

# UM-D25SUB/F/PTS/MSTB/GF-AI - Input module



2902087

<https://www.phoenixcontact.com/us/products/2902087>

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.



Analog VARIOFACE input module, with COMBICON screw connection and a 25-pos. D-SUB female connector. The signal path can be interrupted with a disconnect knife.

## Commercial data

Item number	2902087
Packing unit	1 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Product key	DK2A82
GTIN	4046356648585
Weight per piece (including packing)	387.125 g
Weight per piece (excluding packing)	380 g
Country of origin	DE

## Technical data

### Product properties

Product type	Interface module
--------------	------------------

#### 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
Fuse	10x 5x20
Current (per branch)	≤ 2 A

#### Air clearances and creepage distances

Rated insulation voltage	50 V
Rated surge voltage	0.5 kV (1.2/50 μs)

### Connection data

#### Connection 1 (control level)

Connection in acc. with standard	IEC 60807-2
Connection method	D-SUB socket 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 method	Screw connection
Stripping length	7 mm
Number of connections	4
Number of positions	8
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section rigid (2 conductors with same cross section)	0.2 mm <sup>2</sup> ... 1 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Ferrule without plastic sleeve)
	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Ferrule with plastic sleeve)
Conductor cross-section flexible (2 conductors with same cross section)	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
	0.25 mm <sup>2</sup> ... 1 mm <sup>2</sup> (Ferrule without plastic sleeve)
	0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (TWIN ferrule with plastic sleeve)
Conductor cross-section AWG	24 ... 12

# UM-D25SUB/F/PTS/MSTB/GF-AI - Input module



2902087

<https://www.phoenixcontact.com/us/products/2902087>

Tightening torque	0.5 Nm ... 0.6 Nm
Pitch	5.08 mm

## Connection 3 (field level)

Connection method	PCB terminal block
Type	PCB isolating plugs
Number of positions	8

## Connection 4 (supply)

Connection method	Screw connection
Stripping length	7 mm
Number of connections	2
Number of positions	2
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section rigid (2 conductors with same cross section)	0.2 mm <sup>2</sup> ... 1 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Ferrule without plastic sleeve)
	0.25 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Ferrule with plastic sleeve)
Conductor cross-section flexible (2 conductors with same cross section)	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
	0.25 mm <sup>2</sup> ... 1 mm <sup>2</sup> (Ferrule without plastic sleeve)
	0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (TWIN ferrule with plastic sleeve)
Conductor cross-section AWG	24 ... 12
Tightening torque	0.5 Nm ... 0.6 Nm
Pitch	5.08 mm

## Signaling

Status display present	no
------------------------	----

## Dimensions

### Item dimensions

Width	111 mm
Height	126 mm
Depth	56 mm

## Material specifications

Color	green (RAL 6021)
Housing insulation material	PVC

## Environmental and real-life conditions

### Ambient conditions

Degree of protection (Module)	IP00
Degree of protection (Installation location)	≥ IP54
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

# UM-D25SUB/F/PTS/MSTB/GF-AI - Input module



2902087

<https://www.phoenixcontact.com/us/products/2902087>

Altitude	≤ 2000 m
----------	----------

## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
-----------------------	----------------

## 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.
--------------------	--

# UM-D25SUB/F/PTS/MSTB/GF-AI - Input module



2902087

<https://www.phoenixcontact.com/us/products/2902087>

## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 10.0	EC002780
-----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

2902087

<https://www.phoenixcontact.com/us/products/2902087>

## 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)
SCIP	4615470d-1b11-49e7-9c62-79df575f7607

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)