

UMK- 8 OM-R/MF/MKDS - Optocoupler module



2972738

<https://www.phoenixcontact.com/us/products/2972738>

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.

Interface module, with plug-in socket for 8 solid-state relays, with security latch, with screw connection, with light indicator and fuse, control logic: minus switching



Your advantages

- Status indicator
- Integrated fuse for line protection
- Can be fitted with solid-state relays or I/O modules

Commercial data

Item number	2972738
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	CK61E3
Catalog page	Page 553 (C-7-2013)
GTIN	4017918088699
Weight per piece (including packing)	347.5 g
Weight per piece (excluding packing)	284.24 g
Customs tariff number	85369010
Country of origin	DE

UMK- 8 OM-R/MF/MKDS - Optocoupler module



2972738

<https://www.phoenixcontact.com/us/products/2972738>

Technical data

Product properties

Product type	Multi-channel solid-state relay module
No. of channels	8
Compatible components	Digital I/O modules
With components	no

Input data

Input voltage range	4 V ... 32 V
Typical input current at U_N	30 mA (Optocoupler dependent)
Status display/channel	Yellow LED

Output data

Compatible components	Digital I/O modules
-----------------------	---------------------

Switching

Limiting continuous current	4 A (Optocoupler dependent)
Error detection (line break / short-circuit)	no

Connection data

Input

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of connections	2
Number of positions	12
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

Output

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of connections	16
Number of positions	3
Conductor cross section rigid	0.2 mm ² ... 6 mm ²
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 10

Signaling

Status display present	Yes
------------------------	-----

UMK- 8 OM-R/MF/MKDS - Optocoupler module



2972738

<https://www.phoenixcontact.com/us/products/2972738>

Dimensions

Dimensional drawing	
Width	180 mm
Height	77 mm
Depth	72 mm

Material specifications

Color	green (RAL 6021)
Housing insulation material	PVC, side panel PA non-reinforced,

Environmental and real-life conditions

Ambient conditions	
Ambient temperature (operation)	-20 °C ... 55 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Standards and regulations

Standards/regulations	DIN VDE 0110b, Gr. C for 250 V DC
	DIN VDE 0160 (in relevant parts)

Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

UMK- 8 OM-R/MF/MKDS - Optocoupler module

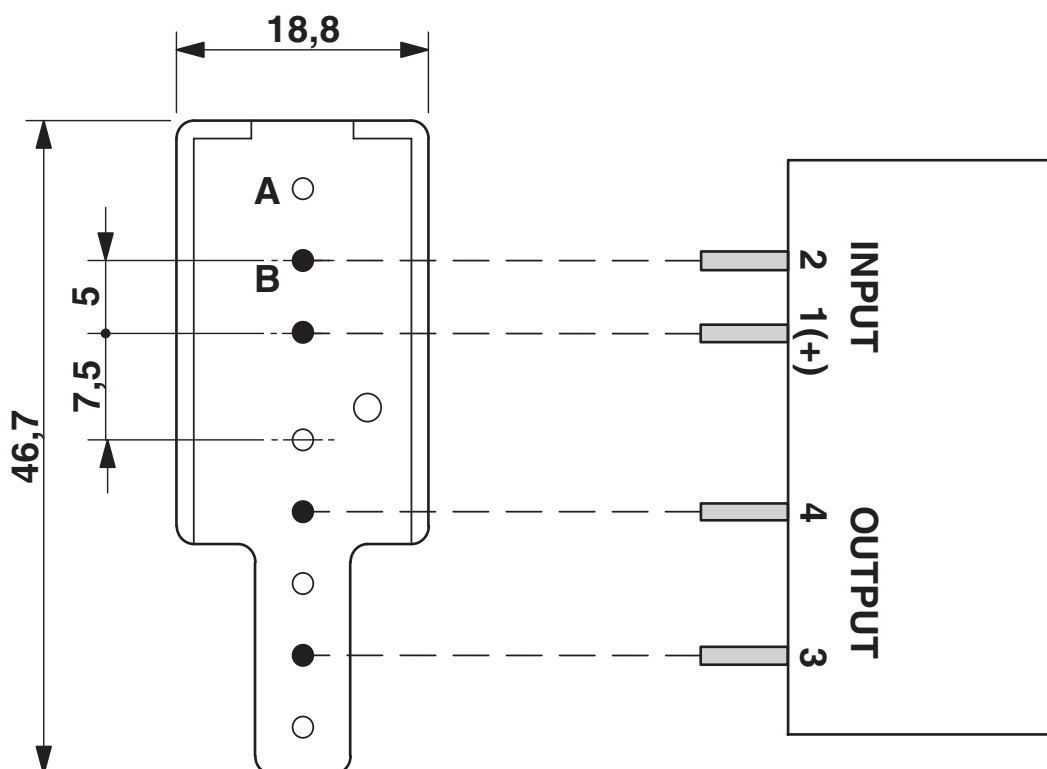


2972738

<https://www.phoenixcontact.com/us/products/2972738>

Drawings

Dimensional drawing



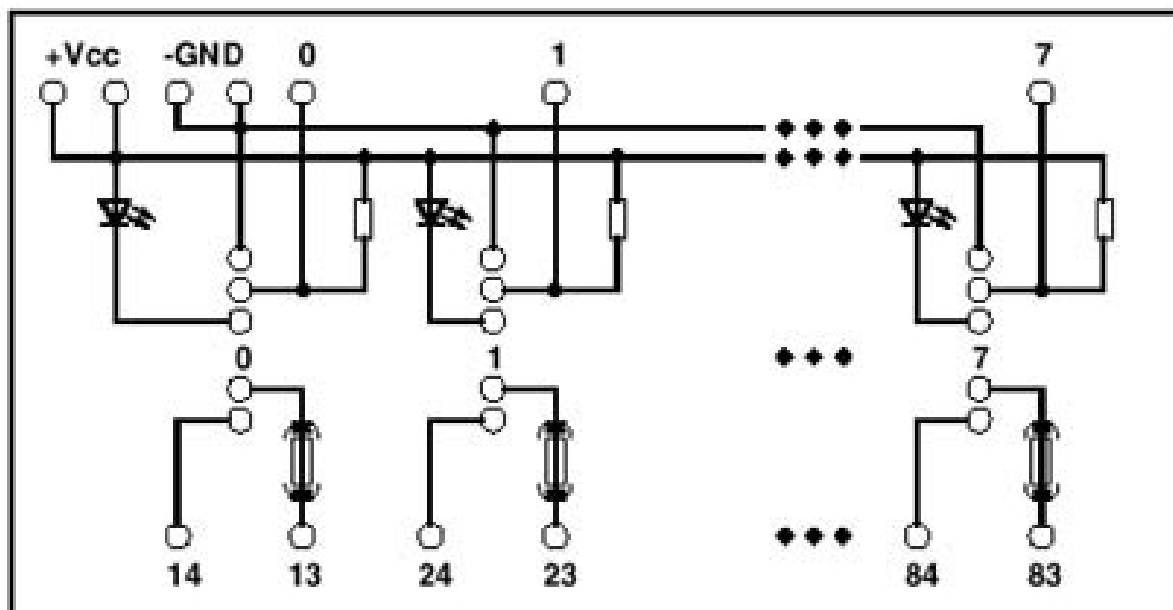
A = without metal
B = with metal

UMK- 8 OM-R/MF/MKDS - Optocoupler module

2972738

<https://www.phoenixcontact.com/us/products/2972738>

Circuit diagram



UMK- 8 OM-R/MF/MKDS - Optocoupler module



2972738

<https://www.phoenixcontact.com/us/products/2972738>

Classifications

UNSPSC

UNSPSC 21.0	39122335
-------------	----------

UMK- 8 OM-R/MF/MKDS - Optocoupler module



2972738

<https://www.phoenixcontact.com/us/products/2972738>

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)
-------------------------------------	----------------------

UMK- 8 OM-R/MF/MKDS - Optocoupler module



2972738

<https://www.phoenixcontact.com/us/products/2972738>

Mandatory accessories

OV-24DC/ 60DC/4 - Semi-conductor relay

2982647

<https://www.phoenixcontact.com/us/products/2982647>



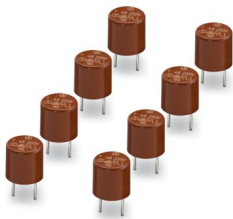
Solid-state relay, for signal amplification and isolation of the control and load circuits, can be plugged in the solderable plug-in bases SIM-AMS or with PCB connection for mounting directly onto the PCB, input: 4.25-32 V DC, output: 1-60 V DC/4 A

Accessories

VF-SI/TR5/4AT - Fuse set

2900998

<https://www.phoenixcontact.com/us/products/2900998>



Fuse set, number: 8 Pcs., fuse type: Fuse (TR5), nominal current: 4 A, tripping characteristic: slow-blow (T)

Phoenix Contact 2024 © - 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