



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Solid-state relays - ST-OV3-220DC/240AC/3 - 2903105

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Pluggable power optocoupler, with light indicator and protection circuits in the input and output circuits, input: 220 V DC, output: 24-280 V AC/max. 3 A, can be plugged on basic termination blocks

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



Key commercial data

Packing unit	1 pc
GTIN	 4 017918 078935
Weight per Piece (excluding packing)	61.15 GRM
Custom tariff number	85364900
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	220 V DC ± 20 %
Switching threshold "0" signal, voltage	≤ 86 V
Switching threshold "1" signal voltage	≥ 106 V
Typical input current at U_N	7 mA

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Technical data

Input data

Typical response time	switch-on time: Max. one half cycle - zero-voltage crossing
Typical turn-off time	switch-off time Max. one half cycle - zero-current crossing
Operating voltage display	Yellow LED
Type of protection	Protection against polarity reversal
Protective circuit/component	Polarity protection diode
Transmission frequency	25 Hz

Output data

Output voltage range	24 V AC ... 280 V AC
Limiting continuous current	3 A (see derating curve)
Min. load current	50 mA
Leakage current	5 mA (in off state - components with low minimum load and leakage currents on request.)
Surge current	35 A (t = 10 ms)
Max. load value	$6 \text{ A}^2\text{s}$ ($I^2 \times t$ at $t = 8.3 \text{ ms}$)
Peak offstate voltage	600 V
Voltage drop at max. limiting continuous current	1.5 V
Output circuit	2-wire, floating
Protective circuit/component	RC element

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

ETIM

ETIM 2.0	EC001504
ETIM 3.0	EC001504
ETIM 4.0	EC001504



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Classifications

ETIM

ETIM 5.0	EC001504
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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

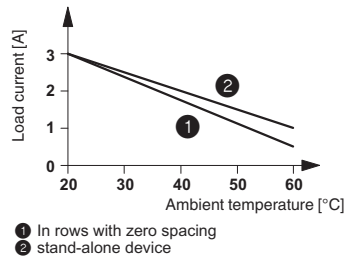
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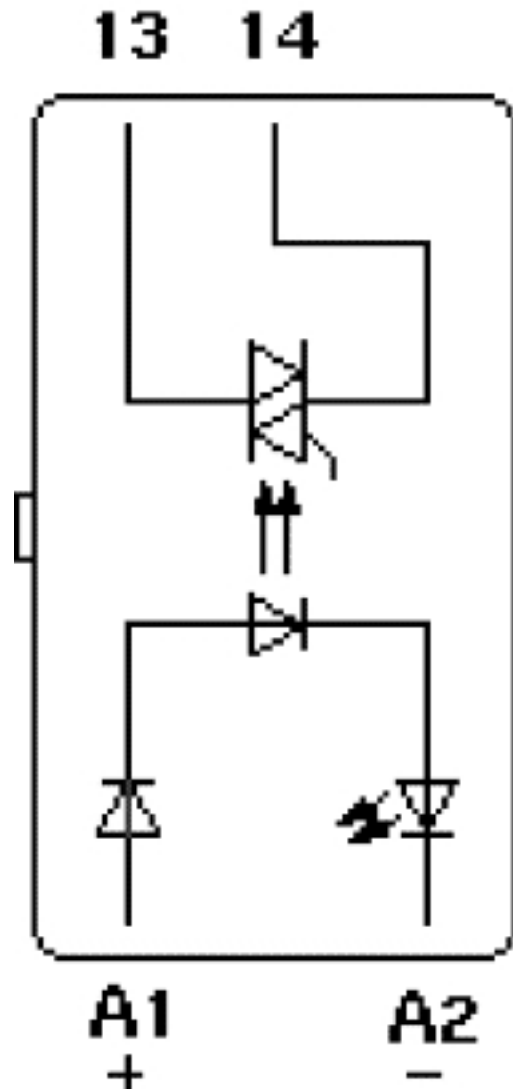
Drawings

Solid-state relays - ST-OV3-220DC/240AC/3 - 2903105

Diagram



Circuit diagram



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Circuit diagram

