

DFLK-D 9 SUB/F/FKCT - Interface module



2903063

<https://www.phoenixcontact.com/us/products/2903063>

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

Commercial data

Item number	2903063
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C422
Product key	CK21C2
Catalog page	Page 590 (C-7-2015)
GTIN	4046356709613
Weight per piece (including packing)	62.6 g
Weight per piece (excluding packing)	62.6 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Product properties

Product type	Interface module
Product family	VARIOFACE
Number of positions	9

Insulation characteristics

Insulation	Functional insulation
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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	Push-in spring connection
Stripping length	10 mm
Number of positions	10
Conductor cross section rigid	0.2 mm² ... 2.5 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)	0.5 mm² ... 1.5 mm² (TWIN ferrule with plastic sleeve)

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Conductor cross section AWG	24 ... 12
Pitch	5 mm

Signaling

Status display present	No
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Dimensions

Item dimensions

Width	38 mm
Height	58.4 mm
Depth	46 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
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Standards and regulations

Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
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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.
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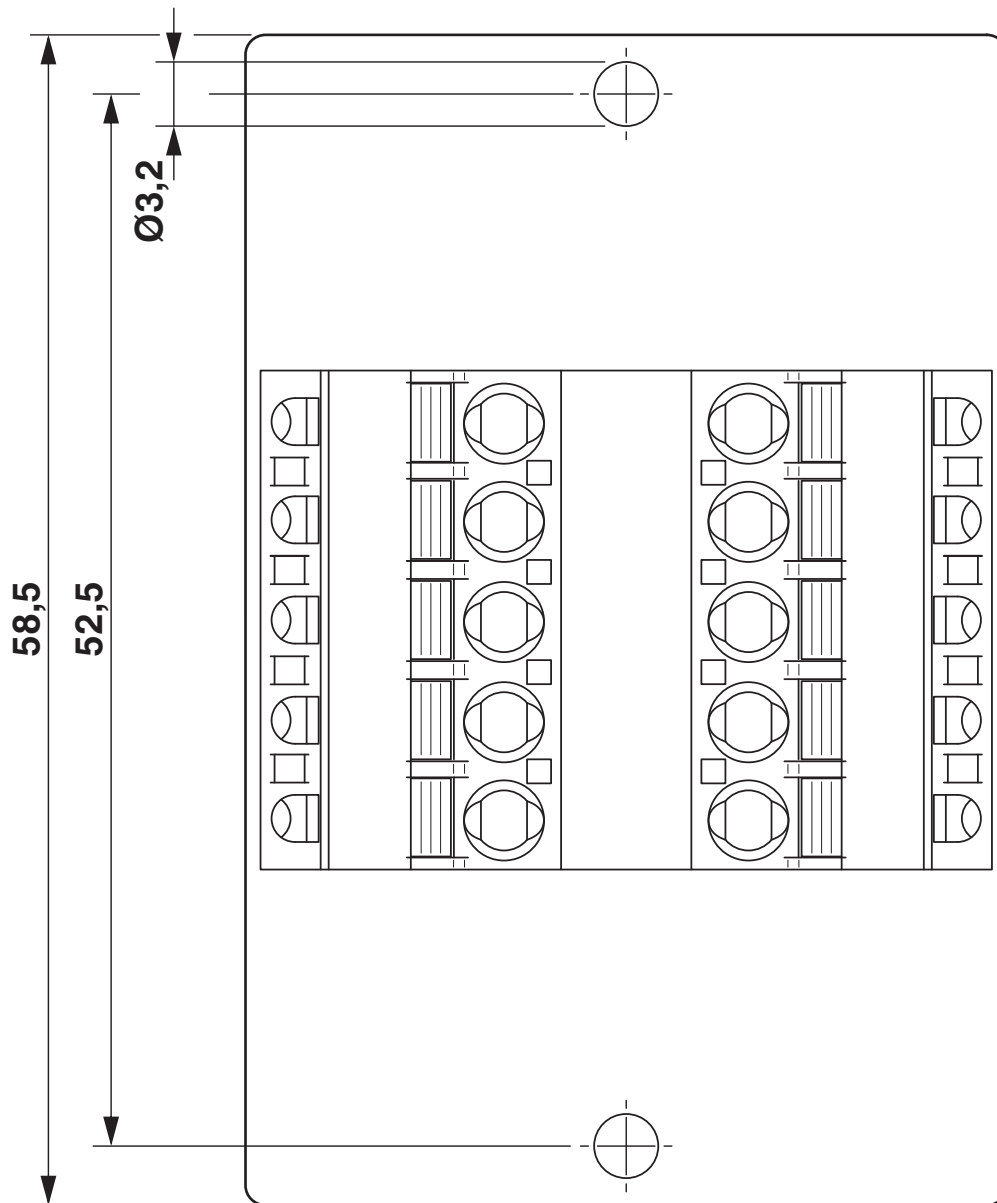


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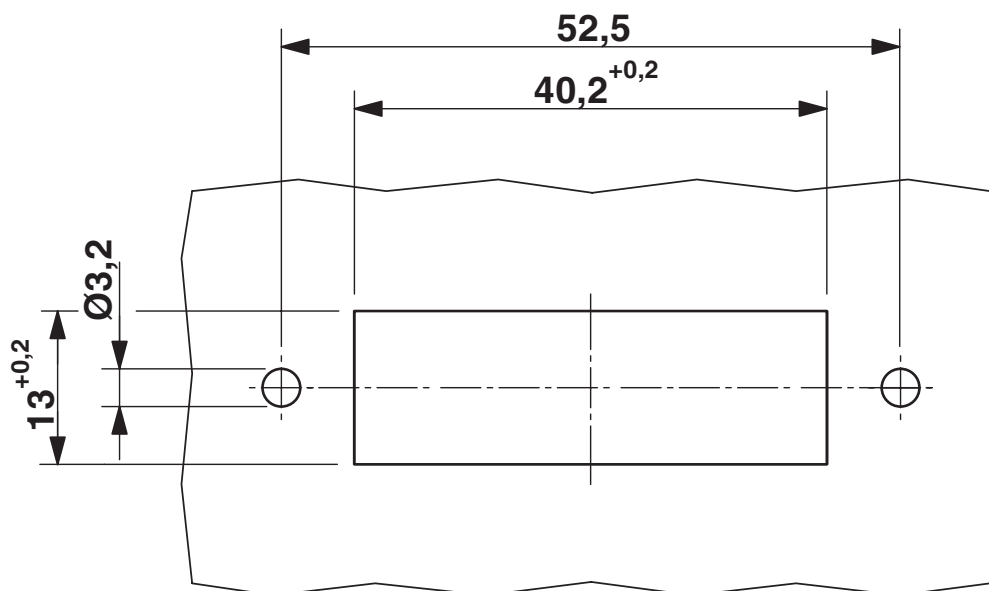
<https://www.phoenixcontact.com/us/products/2903063>

Drawings

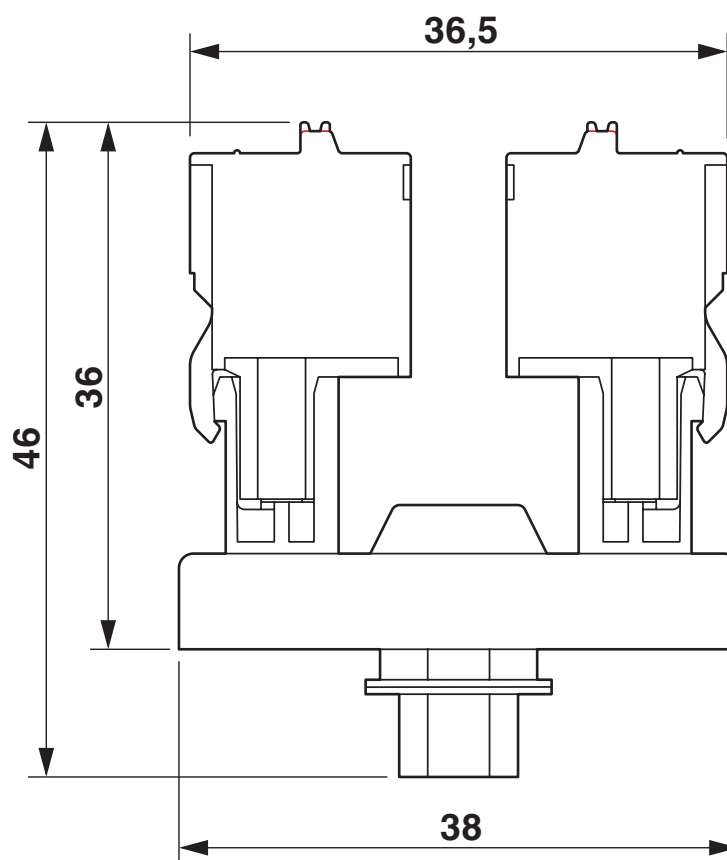
Dimensional drawing



Dimensional drawing



Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2903063>

 cUL Recognized Approval ID: FILE E 238705				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	125 V	1 A	30 - 12	-

 UL Recognized Approval ID: FILE E 238705				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
	125 V	1 A	30 - 12	-

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
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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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

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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

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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

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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

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

2302049

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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

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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

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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

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

2926373

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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

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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

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

2926399

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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

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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

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

2926412

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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

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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

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

2900909

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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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