

Solid-state relays - ST-OV3- 24DC/400AC/3 - 2905417

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Plug-in power solid-state relay, input: 24 V DC, output: 24 - 420 V AC/max. 3 A


The illustration shows version ST-OV
3- 5 DC/240 AC/3

Product Features

- Plug-in
- Control of 230 V motors in simple reversing mode (e.g., synchronous motor in single-phase mode, see illustration)
- Switching of up to 400 V AC/3 A



Key commercial data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 017918 079406 |
| Weight per Piece (excluding packing) | 62.8 GRM |
| Custom tariff number | 85364190 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------|---------|
| Width | 20.8 mm |
| Height | 42.5 mm |
| Depth | 112 mm |

Ambient conditions

| | |
|---|----------------|
| Ambient temperature (operation) | 0 °C ... 60 °C |
| Ambient temperature (storage/transport) | 0 °C ... 70 °C |

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Technical data

Input data

| | |
|--|--------------------------------------|
| Nominal input voltage U_N | 24 V DC $\pm 10\%$ |
| Switching threshold "0" signal in reference to U_N | ≤ 0.4 |
| Switching threshold "1" signal in reference to U_N | ≥ 0.8 |
| Typical input current at U_N | 7 mA |
| Operating voltage display | Yellow LED |
| Type of protection | Protection against polarity reversal |
| | RC element |
| Protective circuit/component | RC element |
| Transmission frequency | 10 Hz |

Output data

| | |
|--|---------------------------------------|
| Output nominal voltage | 400 V AC |
| Output voltage range | 24 V AC ... 420 V AC |
| Limiting continuous current | 3 A (see derating curve) |
| Maximum inrush current | 125 A ($t = 10$ ms) |
| Min. load current | 50 mA |
| Leakage current | approx. 12 mA |
| Surge current | 125 A ($t = 10$ ms) |
| Peak offstate voltage | 800 V (Periodic peak reverse voltage) |
| Voltage drop at max. limiting continuous current | ≤ 1.2 V |
| Type of protection | Surge protection |
| | RC element |
| Protective circuit/component | Varistor |
| | RC element |

General

| | |
|----------------------------------|---------------------|
| Test voltage input/output | 2.5 kV AC |
| | 2.5 kV AC |
| Mounting position | Horizontal DIN rail |
| Standards/regulations | IEC 60664 |
| | EN 50178 |
| | IEC 62103 |
| Rated surge voltage / insulation | Basic insulation |
| Pollution degree | 2 |
| Surge voltage category | III |

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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 |
| 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

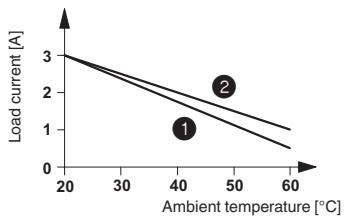
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Approvals



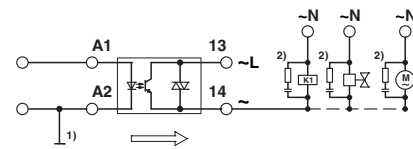
Drawings

Diagram



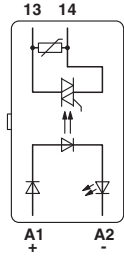
- 1 In rows with zero spacing
- 2 stand-alone device

Diagram



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Circuit diagram



Catalog photo



Figure may contain other products.