

# UM 72-16 DIO/MKDS/SO373 - Termination board

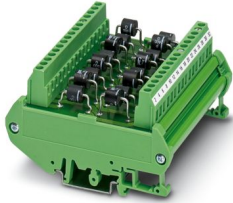


2977461

<https://www.phoenixcontact.com/us/products/2977461>

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 diode module, with screw connection and 16 diodes, can be wired individually



## Commercial data

Item number	2977461
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	DK2A88
GTIN	4017918365097
Weight per piece (including packing)	180.1 g
Weight per piece (excluding packing)	145.97 g
Country of origin	DE

2977461

<https://www.phoenixcontact.com/us/products/2977461>

## 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

Max. permissible operating voltage	30 V DC
Max. current carrying capacity per branch	2.25 A (at 30 °C ambient temperature)
	2 A (at 40 °C ambient temperature)
	1.75 A (at 50 °C ambient temperature)

#### Air clearances and creepage distances

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

### Connection data

#### COMBICON connection

Connection method	Screw connection
Number of positions	16
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

#### COMBICON connection

Connection method	Screw connection
Number of positions	16
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

### Dimensions

#### Item dimensions

Width	91 mm
Height	90 mm
Depth	58 mm

### Environmental and real-life conditions

#### Ambient conditions

Degree of protection	IP00
----------------------	------

# UM 72-16 DIO/MKDS/SO373 - Termination board



2977461

<https://www.phoenixcontact.com/us/products/2977461>

Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-20 °C ... 50 °C
Altitude	≤ 2000 m

## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	DIN EN 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 72-16 DIO/MKDS/SO373 - Termination board



2977461

<https://www.phoenixcontact.com/us/products/2977461>

## Classifications

### ECLASS

ECLASS-13.0

27141152

### ETIM

ETIM 9.0

EC002780

### UNSPSC

UNSPSC 21.0

39121400

2977461

<https://www.phoenixcontact.com/us/products/2977461>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

### 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)
-------------------------------------	----------------------

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)