

Optocoupler module - UMK- 1 OM-R/AMS - 2983002

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The UMK-1 OM-R/AMS is the wiring interface and coupling level in one unit: Diagnostic and status indicator, polarity and surge protection at the input, assembly option with solid-state relay up to 350 V DC/1 A or 480 V AC/5 A

Your advantages

- ✓ Status indicator
- ✓ Status indicator
- Protection against pol. reversal in input
- ✓ Can be fitted with solid-state relays for loads up to 350 V DC/1 A or 480 V AC/5 A



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 149501
GTIN	4046356149501
Weight per Piece (excluding packing)	44.870 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Width	22.5 mm
Height	77 mm
Depth	72 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Input data

Nominal input voltage U_N	24 V DC
Typical input current at U_N	2 mA (without plug-in module)

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Technical data

Input data

Type of protection	Reverse polarity protection
Protective circuit/component	Polarity protection diode
Type of protection	Surge protection
Protective circuit/component	Suppressor diode
Status display/channel	Yellow LED

Output data

Contact type	1 N/O contact (double contact)
Maximum switching voltage	230 V AC
	550 V AC
Minimum switching voltage	24 V AC
Limiting continuous current	5 A
Error detection (line break / short-circuit)	no

General

With components	yes
Operating mode	100% operating factor
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
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
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
Number of connections	1
Number of positions	2

Standards and Regulations

Standards/regulations	DIN EN 50178
Rated surge voltage	8 kV
Pollution degree	2
Overvoltage category	III

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50

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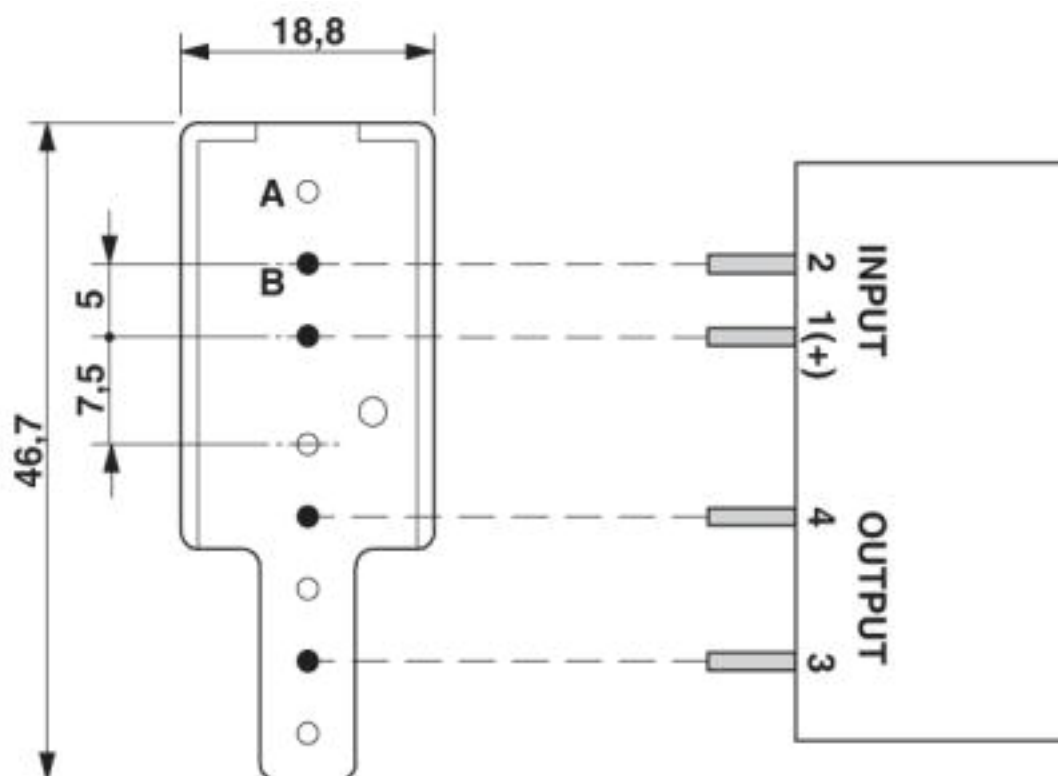
Technical data

Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
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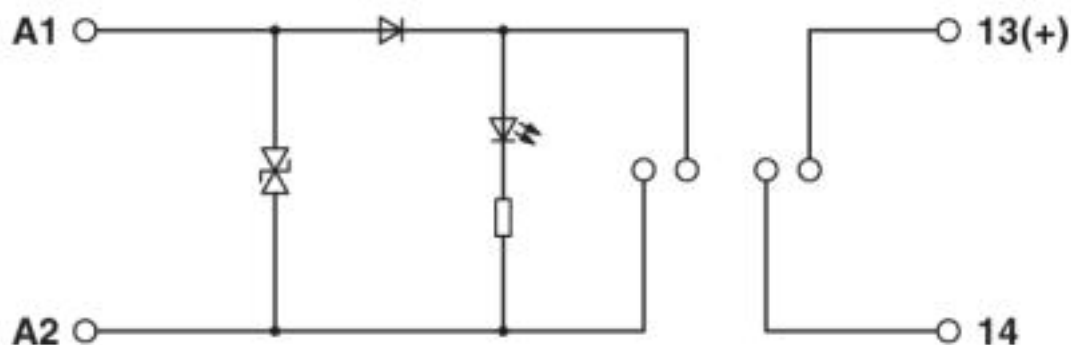
Drawings

Dimensional drawing



A = without metal
B = with metal

Circuit diagram



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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
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

Approvals

Approvals

EAC

Ex Approvals

Approval details

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Approvals

EAC



RU C-
DE.A*30.B.01742

Accessories

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