

# 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	CK2223
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

### 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)	≤ 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 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 <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross section AWG	26 ... 16

### Signaling

Status display present	No
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### Dimensions

#### Item dimensions

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Width	156 mm
Height	45 mm
Depth	43.12 mm

## Material specifications

Housing insulation material	PVC
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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

## 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

General	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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## Approvals

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

 <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 - 14	-

 <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 - 14	-

<b>cULus Recognized</b>				
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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

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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