products/2299987

Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 0.5 m

CABLE-D 9SUB/B/S/100/KONFEK/S - Cable

2299990

https://www.phoenixcontact.com/us/products/2299990

Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 1 m

CABLE-D 9SUB/B/S/150/KONFEK/S - Cable

2300009

https://www.phoenixcontact.com/us/products/2300009

Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 1.5 m

CABLE-D 9SUB/B/S/200/KONFEK/S - Cable

2302010

https://www.phoenixcontact.com/us/products/2302010

Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 2 m

CABLE-D 9SUB/B/S/300/KONFEK/S - Cable

2302023

https://www.phoenixcontact.com/us/products/2302023

Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 3 m

CABLE-D 9SUB/B/S/400/KONFEK/S - Cable

2302036

https://www.phoenixcontact.com/us/products/2302036

Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 4 m

CABLE-D 9SUB/B/S/600/KONFEK/S - Cable

2302049

https://www.phoenixcontact.com/us/products/2302049

Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 6 m

CABLE-D 9SUB/B/S/HF/S/ 1,0M - Cable

1066591

https://www.phoenixcontact.com/us/products/1066591

Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 1 m

CABLE-D 9SUB/B/S/HF/S/ 2,0M - Cable

1066592

https://www.phoenixcontact.com/us/products/1066592

Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 2 m

CABLE-D 9SUB/B/S/HF/S/ 3,0M - Cable

1066593

https://www.phoenixcontact.com/us/products/1066593

Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 3 m

CABLE-D 9SUB-B-S-HF-S/... - Cable

1075568

https://www.phoenixcontact.com/us/products/1075568

Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: variable

CABLE-D- 9SUB/M/OE/0,25/S/0,5M - Cable

2926360

https://www.phoenixcontact.com/us/products/2926360

Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 9-position); cable length: 0.5 m

CABLE-D- 9SUB/M/OE/0,25/S/1,0M - Cable

2926373

https://www.phoenixcontact.com/us/products/2926373

Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 9-position); cable length: 1 m

CABLE-D- 9SUB/M/OE/0,25/S/1,5M - Cable

2926386

https://www.phoenixcontact.com/us/products/2926386

Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 9-position); cable length: 1.5 m

CABLE-D- 9SUB/M/OE/0,25/S/2,0M - Cable

2926399

https://www.phoenixcontact.com/us/products/2926399

Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 9-position); cable length: 2 m

CABLE-D- 9SUB/M/OE/0,25/S/3,0M - Cable

2926409

https://www.phoenixcontact.com/us/products/2926409

Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 9-position); cable length: 3 m

CABLE-D- 9SUB/M/OE/0,25/S/4,0M - Cable

2926412

https://www.phoenixcontact.com/us/products/2926412

Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 9-position); cable length: 4 m

CABLE-D- 9SUB/M/OE/0,25/S/6,0M - Cable

2926425

https://www.phoenixcontact.com/us/products/2926425

Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 9-position); cable length: 6 m

CABLE-D- 9SUB-M-OE-0,25-S/... - Cable

2900909

https://www.phoenixcontact.com/us/products/2900909

Assembled shielded round cable; connection 1: Single wires (9-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB pin strip (1x 9-position); cable length: variable

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