

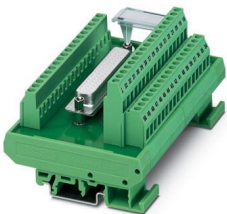
# FLKM-D50 SUB/S - Interface module



2281157

<https://www.phoenixcontact.com/in/products/2281157>

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	2281157
Packing unit	5 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	CK2
Product Key	CK2222
Catalog Page	Page 225 (IF-2002)
GTIN	4017918054601
Weight per Piece (including packing)	236.1 g
Weight per Piece (excluding packing)	236.1 g
Customs tariff number	85369010
Country of origin	DE

# FLKM-D50 SUB/S - Interface module



2281157

<https://www.phoenixcontact.com/in/products/2281157>

## Technical Data

### Notes

Notes on operation	No additional touch protection is required when using a SELV/PELV voltage ( $\leq 25$ V AC or 60 V DC).
Notes on operation	Against adjacent modules in the support rail direction at least one functional insulation on the output-side is complied with. If the application has higher requirements on the insulation (basic insulation or reinforced insulation), then these must be realized through suitable measures (e. g. partition plates).

### Product properties

Product type	Interface module
Product family	VARIOFACE
Number of positions	50
Operating mode	100% operating factor

### Insulation characteristics

Insulation	Functional insulation
------------	-----------------------

### Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

### Electrical properties

Max. permissible operating voltage	25 V AC
	60 V DC
Max. permissible current	2.5 A (per path)
Max. permissible total current	90 A ( $T_A = 50^\circ\text{C}$ )

### Air clearances and creepage distances

Rated insulation voltage	125 V
Rated surge voltage	1.2 kV

### Connection data

#### Field level

Connection in acc. with standard	IEC / EN
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12

#### Controller level

# FLKM-D50 SUB/S - Interface module



2281157

<https://www.phoenixcontact.com/in/products/2281157>

Connection method	D-SUB pin strip
Number of positions	50

## Signaling

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

## Dimensions

Width	112.5 mm
Height	77 mm
Depth	57.5 mm

## Material specifications

Housing insulation material	Polyamide 6 green
-----------------------------	-------------------

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Degree of protection (Installation location)	≥ IP54 (Installation location)
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	DIN EN 50178
-----------------------	--------------

## Mounting

Mounting type	DIN rail mounting
Assembly instructions	in rows with zero spacing
Mounting position	any

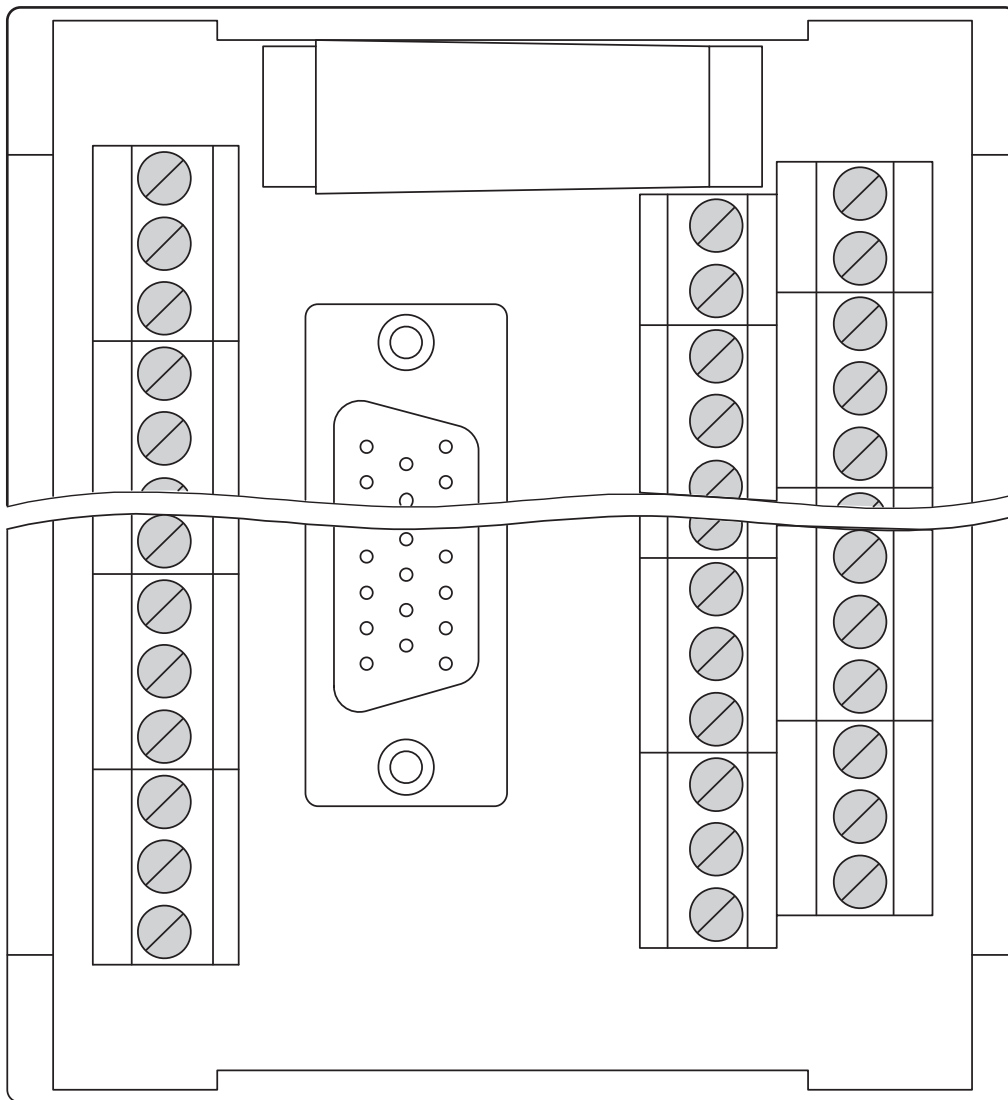
# FLKM-D50 SUB/S - Interface module

2281157

<https://www.phoenixcontact.com/in/products/2281157>

## Drawings

Schematic diagram



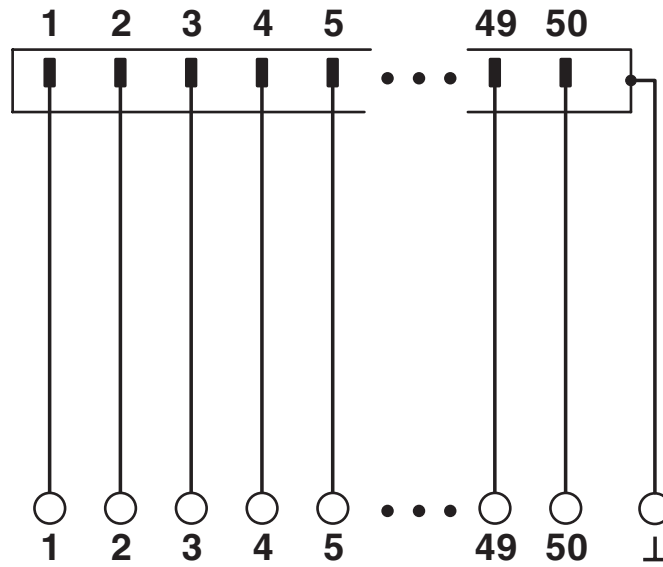
# FLKM-D50 SUB/S - Interface module

2281157

<https://www.phoenixcontact.com/in/products/2281157>



Circuit diagram




# FLKM-D50 SUB/S - Interface module




2281157

<https://www.phoenixcontact.com/in/products/2281157>

## Approvals

 <b>cUL Recognized</b> Approval ID: FILE E 118976				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
Field wiring	125 V	2.5 A	30 - 12	-

 <b>UL Recognized</b> Approval ID: FILE E 118976				
	Nominal Voltage $U_N$	Nominal Current $I_N$	Cross Section AWG	Cross Section $\text{mm}^2$
Field wiring	125 V	2.5 A	30 - 12	-

# FLKM-D50 SUB/S - Interface module



2281157

<https://www.phoenixcontact.com/in/products/2281157>

## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	EC002780
----------	----------

### UNSPSC

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

# FLKM-D50 SUB/S - Interface module



2281157

<https://www.phoenixcontact.com/in/products/2281157>

## Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values



# FLKM-D50 SUB/S - Interface module

2281157

<https://www.phoenixcontact.com/in/products/2281157>

## Accessories

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

2302340

<https://www.phoenixcontact.com/in/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-B-B-S/.../.../... - Cable

2302421

<https://www.phoenixcontact.com/in/products/2302421>



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

# FLKM-D50 SUB/S - Interface module

2281157

<https://www.phoenixcontact.com/in/products/2281157>



## CABLE-D50SUB/B/S/ 50/KONFEK/S - Cable

2302269

<https://www.phoenixcontact.com/in/products/2302269>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 50-position); connection 2: D-SUB pin strip (1x 50-position); cable length: 0.5 m

---

## CABLE-D50SUB/B/S/100/KONFEK/S - Cable

2302272

<https://www.phoenixcontact.com/in/products/2302272>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 50-position); connection 2: D-SUB pin strip (1x 50-position); cable length: 1 m

# FLKM-D50 SUB/S - Interface module

2281157

<https://www.phoenixcontact.com/in/products/2281157>



## CABLE-D50SUB/B/S/150/KONFEK/S - Cable

2302285

<https://www.phoenixcontact.com/in/products/2302285>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 50-position); connection 2: D-SUB pin strip (1x 50-position); cable length: 1.5 m

---

## CABLE-D50SUB/B/S/200/KONFEK/S - Cable

2302298

<https://www.phoenixcontact.com/in/products/2302298>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 50-position); connection 2: D-SUB pin strip (1x 50-position); cable length: 2 m

# FLKM-D50 SUB/S - Interface module

2281157

<https://www.phoenixcontact.com/in/products/2281157>



## CABLE-D50SUB/B/S/300/KONFEK/S - Cable

2302308

<https://www.phoenixcontact.com/in/products/2302308>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 50-position); connection 2: D-SUB pin strip (1x 50-position); cable length: 3 m

---

## CABLE-D50SUB/B/S/400/KONFEK/S - Cable

2302311

<https://www.phoenixcontact.com/in/products/2302311>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 50-position); connection 2: D-SUB pin strip (1x 50-position); cable length: 4 m

# FLKM-D50 SUB/S - Interface module

2281157

<https://www.phoenixcontact.com/in/products/2281157>

## CABLE-D50SUB/B/S/600/KONFEK/S - Cable

2302324

<https://www.phoenixcontact.com/in/products/2302324>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 50-position); connection 2: D-SUB pin strip (1x 50-position); cable length: 6 m

---

## CABLE-D50SUB/B/S/HF/S/ 1,0M - Cable

1066678

<https://www.phoenixcontact.com/in/products/1066678>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 50-position); connection 2: D-SUB pin strip (1x 50-position); cable length: 1 m

# FLKM-D50 SUB/S - Interface module

2281157

<https://www.phoenixcontact.com/in/products/2281157>

## CABLE-D50SUB/B/S/HF/S/ 2,0M - Cable

1066679

<https://www.phoenixcontact.com/in/products/1066679>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 50-position); connection 2: D-SUB pin strip (1x 50-position); cable length: 2 m

---

## CABLE-D50SUB/B/S/HF/S/ 3,0M - Cable

1066681

<https://www.phoenixcontact.com/in/products/1066681>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 50-position); connection 2: D-SUB pin strip (1x 50-position); cable length: 3 m

# FLKM-D50 SUB/S - Interface module

2281157

<https://www.phoenixcontact.com/in/products/2281157>



## CABLE-D50SUB-B-S-HF-S/... - Cable

1075554

<https://www.phoenixcontact.com/in/products/1075554>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 50-position); connection 2: D-SUB pin strip (1x 50-position); cable length: variable

---

## CABLE-D-50SUB/F/OE/0,25/S/0,5M - Cable

2926292

<https://www.phoenixcontact.com/in/products/2926292>



Assembled shielded round cable; connection 1: Single wires (50-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 50-position); cable length: 0.5 m

# FLKM-D50 SUB/S - Interface module

2281157

<https://www.phoenixcontact.com/in/products/2281157>

## CABLE-D-50SUB/F/OE/0,25/S/1,0M - Cable

2926302

<https://www.phoenixcontact.com/in/products/2926302>



Assembled shielded round cable; connection 1: Single wires (50-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 50-position); cable length: 1 m

---

## CABLE-D-50SUB/F/OE/0,25/S/1,5M - Cable

2926315

<https://www.phoenixcontact.com/in/products/2926315>



Assembled shielded round cable; connection 1: Single wires (50-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 50-position); cable length: 1.5 m



# FLKM-D50 SUB/S - Interface module

2281157

<https://www.phoenixcontact.com/in/products/2281157>

## CABLE-D-50SUB/F/OE/0,25/S/2,0M - Cable

2926328

<https://www.phoenixcontact.com/in/products/2926328>



Assembled shielded round cable; connection 1: Single wires (50-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 50-position); cable length: 2 m

---

## CABLE-D-50SUB/F/OE/0,25/S/3,0M - Cable

2926331

<https://www.phoenixcontact.com/in/products/2926331>



Assembled shielded round cable; connection 1: Single wires (50-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 50-position); cable length: 3 m

# FLKM-D50 SUB/S - Interface module

2281157

<https://www.phoenixcontact.com/in/products/2281157>

## CABLE-D-50SUB/F/OE/0,25/S/4,0M - Cable

2926344

<https://www.phoenixcontact.com/in/products/2926344>



Assembled shielded round cable; connection 1: Single wires (50-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 50-position); cable length: 4 m

---

## CABLE-D-50SUB/F/OE/0,25/S/6,0M - Cable

2926357

<https://www.phoenixcontact.com/in/products/2926357>



Assembled shielded round cable; connection 1: Single wires (50-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 50-position); cable length: 6 m

# FLKM-D50 SUB/S - Interface module



2281157

<https://www.phoenixcontact.com/in/products/2281157>

## CABLE-D-50SUB-F-OE-0,25-S/... - Cable

2900908

<https://www.phoenixcontact.com/in/products/2900908>



Assembled shielded round cable; connection 1: Single wires (50-position) (The wires are marked and fitted with ferrules. The braided shield is routed to a separate cable end.); connection 2: D-SUB socket strip (1x 50-position); cable length: variable

---

Phoenix Contact 2023 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

[info@phoenixcontact.co.in](mailto:info@phoenixcontact.co.in)