

Optocoupler module - UMK-16 OM-R/MF/MKDS/P - 2972796

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Interface module, with plug-in socket for 16 solid-state relays, with security latch, with screw connection, with light indicator and fuse, control logic: plus switching



Your advantages

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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 088750
GTIN	4017918088750
Weight per Piece (excluding packing)	6.580 g
Custom tariff number	85369010
Country of origin	Germany
Note	Made to Order (non-returnable)

Technical data

Dimensions

Width	326.5 mm
Height	77 mm
Depth	72 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Input data

Typical input current at U_N	30 mA (Optocoupler dependent)
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Technical data

Input data

Operating voltage display	Yellow LED
Status display/channel	Yellow LED

Output data

Limiting continuous current	4 A (Optocoupler dependent)
Nominal supply voltage	250 V
Error detection (line break / short-circuit)	no

General

No. of channels	16
Compatible components	Digital I/O modules
With components	no
Mounting position	any
Assembly instructions	In rows with zero spacing
Housing insulation material	PVC, side panel PA non-reinforced,
Color	green

Connection data

Connection name	Input
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of connections	2
Number of positions	20
Conductor cross section solid	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

Connection data 2

Connection name	Output
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of connections	32
Number of positions	3
Conductor cross section solid	0.2 mm ² ... 6 mm ²
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 10

Standards and Regulations

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

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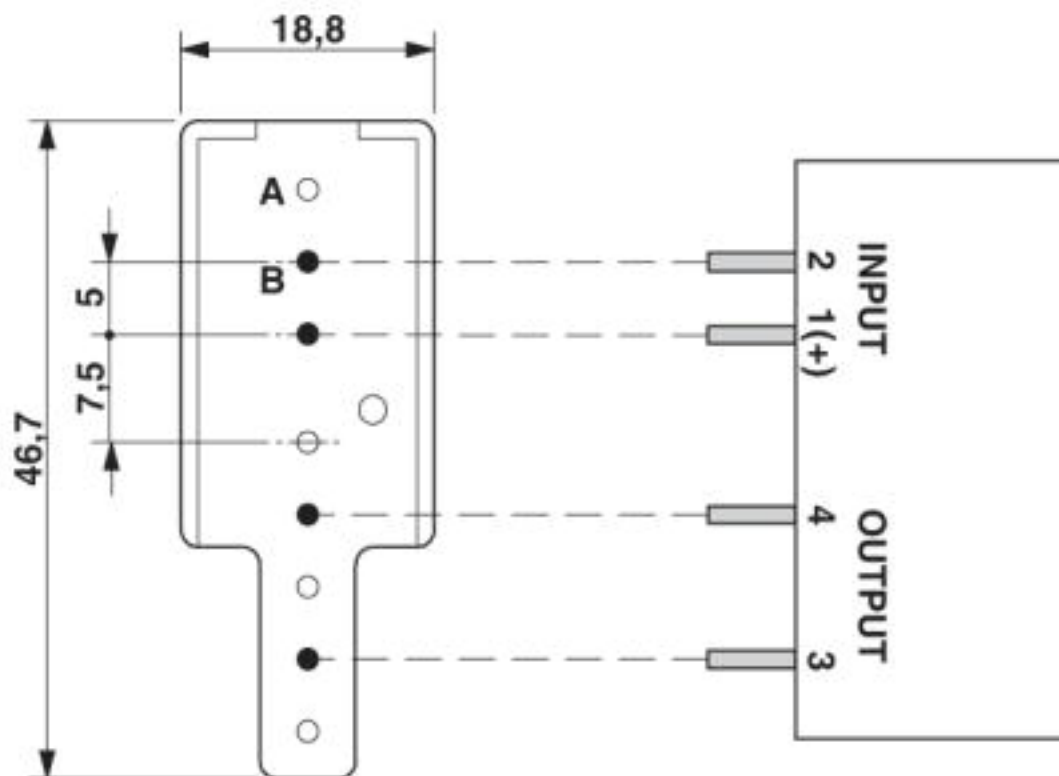
Technical data

Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

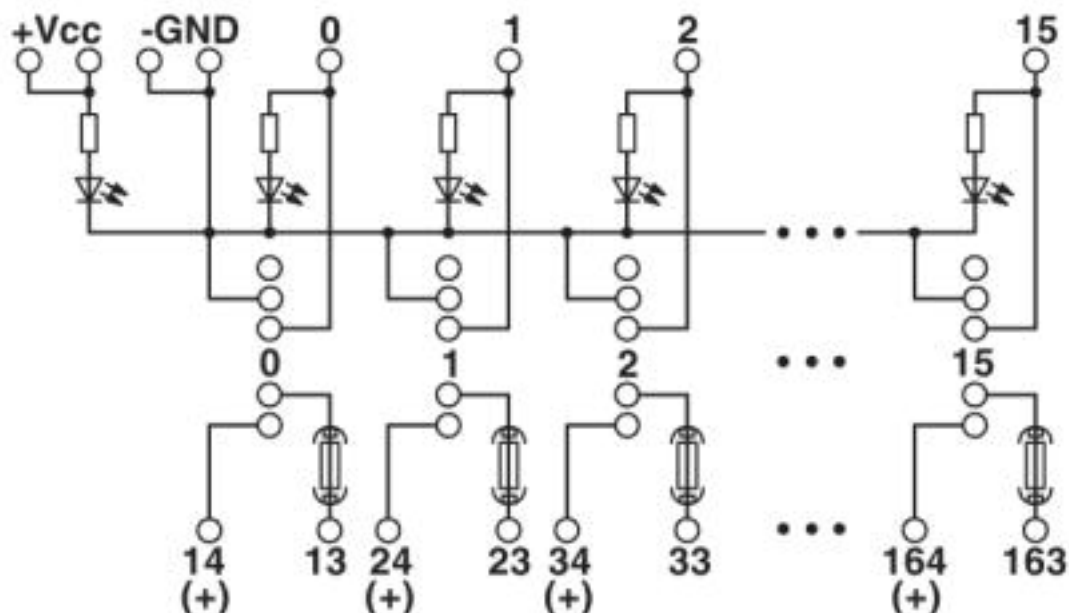
Dimensional drawing



A = without metal
B = with metal

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Circuit diagram



Control logic: Plus switching

Classifications

eCl@ss

eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371600
eCl@ss 5.1	27371000
eCl@ss 6.0	27371600
eCl@ss 7.0	27371603
eCl@ss 8.0	27371603
eCl@ss 9.0	27371603

ETIM

ETIM 2.0	EC001456
ETIM 3.0	EC001456
ETIM 4.0	EC001456
ETIM 5.0	EC001456
ETIM 6.0	EC001456
ETIM 7.0	EC001456

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542

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Classifications

UNSPSC

UNSPSC 12.01	39121542
UNSPSC 13.2	39122326
UNSPSC 18.0	39122335
UNSPSC 19.0	39122335
UNSPSC 20.0	39122335
UNSPSC 21.0	39122335

Approvals

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UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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EAC		RU C- DE.A*30.B.01082
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cULus Recognized	
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Accessories

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Fuse

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Accessories

Fuse set - VF-SI/TR5/4AT - 2900998



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

Necessary add-on products

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