

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

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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

### Your advantages

- ✓ Compact dimensions
- ✓ No electromagnetic interference
- ✓ High test voltage of up to 4 kV between control and load circuits
- ✓ No wear, even at high switching frequencies
- ✓ Electrically insulated housing
- ✓ No contact bounce – no movable parts
- ✓ Switching power of up to 350 V DC/1 A, 60 V DC/4 A or 480 V AC/5 A

### Key Commercial Data

Packing unit	1 pc
GTIN	
GTIN	4046356131988
Weight per Piece (excluding packing)	24.400 g
Custom tariff number	85362010
Country of origin	China

### Technical data

#### Dimensions

Width	10.5 mm
Height	43 mm
Depth	25.4 mm

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## Technical data

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 80 °C
Ambient temperature (storage/transport)	-20 °C ... 80 °C

### Input data

Nominal input voltage $U_N$	24 V DC
Input voltage range	4.25 V DC ... 32 V DC
Switching threshold "0" signal, voltage	< 1 V DC
Switching threshold "1" signal voltage	> 3.3 V DC
Typical input current at $U_N$	15 mA
Typical response time	< 100 $\mu$ s
Typical turn-off time	< 250 $\mu$ s
Transmission frequency	100 Hz

### Output data

Output voltage range	1 V DC ... 350 V DC
Limiting continuous current	1 A (see derating curve)
Min. load current	1 mA
Leakage current	100 $\mu$ A
Surge current	20 A ( $t_p = 1$ s)
Voltage drop at max. limiting continuous current	0.5 V
Output circuit	2-conductor
Type of protection	Reverse polarity protection
Protective circuit/component	Polarity protection diode

### General

Test voltage input/output	4 kV (50 Hz, 1 min.)
Mounting position	any
Assembly instructions	Can be aligned with > 9 mm spacing
Operating mode	100% operating factor

### Standards and Regulations

Connection in acc. with standard	CUL
Standards/regulations	EN 61000-4-2
	EN 61000-4-3
	EN 61000-4-4
	EN 55011
Insulation	Basic insulation

### Environmental Product Compliance

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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## Classifications

### eCl@ss

eCl@ss 5.0	27371001
eCl@ss 5.1	27371000
eCl@ss 6.0	27371600
eCl@ss 7.0	27371604
eCl@ss 8.0	27371604
eCl@ss 9.0	27371604

### ETIM

ETIM 2.0	EC001504
ETIM 3.0	EC001504
ETIM 4.0	EC001504
ETIM 5.0	EC001504
ETIM 6.0	EC001504
ETIM 7.0	EC001504

### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39122326

## Approvals

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UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

#### Ex Approvals

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### Approvals

#### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 195083
cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 195083
EAC			TR_TS_D_00573_c
EAC			TR_TS_S_00010_c
cULus Recognized			