

UM 45-D50SUB/S - Interface module

2962816

<https://www.phoenixcontact.com/us/products/2962816>



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VARIOFACE module, with screw connection and D-subminiature pin strip, for assembly on NS 35/7.5, 50 positions (no consecutive numbering)

Commercial data

Item number	2962816
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C422
Product key	CK21A2
Catalog page	Page 250 (IF-2007)
GTIN	4017918087470
Weight per piece (including packing)	170.06 g
Weight per piece (excluding packing)	136.85 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

Product properties

Product type	Interface module
Number of positions	50

Data management status

Article revision	11
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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 μ s)

Connection data

Connection 1 (control level)

Connection method	D-SUB pin strip
Screw thread	UNC 4-40
Number of positions	50
Pitch	2.77 mm

Connection 2 (field level)

Connection method	Screw connection
Stripping length	6 mm
Screw thread	M3
Number of positions	52
Conductor cross section rigid	0.14 mm ² ... 1.5 mm ²
Conductor cross-section rigid (2 conductors with same cross section)	0.14 mm ² ... 0.75 mm ²
Conductor cross section flexible	0.14 mm ² ... 1.5 mm ²
	0.25 mm ² ... 1 mm ² (Ferrule without plastic sleeve)
	0.25 mm ² ... 1.5 mm ² (Ferrule with plastic sleeve)
Conductor cross section flexible (2 conductors with same cross section)	0.14 mm ² ... 0.75 mm ²
	0.25 mm ² ... 0.5 mm ² (Ferrule without plastic sleeve)
	0.5 mm ² ... 1 mm ² (TWIN ferrule with plastic sleeve)

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Conductor cross section AWG	26 ... 16
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	156 mm
Height	45 mm
Depth	43.12 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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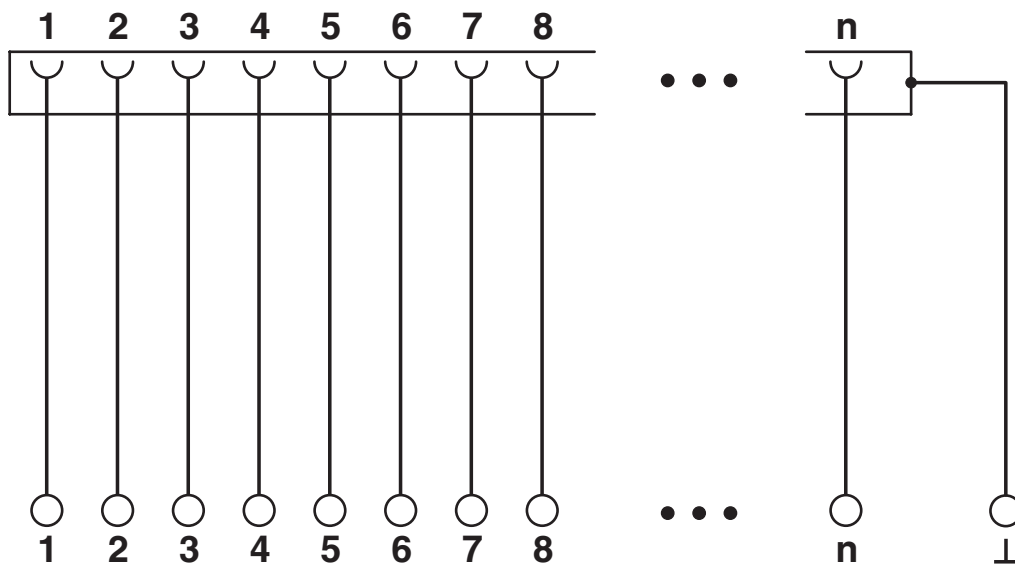
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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2962816>

cUL Recognized Approval ID: FILE E 118976				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Field wiring	125 V	2.5 A	30 - 14	-

UL Recognized Approval ID: FILE E 118976				
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cULus Recognized				
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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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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
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

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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

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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

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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

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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

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

2926302

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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

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

2926328

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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

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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

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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

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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

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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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