



PHOENIX CONTACT UM 45-D 9SUB-S Interface Module Owner's Manual

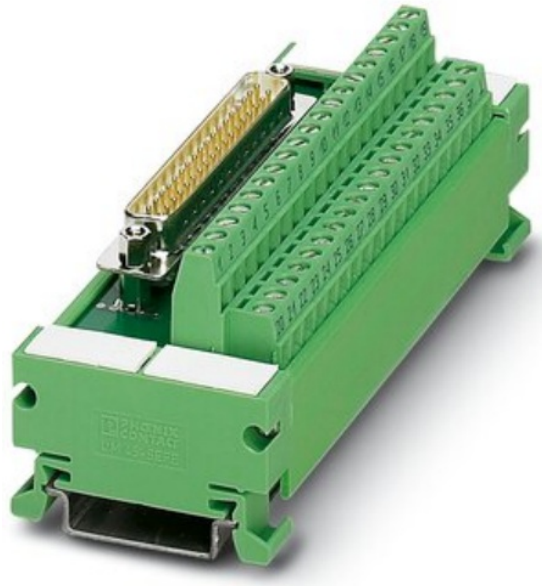
[Home](#) » [PHOENIX CONTACT](#) » PHOENIX CONTACT UM 45-D 9SUB-S Interface Module Owner's Manual 

Contents

- 1 PHOENIX CONTACT UM 45-D 9SUB-S Interface Module
- 2 Product Information
- 3 Product Usage Instructions
- 4 FAQ
- 5 Commercial data
- 6 Technical data
 - 6.1 Product properties
 - 6.2 Connection data
- 7 Environmental and real-life conditions
- 8 Drawings
- 9 Approvals
- 10 Classifications
- 11 Environmental product compliance
- 12 Accessories
- 13 ABOUT COMPANY
- 14 Documents / Resources
 - 14.1 References



PHOENIX CONTACT UM 45-D 9SUB-S Interface Module



Product Information

Specifications

- **Product Type:** Interface module
- **Number of Positions:** 9
- **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):** 22.5 A
- **Rated Insulation Voltage:** 125 V
- **Rated Surge Voltage:** 1.2 kV (1.2/50 s)
- **Connection Method:** Screw thread
- **Number of Connections:** 1 (control level), 1 (field level)
- **Dimensions (W x H x D):** 53 mm x 45 mm x 43.12 mm
- **Material:** PVC
- **Degree of Protection:** Module – UKCA-compliant
- **Ambient Temperature (Operation):** Check manual for details
- **Approvals:** UKCA Certificate
- **Standards/Regulations:** EN IEC 60664-1

Product Usage Instructions

Installation

1. Ensure to follow the installation directive provided in the user documentation.
2. Mount the interface module on an NS 35/7.5 rail using DIN rail mounting in any position.

Connection

1. Connect the control level using the specified screw thread method.
2. For the field level, connect according to the stripping length and conductor cross-section requirements.

Maintenance and Care

1. Regularly inspect the module for any signs of damage or wear.
2. Keep the module clean and free from dust accumulation.

FAQ

- **What is the maximum operating voltage for this interface module?**

The maximum operating voltage for AC is 30 V, and for DC is 60 V.

- **Can this module be used in environments with varying temperatures?**

The module is designed to operate within specified ambient temperature ranges, as detailed in the manual.

Please be informed that the data shown in this PDF document is generated from our online catalog. 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, 9 positions

Commercial data

Item number	2962777
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C422
Product key	CK2223
Catalog page	Page 250 (IF-2007)
GTIN	4017918087432
Weight per piece (including packing)	73.4 g
Weight per piece (excluding packing)	68.5 g
Customs tariff number	85369010
Country of origin	DE

Technical data

Product properties

Product type	Interface module
Number of positions	9

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)	≤ 22.5 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	9
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	10
Conductor cross section rigid	0.14 mm ² 1.5 mm ²
Conductor cross section flexible	0.14 mm ² 1.5 mm ²
Conductor cross section AWG	26 ... 16

Signaling

Status display present	No
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Dimensions

Width	53 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

Certificate	UKCA-compliant
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Standards and regulations

Standards/regulations	EN IEC 60664-1
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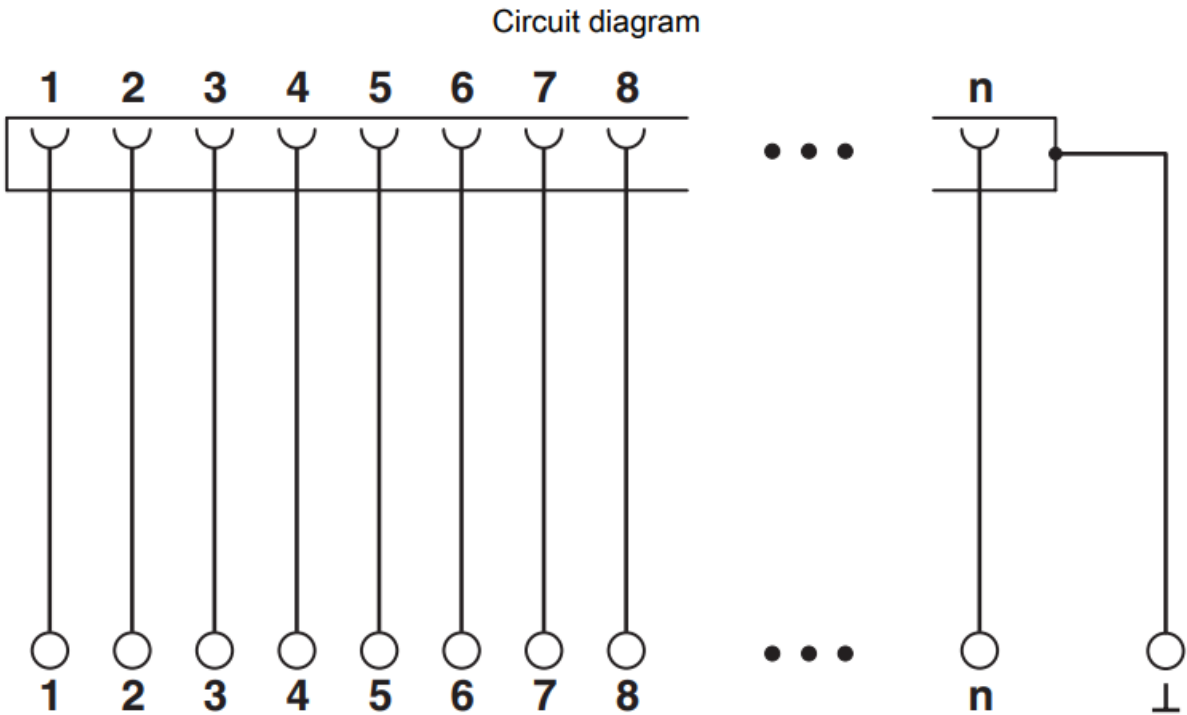
Mounting

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



Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2962777>.



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

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

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-D 9SUB/B/S/ 50/KONFEK/S – Cable**

2299987

<https://www.phoenixcontact.com/us/products/2299987>

Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9- position); connection 2: D-SUB pin strip (1x 9-position); cable length: 0.5 m



- **CABLE-D 9SUB/B/S/100/KONFEK/S – Cable**

2299990

<https://www.phoenixcontact.com/us/products/2299990>

Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9- position); connection 2: D-SUB pin strip (1x 9-position); cable length: 1 m



- **CABLE-D 9SUB/B/S/150/KONFEK/S – Cable**

2300009

<https://www.phoenixcontact.com/us/products/2300009>

Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9- position); connection 2: D-SUB pin strip (1x 9-position); cable length: 1.5 m



- **CABLE-D 9SUB/B/S/200/KONFEK/S – Cable**

2302010

<https://www.phoenixcontact.com/us/products/2302010>

Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9- position); connection 2: D-SUB pin strip (1x 9-position); cable length: 2 m



- **CABLE-D 9SUB/B/S/300/KONFEK/S – Cable**

2302023

<https://www.phoenixcontact.com/us/products/2302023>

Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9- position); connection 2: D-SUB pin strip (1x 9-position); cable length: 3 m



- **CABLE-D 9SUB/B/S/400/KONFEK/S – Cable**

2302036

<https://www.phoenixcontact.com/us/products/2302036>

Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9- position); connection 2: D-SUB pin strip (1x 9-position); cable length: 4 m



- **CABLE-D 9SUB/B/S/600/KONFEK/S – Cable**

2302049

<https://www.phoenixcontact.com/us/products/2302049>

Assembled shielded round cable; connection 1: D-SUB socket strip (1x 9- position); connection 2: D-SUB pin strip (1x 9-position); cable length: 6 m



- **CABLE-D 9SUB/B/S/HF/S/ 1,0M – Cable**

1066591

<https://www.phoenixcontact.com/us/products/1066591>

Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 1 m



- **CABLE-D 9SUB/B/S/HF/S/ 2,0M – Cable**

1066592

<https://www.phoenixcontact.com/us/products/1066592>

Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 2 m



- **CABLE-D 9SUB/B/S/HF/S/ 3,0M – Cable**

1066593

<https://www.phoenixcontact.com/us/products/1066593>

Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: 3 m



- **CABLE-D 9SUB-B-S-HF-S/... – Cable**

1075568

<https://www.phoenixcontact.com/us/products/1075568>

Assembled, shielded, halogen-free round cable; connection 1: D-SUB socket strip (1x 9-position); connection 2: D-SUB pin strip (1x 9-position); cable length: variable



- **CABLE-D- 9SUB/F/OE/0,25/S/0,5M – Cable**

2926014

<https://www.phoenixcontact.com/us/products/2926014>

Assembled shielded round cable; connection 1: Single wires (9-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 9-position); cable length: 0.5 m



- **CABLE-D- 9SUB/F/OE/0,25/S/1,0M – Cable**

2926027

<https://www.phoenixcontact.com/us/products/2926027>

Assembled shielded round cable; connection 1: Single wires (9-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 9-position); cable length: 1 m



- **CABLE-D- 9SUB/F/OE/0,25/S/1,5M – Cable**

2926030

<https://www.phoenixcontact.com/us/products/2926030>

Assembled shielded round cable; connection 1: Single wires (9-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 9-position); cable length: 1.5 m



- **CABLE-D- 9SUB/F/OE/0,25/S/2,0M – Cable**

2926043

<https://www.phoenixcontact.com/us/products/2926043>

Assembled shielded round cable; connection 1: Single wires (9-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 9-position); cable length: 2 m



- **CABLE-D- 9SUB/F/OE/0,25/S/3,0M – Cable**

2926056

<https://www.phoenixcontact.com/us/products/2926056>

Assembled shielded round cable; connection 1: Single wires (9-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 9-position); cable length: 3 m



- **CABLE-D- 9SUB/F/OE/0,25/S/4,0M – Cable**

2926069

<https://www.phoenixcontact.com/us/products/2926069>

Assembled shielded round cable; connection 1: Single wires (9-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 9-position); cable length: 4 m



- **CABLE-D- 9SUB/F/OE/0,25/S/6,0M – Cable**

2926072

<https://www.phoenixcontact.com/us/products/2926072>

Assembled shielded round cable; connection 1: Single wires (9-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 9-position); cable length: 6 m



- **CABLE-D- 9SUB-F-OE-0,25-S/... – Cable**

2900903

<https://www.phoenixcontact.com/us/products/2900903>


Assembled shielded round cable; connection 1: Single wires (9-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 9-position); cable length: variable



ABOUT COMPANY

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Documents / Resources

	<p>PHOENIX CONTACT UM 45-D 9SUB-S Interface Module [pdf] Owner's Manual UM 45-D 9SUB-S Interface Module, UM 45-D 9SUB-S, Interface Module, Module</p>
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References

- [CABLE-D 9SUB/B/S/HF/S/ 1,0M - Cable - 1066591 | Phoenix Contact](#)
- [CABLE-D 9SUB-B-S-HF-S/... - Cable - 1075568 | Phoenix Contact](#)
- [CABLE-D 9SUB/B/S/ 50/KONFEK/S - Cable - 2299987 | Phoenix Contact](#)
- [CABLE-D 9SUB/B/S/300/KONFEK/S - Cable - 2302023 | Phoenix Contact](#)
- [CABLE-D 9SUB/B/S/600/KONFEK/S - Cable - 2302049 | Phoenix Contact](#)
- [CABLE D-SUB-S/.../.../... - Cable - 2302340 | Phoenix Contact](#)
- [CABLE-D- 9SUB-F-OE-0,25-S/... - Cable - 2900903 | Phoenix Contact](#)
- [CABLE-D- 9SUB/F/OE/0,25/S/0,5M - Cable - 2926014 | Phoenix Contact](#)
- [CABLE-D- 9SUB/F/OE/0,25/S/1,0M - Cable - 2926027 | Phoenix Contact](#)
- [CABLE-D- 9SUB/F/OE/0,25/S/3,0M - Cable - 2926056 | Phoenix Contact](#)

- [!\[\]\(eae20f1adff742df783f6f7e3bbe72d1_img.jpg\) **CABLE-D- 9SUB/F/OE/0,25/S/6,0M - Cable - 2926072 | Phoenix Contact**](#)
- [!\[\]\(43c6e08c5a1618d745b54da5c843274e_img.jpg\) **UM 45-D 9SUB/S - Interface module - 2962777 | Phoenix Contact**](#)
- [**User Manual**](#)

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