

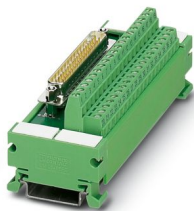
UM 45-D15SUB/S - Interface module



2962780

<https://www.phoenixcontact.com/us/products/2962780>

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VARIOFACE module, with screw connection and D-subminiature pin strip, for assembly on NS 35/7.5, 15 positions

Commercial data

Item number	2962780
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C422
Product key	CK21A2
Catalog page	Page 250 (IF-2007)
GTIN	4017918087449
Weight per piece (including packing)	81.1 g
Weight per piece (excluding packing)	49.86 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

Product properties

Product type	Interface module
Number of positions	15

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)	$\leq 30 \text{ V AC}$
Operating voltage (DC)	$\leq 60 \text{ V DC}$
Current (per branch)	$\leq 2.5 \text{ A}$
Current (Total current)	$\leq 37.5 \text{ A}$

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	15
Insertion/withdrawal cycles	> 500
Pitch	2.74 mm

Connection 2 (field level)

Connection method	Screw connection
Stripping length	6 mm
Screw thread	M3
Number of positions	16
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)

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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)
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	64 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
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instructions of the respective third-party manufacturer must also be met.

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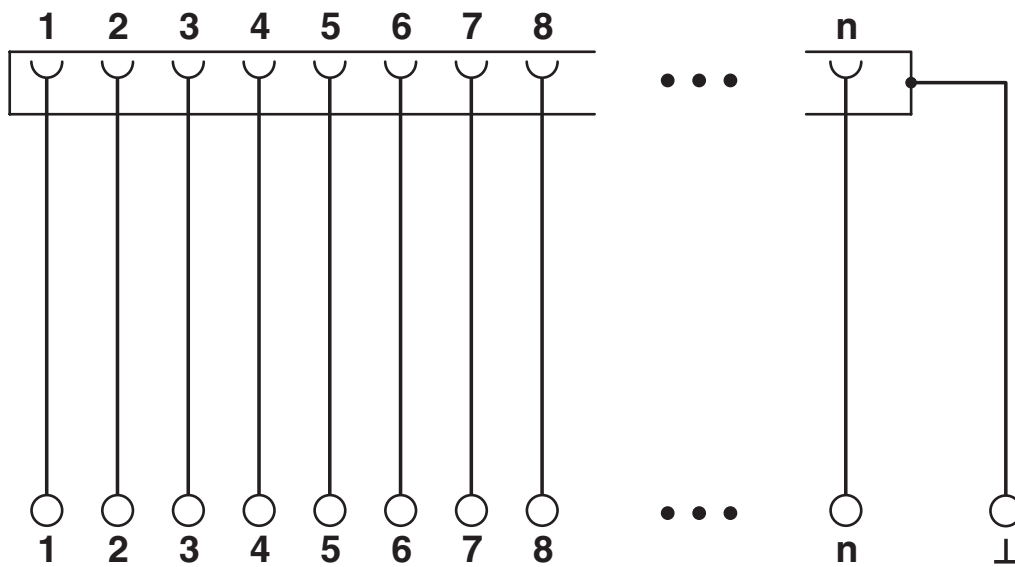
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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2962780>

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				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Field wiring	125 V	2.5 A	30 - 14	-

cULus Recognized				
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Classifications

ECLASS

ECLASS-11.0	27141152
ECLASS-13.0	27141152
ECLASS-12.0	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
Exemption	6(c)
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.)	Lead(CAS: 7439-92-1)

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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-D15SUB/B/S/ 50/KONFEK/S - Cable

2302052

<https://www.phoenixcontact.com/us/products/2302052>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 15-position); connection 2: D-SUB pin strip (1x 15-position); cable length: 0.5 m

CABLE-D15SUB/B/S/100/KONFEK/S - Cable

2302065

<https://www.phoenixcontact.com/us/products/2302065>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 15-position); connection 2: D-SUB pin strip (1x 15-position); cable length: 1 m

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CABLE-D15SUB/B/S/150/KONFEK/S - Cable

2302078

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Assembled shielded round cable; connection 1: D-SUB socket strip (1x 15-position); connection 2: D-SUB pin strip (1x 15-position); cable length: 1.5 m

CABLE-D15SUB/B/S/200/KONFEK/S - Cable

2302081

<https://www.phoenixcontact.com/us/products/2302081>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 15-position); connection 2: D-SUB pin strip (1x 15-position); cable length: 2 m

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CABLE-D15SUB/B/S/300/KONFEK/S - Cable

2302094

<https://www.phoenixcontact.com/us/products/2302094>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 15-position); connection 2: D-SUB pin strip (1x 15-position); cable length: 3 m

CABLE-D15SUB/B/S/400/KONFEK/S - Cable

2302104

<https://www.phoenixcontact.com/us/products/2302104>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 15-position); connection 2: D-SUB pin strip (1x 15-position); cable length: 4 m

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CABLE-D15SUB/B/S/600/KONFEK/S - Cable

2302117

<https://www.phoenixcontact.com/us/products/2302117>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 15-position); connection 2: D-SUB pin strip (1x 15-position); cable length: 6 m

CABLE-D15SUB/B/S/HF/S/ 1,0M - Cable

1066600

<https://www.phoenixcontact.com/us/products/1066600>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 15-position); connection 2: D-SUB pin strip (1x 15-position); cable length: 1 m

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CABLE-D15SUB/B/S/HF/S/ 2,0M - Cable

1066602

<https://www.phoenixcontact.com/us/products/1066602>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 15-position); connection 2: D-SUB pin strip (1x 15-position); cable length: 2 m

CABLE-D15SUB/B/S/HF/S/ 3,0M - Cable

1066603

<https://www.phoenixcontact.com/us/products/1066603>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 15-position); connection 2: D-SUB pin strip (1x 15-position); cable length: 3 m

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CABLE-D15SUB-B-S-HF-S/... - Cable

1075565

<https://www.phoenixcontact.com/us/products/1075565>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 15-position); connection 2: D-SUB pin strip (1x 15-position); cable length: variable

CABLE-D-15SUB/F/OE/0,25/S/0,5M - Cable

2926085

<https://www.phoenixcontact.com/us/products/2926085>



Assembled shielded round cable; connection 1: Single wires (15-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 15-position); cable length: 0.5 m

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CABLE-D-15SUB/F/OE/0,25/S/1,0M - Cable

2926098

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Assembled shielded round cable; connection 1: Single wires (15-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 15-position); cable length: 1 m

CABLE-D-15SUB/F/OE/0,25/S/1,5M - Cable

2926108

<https://www.phoenixcontact.com/us/products/2926108>



Assembled shielded round cable; connection 1: Single wires (15-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 15-position); cable length: 1.5 m

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CABLE-D-15SUB/F/OE/0,25/S/2,0M - Cable

2926111

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Assembled shielded round cable; connection 1: Single wires (15-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 15-position); cable length: 2 m

CABLE-D-15SUB/F/OE/0,25/S/3,0M - Cable

2926124

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Assembled shielded round cable; connection 1: Single wires (15-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 15-position); cable length: 3 m

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CABLE-D-15SUB/F/OE/0,25/S/4,0M - Cable

2926137

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Assembled shielded round cable; connection 1: Single wires (15-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 15-position); cable length: 4 m

CABLE-D-15SUB/F/OE/0,25/S/6,0M - Cable

2926140

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Assembled shielded round cable; connection 1: Single wires (15-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 15-position); cable length: 6 m

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CABLE-D-15SUB-F-OE-0,25-S/... - Cable

2900905

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Assembled shielded round cable; connection 1: Single wires (15-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 15-position); cable length: variable

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