

Optocoupler module - UMK- 8 OM-R/MF/MKDS/P - 2972699

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


The illustration shows a version for 8 pluggable digital I/O modules, or SOLID-state relays

Why buy this product

- ☒ 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 088651 |
| Weight per Piece (excluding packing) | 346.1 g |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------|--------|
| Width | 180 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) |
| Error detection (line break / short-circuit) | no |

General

| | |
|-----------------------------|------------------------------------|
| No. of channels | 8 |
| Compatible components | Digital I/O modules |
| With components | No |
| Test voltage | 4 kV AC |
| Standards/regulations | DIN VDE 0110b, Gr. C for 250 V DC |
| | DIN VDE 0160 (in relevant parts) |
| Mounting position | any |
| Assembly instructions | In rows with zero spacing |
| Housing insulation material | PVC, side panel PA non-reinforced, |
| Color | green |

Connection data for connection 1

| | |
|--|---------------------|
| Connection name | Input |
| Number of connections | 2 |
| Connection method | Screw connection |
| Number of positions | 12 |
| Conductor cross section stranded min. | 0.2 mm ² |
| Conductor cross section stranded max. | 2.5 mm ² |
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 4 mm ² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 12 |
| Screw thread | M3 |
| Stripping length | 8 mm |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27371102 |
| eCl@ss 4.1 | 27371102 |
| eCl@ss 5.0 | 27371001 |
| eCl@ss 5.1 | 27371001 |
| eCl@ss 6.0 | 27371001 |
| eCl@ss 7.0 | 27371001 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 8.0 | 27371001 |
|------------|----------|

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001504 |
| ETIM 3.0 | EC001504 |
| ETIM 4.0 | EC001504 |
| ETIM 5.0 | EC001504 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211916 |
| UNSPSC 7.0901 | 39121542 |
| UNSPSC 11 | 39121542 |
| UNSPSC 12.01 | 39121542 |
| UNSPSC 13.2 | 39121542 |

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized


Ex Approvals

Approvals submitted

Approval details

| |
|---|
| UL Recognized  |
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| cUL Recognized  |
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| GOST  |
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Approvals

cULus Recognized 

Accessories

Accessories

Fuse

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



Plug-in fuse (TR5[®]), nominal current: 4 A, tripping behavior: slow-blow (T)

Necessary add-on products

Semi-conductor relay - OV-24DC/350DC/1 - 2982634



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: 1-350 V DC/1 A

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

Semi-conductor relay - OV-24DC/480AC/5 - 2982650

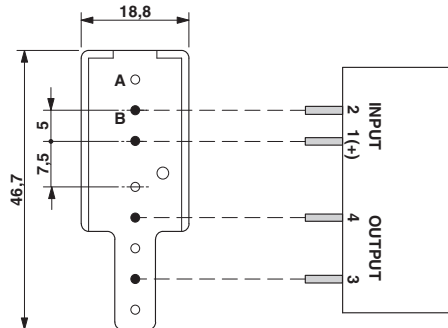


Solid-state relay, for signal amplification and isolation of the control and load circuits, can be plugged in the solderable plug-in bases SIM-AMS or with PCB connection for mounting directly onto the PCB, input: 4-32 V DC, output: 12-530 V AC/ 5 A

Drawings

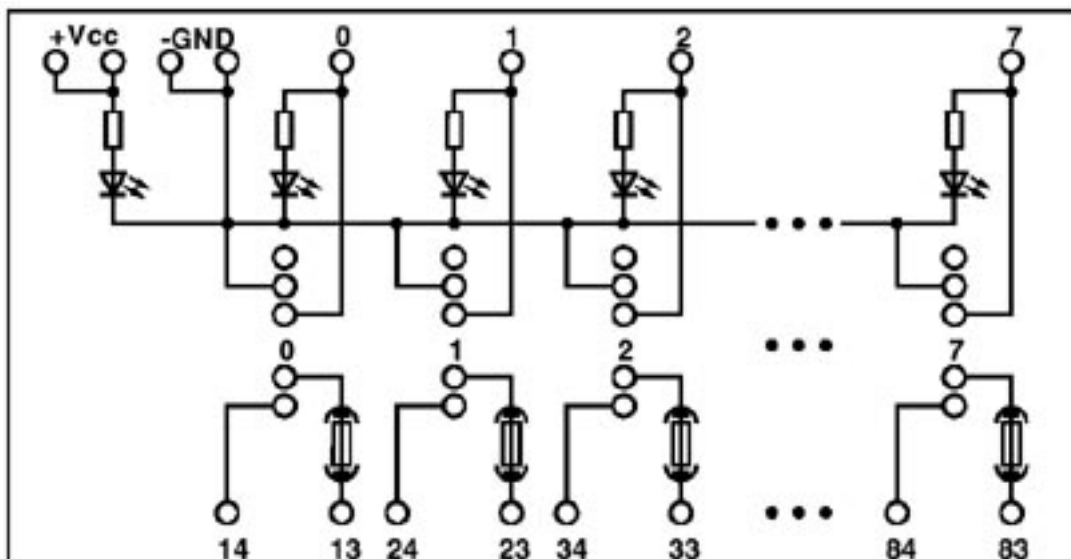
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Dimensioned drawing



A = without metal
B = with metal

Circuit diagram



Control logic: Plus switching