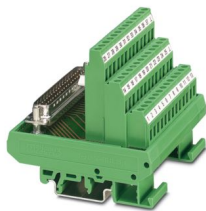


FLKMS-D50 SUB/S - Interface module



2281746
<https://www.phoenixcontact.com/us/products/2281746>

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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	2281746
Packing unit	5 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C422
Product key	CK2182
Catalog page	Page 249 (IF-2007)
GTIN	4017918054991
Weight per piece (including packing)	256.49 g
Weight per piece (excluding packing)	256 g
Customs tariff number	85369010
Country of origin	DE

Technical data

Product properties

Product type	Interface module
Product family	VARIOFACE

Data management status

Article revision	12
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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)	≤ 75 A

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 pin strip
Screw thread	UNC 4-40
Number of connections	1
Number of positions	50
Insertion/withdrawal cycles	> 500
Pitch	2.77 mm

Connection 2 (field level)

Connection method	Screw connection
Stripping length	7 mm
Screw thread	M3
Number of positions	54
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 ... 1.5 mm² (Ferrule without plastic sleeve)
	0.25 mm² ... 2.5 mm² (Ferrule with plastic sleeve)

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Conductor cross section flexible (2 conductors with same cross section)	0.2 mm² ... 1.5 mm²
	0.2 mm² ... 0.75 mm² (Ferrule without plastic sleeve)
	0.5 mm² ... 0.5 mm² (TWIN ferrule with plastic sleeve)
Conductor cross section AWG	24 ... 12
Tightening torque	0.5 Nm ... 0.6 Nm
Pitch	5.08 mm

Signaling

Status display present	No
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Dimensions

Item dimensions

Width	101.25 mm
Height	77 mm
Depth	70.97 mm

Material specifications

Color	green (RAL 6021)
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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

Standards and regulations

Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
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Mounting

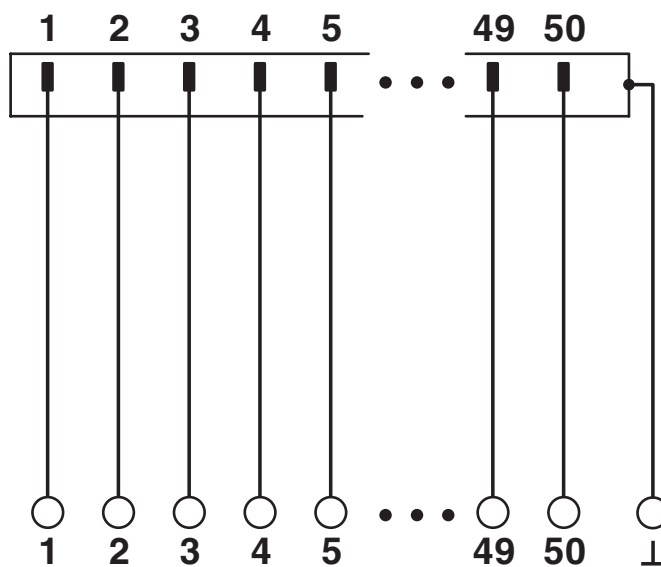
Mounting type	DIN rail mounting
Mounting position	any

Notes

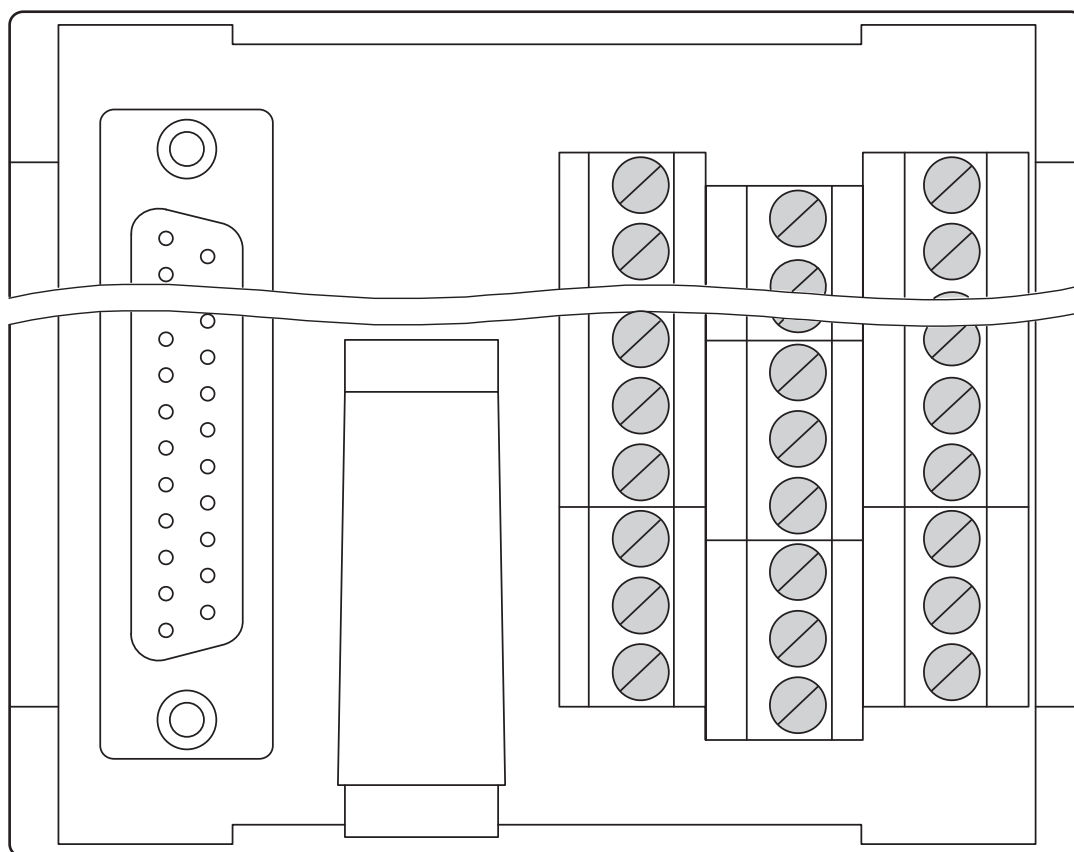
Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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Drawings

Circuit diagram



Schematic diagram



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Classifications

ECLASS

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

ETIM

ETIM 8.0	EC002780
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UNSPSC

UNSPSC 21.0	39121400
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FLKMS-D50 SUB/S - Interface module



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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-B-B-S/.../.../... - Cable

2302421

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



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

FLKMS-D50 SUB/S - Interface module



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

2302269

<https://www.phoenixcontact.com/us/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/us/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

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

2302285

<https://www.phoenixcontact.com/us/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/us/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

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

2302308

<https://www.phoenixcontact.com/us/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/us/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

FLKMS-D50 SUB/S - Interface module



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

2302324

<https://www.phoenixcontact.com/us/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/us/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

FLKMS-D50 SUB/S - Interface module



2281746

<https://www.phoenixcontact.com/us/products/2281746>

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

1066679

<https://www.phoenixcontact.com/us/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/us/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

FLKMS-D50 SUB/S - Interface module

2281746

<https://www.phoenixcontact.com/us/products/2281746>



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

1075554

<https://www.phoenixcontact.com/us/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/us/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

FLKMS-D50 SUB/S - Interface module



2281746

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

2926302

<https://www.phoenixcontact.com/us/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/us/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

FLKMS-D50 SUB/S - Interface module



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

2926328

<https://www.phoenixcontact.com/us/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/us/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

FLKMS-D50 SUB/S - Interface module



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

2926344

<https://www.phoenixcontact.com/us/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/us/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

FLKMS-D50 SUB/S - Interface module

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

2900908

<https://www.phoenixcontact.com/us/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

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