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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Solid-state relays - ST-OV2-230AC/ 60DC/1 - 2905080

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Plug-in power solid-state relay, with LED and protective circuit in input and output circuits, input: 230 V AC, output: 12 - 60 V DC/max. 1 A, can be plugged into basic terminal blocks

The illustration shows version ST-OV  
2- 5 DC/ 60 DC/1



### Key commercial data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 017918 079222 |
| Weight per Piece (excluding packing) | 26.59 GRM                                                                                               |
| Custom tariff number                 | 85364900                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Width  | 14.6 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 $U_N$                          | 230 V AC $\pm 10$ % |
| Switching threshold "0" signal in reference to $U_N$ | $\leq 0.4$          |
| Switching threshold "1" signal in reference to $U_N$ | $\geq 0.8$          |
| Typical input current at $U_N$                       | 4 mA                |

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### Technical data

#### Input data

|                              |                                      |
|------------------------------|--------------------------------------|
| Typical response time        | 3 ms                                 |
| Typical turn-off time        | 13 ms                                |
| Status display               | Yellow LED                           |
| Type of protection           | Protection against polarity reversal |
|                              | Surge protection                     |
| Protective circuit/component | Polarity protection diode            |
| Transmission frequency       | 10 Hz                                |

#### Output data

|                                                  |                                             |
|--------------------------------------------------|---------------------------------------------|
| Output voltage range                             | 12 V DC ... 60 V DC                         |
| Limiting continuous current                      | 1 A (see derating curve)                    |
| Surge current                                    | 5 A (t = 1 s)                               |
| Peak offstate voltage                            | 60 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 0110b, Gr. C for 250 V DC |
|                           | DIN VDE 0160 (in relevant parts)  |

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

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### Classifications

#### ETIM

|          |          |
|----------|----------|
| 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

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Approvals

GOST / GOST

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Ex Approvals

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Approvals submitted

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#### Approval details

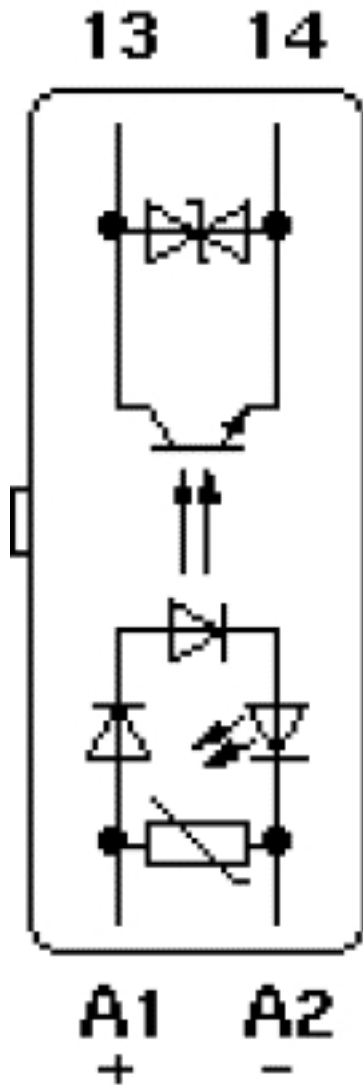
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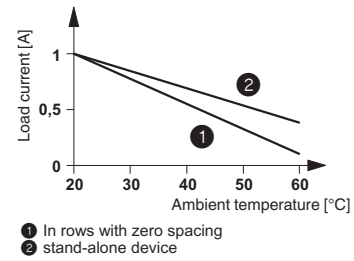
### Drawings

## Solid-state relays - ST-OV2-230AC/ 60DC/1 - 2905080

Circuit diagram



Diagram



## Solid-state relays - ST-OV2-230AC/ 60DC/1 - 2905080

Circuit diagram

