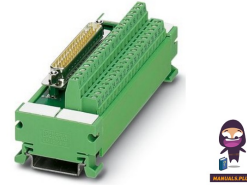


PHOENIX CONTACT UM 45-D25SUB-S Interface Module



PHOENIX CONTACT UM 45-D25SUB-S Interface Module Owner's Manual

[Home](#) » [PHOENIX CONTACT](#) » PHOENIX CONTACT UM 45-D25SUB-S Interface Module Owner's Manual 

Contents

- [1 PHOENIX CONTACT UM 45-D25SUB-S Interface Module](#)
- [2 Specifications](#)
- [3 Product Usage Instructions](#)
- [4 Commercial data](#)
- [5 Technical data](#)
- [6 Connection data](#)
- [7 Signaling](#)
- [8 Dimensions](#)
- [9 Mounting](#)
- [10 Mounting](#)
- [11 Drawings](#)
- [12 Classifications](#)
- [13 Accessories](#)
- [14 FAQ](#)
- [15 Documents / Resources](#)
 - [15.1 References](#)



PHOENIX CONTACT UM 45-D25SUB-S Interface Module



Specifications

- **Product Type:** Interface module
- **Number of Positions:** 25
- **Insulation Characteristics:** Functional insulation II 2
- **Operating Voltage (AC):** 30 V
- **Operating Voltage (DC):** 60 V
- **Current (Per Branch):** 2.5 A
- **Current (Total Current):** 62.5 A
- **Rated Insulation Voltage:** 125 V
- **Rated Surge Voltage:** 1.2 kV (1.2/50 s)
- **Connection Method:** Screw thread
- **Dimensions:** 90mm (Width) x 45mm (Height) x 43.12mm (Depth)
- **Housing Insulation Material:** PVC
- **Ambient Temperature (Operation):** Check user documentation for details

Product Usage Instructions

Installation

To install the interface module, follow these steps:

1. Ensure the mounting position is suitable for DIN rail mounting.
2. Refer to the installation directive in the user documentation for detailed specifications.
3. Mount the module securely on NS 35/7.5 using the screw connection provided.

Connection

To connect to the control level and field level, follow these guidelines:

- **Control Level:** Connection 1 using D-SUB pin strip UNC 4-40 with 25 positions.
- **Field Level:** Connection 2 with specified conductor cross-sections and stripping length.

Maintenance and Care

Regularly inspect the module for any signs of damage or wear. Keep the module free from dust and moisture for optimal performance.

UM 45-D25SUB/S – Interface module

2962793

<https://www.phoenixcontact.com/us/products/2962793>

Please be informed that the data shown in this PDF document is generated from our online catalogue. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

VARIOFACE module, with screw connection and D-subminiature pin strip, for assembly on NS 35/7.5, 25 positions

Commercial data

Item number	2962793
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C422
Product key	CK2223
Catalog page	Page 250 (IF-2007)
GTIN	4017918087456
Weight per piece (including packing)	101.4 g
Weight per piece (excluding packing)	103 g
Customs tariff number	85369010
Country of origin	DE

Technical data

Product properties

Product type	Interface module
Number of positions	25

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)	≤ 62.5 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 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	25
Insertion/withdrawal cycles	> 500
Pitch	2.77 mm

Connection 2 (field 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	25
Insertion/withdrawal cycles	> 500
Pitch	2.77 mm

Signaling

Status display present	No
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Dimensions

Item dimensions

Width	90 mm
Height	45 mm
Depth	43.12 mm

Material specifications

Housing insulation material	PVC
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Environmental and real-life 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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Item dimensions

Width	90 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

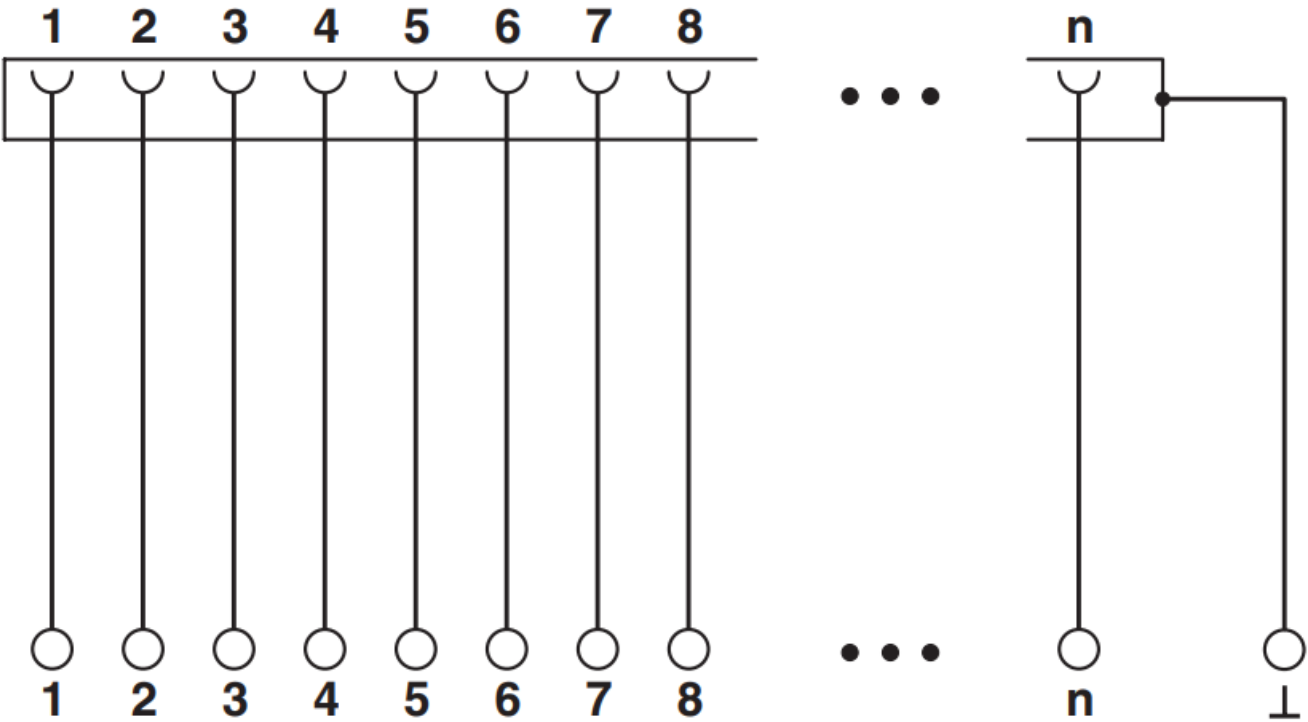
Mounting type	DIN rail mounting
Mounting position	any

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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Drawings

Circuit diagram



Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2962793>

cUL Recognized											
Approval ID: FILE E 118976											
Nominal		volt age	UN	Nominal	cur rent	IN	Cross section	AWG	Cross	sec tion	mm ²
Field wiring	125 V	2.5 A			30 – 14			—			

UL Recognized

Approval ID: FILE E 118976

Nominal	voltage	UN	Nominal	current	IN	Cross section	AWG	Cross	section	mm ²
Field wiring	125 V	2.5 A		30 – 14			–			

- cULus Recognized

Classifications**ECLASS**

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

ETIM

ETIM 8.0	EC002780
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UNSPS

UNSPSC 21.0	39121400
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Environmental product compliance

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

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

CABLE-D25SUB/B/S/ 50/KONFEK/S – Cable
2302120

<https://www.phoenixcontact.com/us/products/2302120>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 25- position); connection 2: D-SUB pin strip (1x 25-position); cable length: 0.5 m

CABLE-D25SUB/B/S/100/KONFEK/S – Cable
2302133

<https://www.phoenixcontact.com/us/products/2302133>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 25- position); connection 2: D-SUB pin strip (1x 25-position); cable length: 1 m

CABLE-D25SUB/B/S/150/KONFEK/S – Cable
2302146

<https://www.phoenixcontact.com/us/products/2302146>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 25- position); connection 2: D-SUB pin strip (1x 25-position); cable length: 1.5 m

CABLE-D25SUB/B/S/200/KONFEK/S – Cable
2302159

<https://www.phoenixcontact.com/us/products/2302159>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 25- position); connection 2: D-SUB pin strip (1x 25-position); cable length: 2 m

CABLE-D25SUB/B/S/300/KONFEK/S – Cable
2302162

<https://www.phoenixcontact.com/us/products/2302162>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 25- position); connection 2: D-SUB pin strip (1x 25-position); cable length: 3 m

CABLE-D25SUB/B/S/400/KONFEK/S – Cable
2302175

<https://www.phoenixcontact.com/us/products/2302175>



CABLE-D25SUB/B/S/600/KONFEK/S – Cable
2302188

<https://www.phoenixcontact.com/us/products/2302188>



Assembled shielded round cable; connection 1: D-SUB socket strip (1x 25-position); connection 2: D-SUB pin strip (1x 25-position); cable length: 6 m

CABLE-D25SUB/B/S/HF/S/ 1,0M – Cable
1066665

<https://www.phoenixcontact.com/us/products/1066665>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 25-position); connection 2: D-SUB pin strip (1x 25-position); cable length: 1 m

CABLE-D25SUB/B/S/HF/S/ 2,0M – Cable

1066666

<https://www.phoenixcontact.com/us/products/1066666>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 25-position); connection 2: D-SUB pin strip (1x 25-position); cable length: 2 m

CABLE-D25SUB/B/S/HF/S/ 3,0M – Cable

1066667

<https://www.phoenixcontact.com/us/products/1066667>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 25-position); connection 2: D-SUB pin strip (1x 25-position); cable length: 3 m

CABLE-D25SUB-B-S-HF-S/... – Cable

1075559

<https://www.phoenixcontact.com/us/products/1075559>



Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 25-position); connection 2: D-SUB pin strip (1x 25-position); cable length: variable

CABLE-D-25SUB/F/OE/0,25/S/0,5M – Cable
2926153

<https://www.phoenixcontact.com/us/products/2926153>



Assembled shielded round cable; connection 1: Single wires (25-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 25-position); cable length: 0.5 m

CABLE-D-25SUB/F/OE/0,25/S/1,0M – Cable
2926166

<https://www.phoenixcontact.com/us/products/2926166>



Assembled shielded round cable; connection 1: Single wires (25-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 25-position); cable length: 1 m

CABLE-D-25SUB/F/OE/0,25/S/1,5M – Cable
2926179

<https://www.phoenixcontact.com/us/products/2926179>



Assembled shielded round cable; connection 1: Single wires (25-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 25-position); cable length: 1.5 m

CABLE-D-25SUB/F/OE/0,25/S/2,0M – Cable
2926182

<https://www.phoenixcontact.com/us/products/2926182>



Assembled shielded round cable; connection 1: Single wires (25-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 25-position); cable length: 2 m

CABLE-D-25SUB/F/OE/0,25/S/3,0M – Cable
2926195

<https://www.phoenixcontact.com/us/products/2926195>



Assembled shielded round cable; connection 1: Single wires (25-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 25-position); cable length: 3 m

CABLE-D-25SUB/F/OE/0,25/S/4,0M – Cable
2926205

<https://www.phoenixcontact.com/us/products/2926205>



Assembled shielded round cable; connection 1: Single wires (25-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 25-position); cable length: 4 m

CABLE-D-25SUB/F/OE/0,25/S/6,0M – Cable
2926218

<https://www.phoenixcontact.com/us/products/2926218>



Assembled shielded round cable; connection 1: Single wires (25-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 25-position); cable length: 6 m

CABLE-D-25SUB/F/OE/0,25/S/10M – Cable
2906214

<https://www.phoenixcontact.com/us/products/2906214>



Assembled shielded round cable; connection 1: Single wires (25-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 25-position); cable length: 10 m

CABLE-D-25SUB/F/OE/0,25/S/15M – Cable
2906215

<https://www.phoenixcontact.com/us/products/2906215>



Assembled shielded round cable; connection 1: Single wires (25-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 25-position); cable length: 15 m

CABLE-D-25SUB/F/OE/0,25/S/20M – Cable
2906216

<https://www.phoenixcontact.com/us/products/2906216>



Assembled shielded round cable; connection 1: Single wires (25-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 25-position); cable length: 20 m

CABLE-D-25SUB-F-OE-0,25-S/... – Cable
2900906

<https://www.phoenixcontact.com/us/products/2900906>



Assembled shielded round cable; connection 1: Single wires (25-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 25-position); cable length: variable

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FAQ

- **Q: What is the maximum ambient temperature for operation?**
 - A: The maximum ambient temperature for operation is specified in the user documentation and must be adhered to for proper functioning of the module.
 - **Q: Can this module be used with third-party products?**
 - A: Yes, but ensure to follow the safety and warning instructions of the third-party manufacturer in addition to the specifications of this module.
-

Documents / Resources

	<p>PHOENIX CONTACT UM 45-D25SUB-S Interface Module [pdf] Owner's Manual UM 45-D25SUB-S Interface Module, UM 45-D25SUB-S, Interface Module, Module</p>
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References

- [CABLE-D25SUB/B/S/HF/S/ 1,0M - Cable - 1066665 | Phoenix Contact](#)
- [CABLE-D25SUB/B/S/HF/S/ 2,0M - Cable - 1066666 | Phoenix Contact](#)
- [CABLE-D25SUB/B/S/HF/S/ 3,0M - Cable - 1066667 | Phoenix Contact](#)
- [CABLE-D25SUB-B-S-HF-S/... - Cable - 1075559 | Phoenix Contact](#)
- [CABLE-D25SUB/B/S/150/KONFEK/S - Cable - 2302146 | Phoenix Contact](#)
- [CABLE-D25SUB/B/S/200/KONFEK/S - Cable - 2302159 | Phoenix Contact](#)
- [CABLE-D25SUB/B/S/300/KONFEK/S - Cable - 2302162 | Phoenix Contact](#)
- [CABLE-D25SUB/B/S/400/KONFEK/S - Cable - 2302175 | Phoenix Contact](#)
- [CABLE-D25SUB/B/S/600/KONFEK/S - Cable - 2302188 | Phoenix Contact](#)
- [CABLE D-SUB-S/.../.../... - Cable - 2302340 | Phoenix Contact](#)
- [CABLE-D-25SUB-F-OE-0,25-S/... - Cable - 2900906 | Phoenix Contact](#)
- [CABLE-D-25SUB/F/OE/0,25/S/20M - Cable - 2906216 | Phoenix Contact](#)
- [CABLE-D-25SUB/F/OE/0,25/S/0,5M - Cable - 2926153 | Phoenix Contact](#)
- [CABLE-D-25SUB/F/OE/0,25/S/1,0M - Cable - 2926166 | Phoenix Contact](#)
- [CABLE-D-25SUB/F/OE/0,25/S/1,5M - Cable - 2926179 | Phoenix Contact](#)
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- [User Manual](#)

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