

UMK- 4 OM-R/MF - Optocoupler module



2970882

<https://www.phoenixcontact.com/us/products/2970882>

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Interface module, with plug-in socket for 4 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	2970882
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	CK61E3
Catalog page	Page 553 (C-7-2013)
GTIN	4017918088033
Weight per piece (including packing)	187.5 g
Weight per piece (excluding packing)	180 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

Product properties

Product type	Multi-channel solid-state relay module
No. of channels	4
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
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Switching

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

Connection data

Input

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of connections	1
Number of positions	6
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	8
Number of positions	9
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

Dimensions

UMK- 4 OM-R/MF - Optocoupler module



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Dimensional drawing	
Width	90 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

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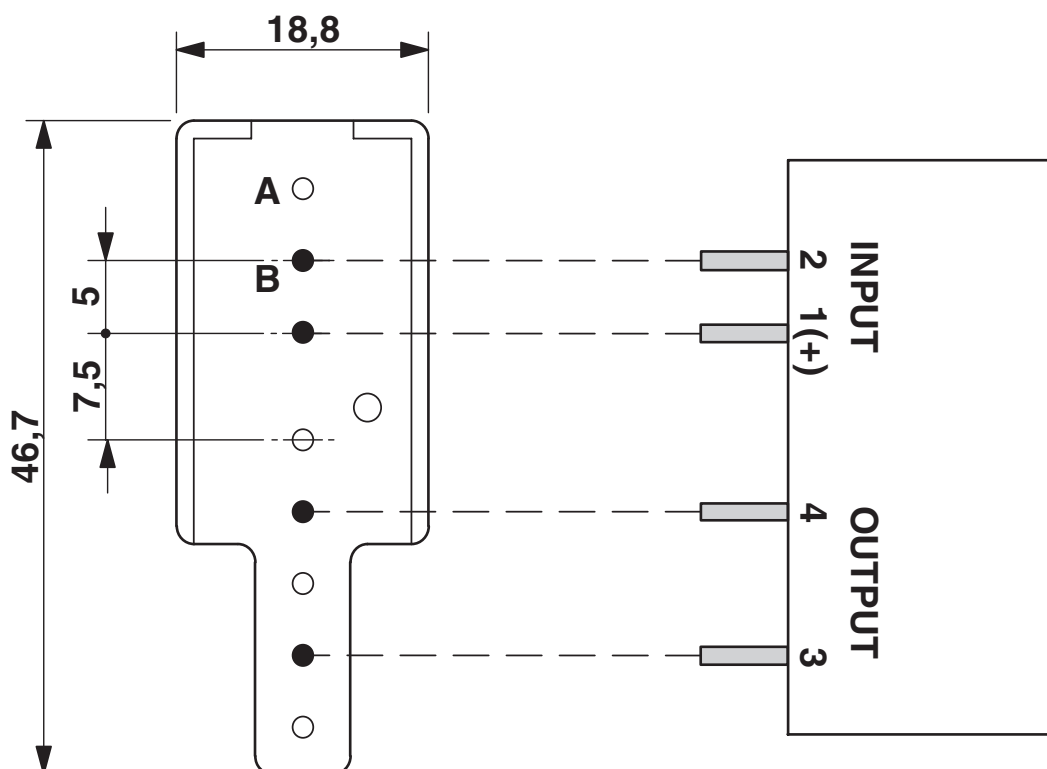
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Drawings

Dimensional drawing



A = without metal

B = with metal

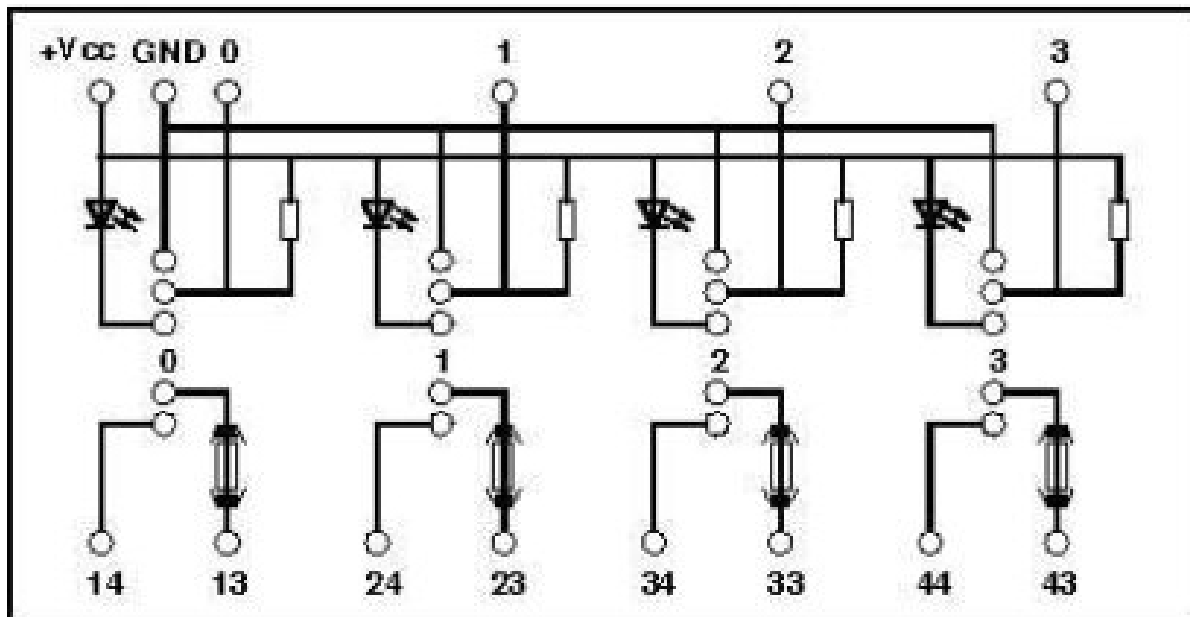
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Circuit diagram



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Classifications

UNSPSC

UNSPSC 21.0	39122335
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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)

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Mandatory accessories

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

2982647

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



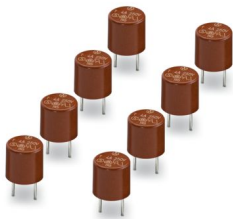
Solid-state relay, for signal amplification and isolation of the control and load circuits, can be plugged in the solderable plug-in bases SIM-AMS or with PCB connection for mounting directly onto the PCB, input: 4.25-32 V DC, output: 1-60 V DC/4 A

Accessories

VF-SI/TR5/4AT - Fuse set

2900998

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

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