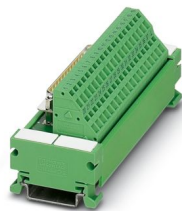


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VARIOFACE module, with spring-cage connection and D-Subminiature pin strip, for mounting on NS 35/7.5, 50-pos.

Your advantages

- 9-pos. ... 50-pos.
- Spring-cage connection technology
- In accordance with IEC 60807-2
- 1:1 connection

Commercial data

Item number	2293653
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CK2
Product key	DK21A2
Catalog page	Page 308 (IF-2011)
GTIN	4017918120559
Weight per piece (including packing)	187 g
Weight per piece (excluding packing)	148.36 g
Customs tariff number	85369010
Country of origin	DE

# UM 45-D50SUB/S/ZFKDS - Termination board



2293653

<https://www.phoenixcontact.com/in/products/2293653>

## Technical data

### Product properties

Product type	Interface module
Number of positions	50

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	Spring-cage connection
Stripping length	7.5 mm
Number of positions	52
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (Ferrule without plastic sleeve)
	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (Ferrule with plastic sleeve)
Conductor cross section AWG	24 ... 14
Pitch	5.08 mm

### Signaling

Status display present	No
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# UM 45-D50SUB/S/ZFKDS - Termination board



2293653

<https://www.phoenixcontact.com/in/products/2293653>

## Dimensions

### Item dimensions

Width	156 mm
Height	45 mm
Depth	49.7 mm

## Material specifications

Color	green (RAL 6021)
Housing insulation material	PVC

## 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	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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# UM 45-D50SUB/S/ZFKDS - Termination board

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## Drawings

Circuit diagram



# UM 45-D50SUB/S/ZFKDS - Termination board



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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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# UM 45-D50SUB/S/ZFKDS - Termination board



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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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# UM 45-D50SUB/S/ZFKDS - Termination board



2293653

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## Accessories

### SZF 0-0,4X2,5 - Screwdriver

1204504

<https://www.phoenixcontact.com/in/products/1204504>



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

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### 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

# UM 45-D50SUB/S/ZFKDS - Termination board

2293653

<https://www.phoenixcontact.com/in/products/2293653>



## 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

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## 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



# UM 45-D50SUB/S/ZFKDS - Termination board

2293653

<https://www.phoenixcontact.com/in/products/2293653>



## 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

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## 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

# UM 45-D50SUB/S/ZFKDS - Termination board



2293653

<https://www.phoenixcontact.com/in/products/2293653>

## 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

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## 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

# UM 45-D50SUB/S/ZFKDS - Termination board

2293653

<https://www.phoenixcontact.com/in/products/2293653>



## 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

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## 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

# UM 45-D50SUB/S/ZFKDS - Termination board



2293653

<https://www.phoenixcontact.com/in/products/2293653>

## 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

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## 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

# UM 45-D50SUB/S/ZFKDS - Termination board

2293653

<https://www.phoenixcontact.com/in/products/2293653>



## 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

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## 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

# UM 45-D50SUB/S/ZFKDS - Termination board



2293653

<https://www.phoenixcontact.com/in/products/2293653>

## 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

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## 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

# UM 45-D50SUB/S/ZFKDS - Termination board



2293653

<https://www.phoenixcontact.com/in/products/2293653>

## 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

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## 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

# UM 45-D50SUB/S/ZFKDS - Termination board



2293653

<https://www.phoenixcontact.com/in/products/2293653>

## 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

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## 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



# UM 45-D50SUB/S/ZFKDS - Termination board



2293653

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## 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

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## 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

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