

## Solid-state relays - ST-OV3- 24DC/220DC/1 - 2903202

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Plug-in power solid-state relay, with LED and protective circuit in input and output circuits, input: 24 V DC, output: 15 - 220 V DC/max. 1 A, can be plugged into basic terminal blocks

The illustration shows version ST-OV  
3- 5 DC/220 DC/1



### Key commercial data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 017918 078997 |
| Weight per Piece (excluding packing) | 56.29 GRM                                                                                               |
| Custom tariff number                 | 85364190                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Width  | 20.8 mm |
| Height | 33 mm   |
| Depth  | 66.5 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 $\pm 20\%$ |
| Switching threshold "0" signal, voltage | $\leq 4.3$ V       |
| Switching threshold "1" signal voltage  | $\geq 5.8$ V       |
| Typical input current at $U_N$          | 7 mA               |

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### Technical data

#### Input data

|                        |        |
|------------------------|--------|
| Typical response time  | 25 µs  |
| Typical turn-off time  | 1 ms   |
| Transmission frequency | 100 Hz |

#### Output data

|                                                  |                                              |
|--------------------------------------------------|----------------------------------------------|
| Output voltage range                             | 15 V DC ... 220 V DC                         |
| Limiting continuous current                      | 1 A (see derating curve)                     |
| Surge current                                    | 2 A (t = 1 s)                                |
| Peak offstate voltage                            | 220 V DC (Collector-emitter reverse voltage) |
| Voltage drop at max. limiting continuous current | 1.2 V                                        |
| Output circuit                                   | 2-wire, floating                             |
| Type of protection                               | Protection against polarity reversal         |
|                                                  | Surge protection                             |
| Protective circuit/component                     | Polarity protection diode                    |

#### General

|                           |              |
|---------------------------|--------------|
| Test voltage input/output | 2.5 kV AC    |
| Mounting position         | any          |
| Standards/regulations     | DIN VDE 0110 |

### 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 |
| 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 |
|-------------|----------|



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## Classifications

### UNSPSC

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

## Approvals

### Approvals

Approvals

GOST / GOST

Ex Approvals

Approvals submitted

### Approval details

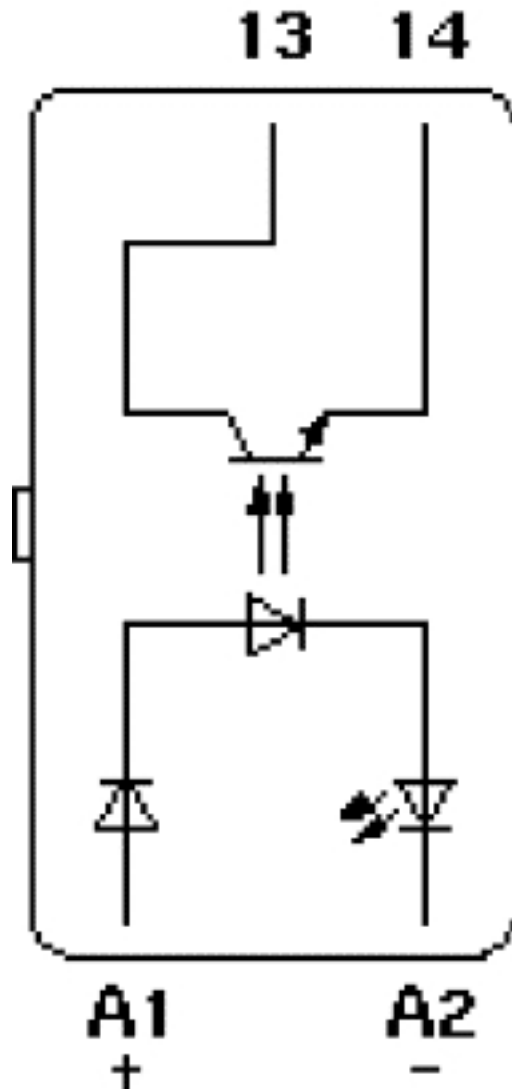
GOST

GOST

## Drawings

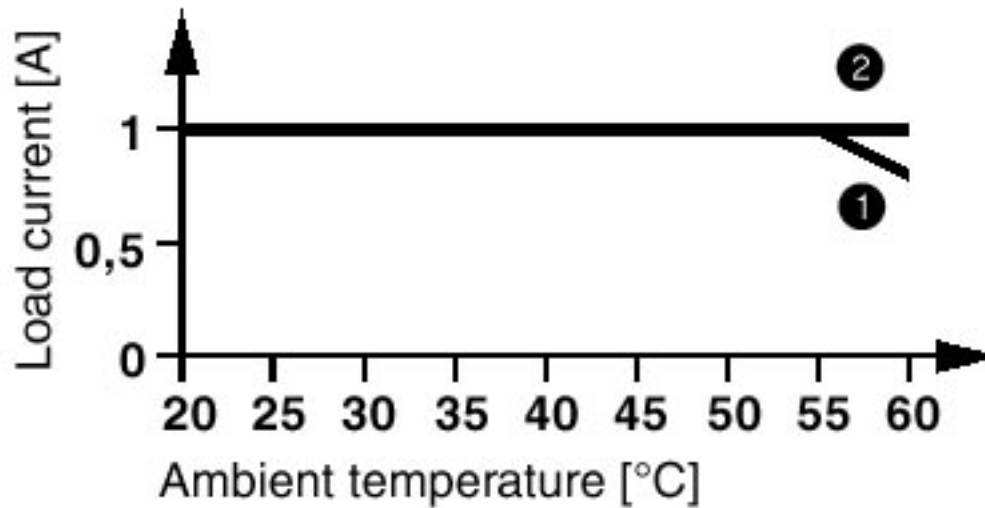
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Circuit diagram



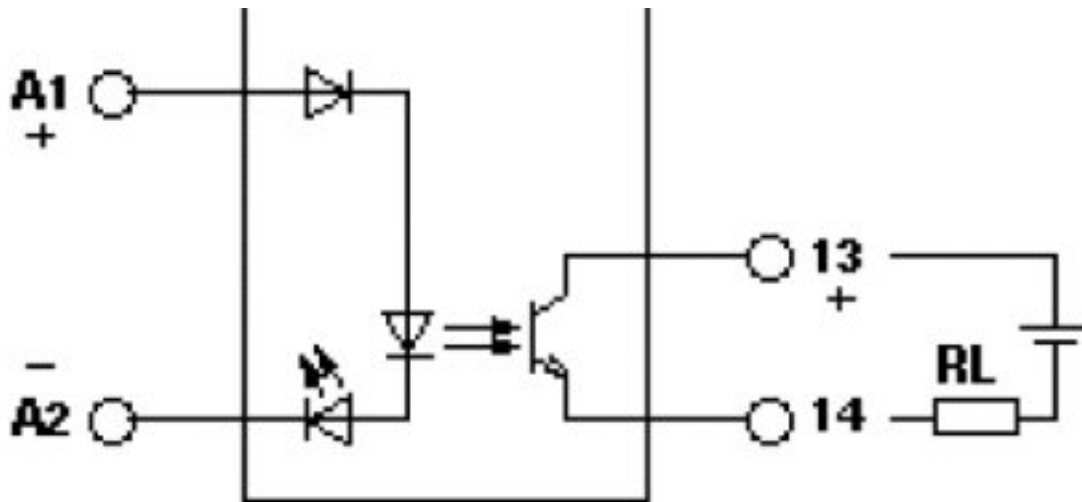
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Diagram



- ① mounted in rows with zero spacing.
- ② power optocouplers mounted in rows,  $\geq 20$  mm.

Circuit diagram



单击下面可查看定价，库存，交付和生命周期等信息

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