



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!



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Solid-state relays - ST-OV3-110DC/220DC/1 - 2903189

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Plug-in power solid-state relay, with LED and protective circuit in input and output circuits, input: 110 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
Weight per Piece (excluding packing)	56.95 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	110 V DC ± 10 %
Switching threshold "0" signal, voltage	≤ 7 V
Switching threshold "1" signal voltage	≥ 19 V
Typical input current at U_N	6 mA
Typical response time	25 μ s
Typical turn-off time	1 ms

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Technical data

Input data

Transmission frequency	100 Hz
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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
UNSPSC 7.0901	39121542
UNSPSC 11	39121542

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Classifications

UNSPSC

UNSPSC 12.01	39121542
UNSPSC 13.2	39121542

Approvals

Approvals

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GOST / GOST

Ex Approvals

Approvals submitted

Approval details

GOST



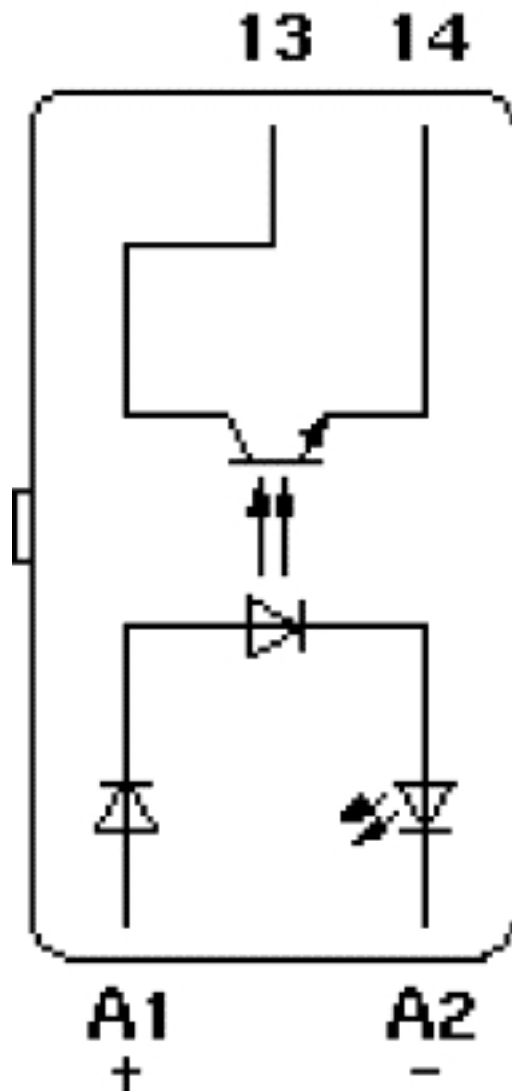
GOST



Drawings

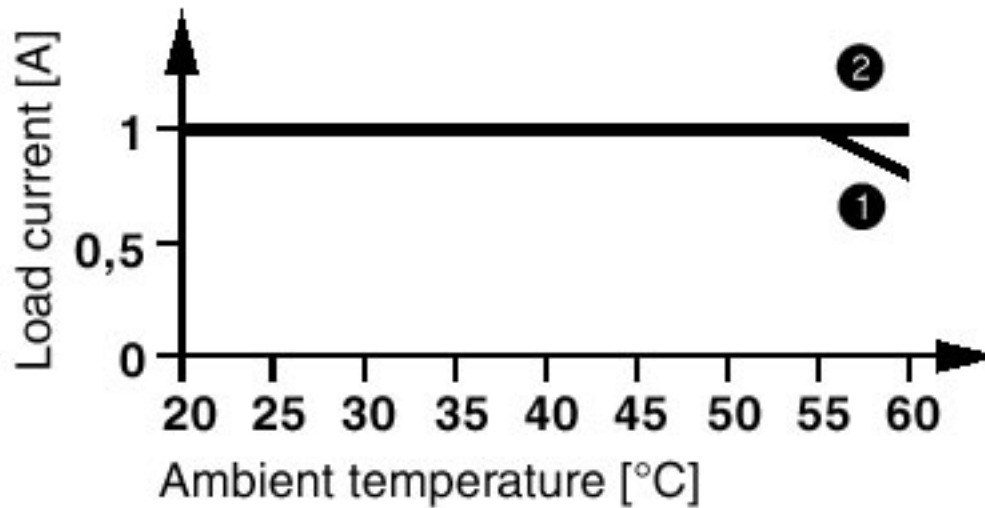
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Circuit diagram



Solid-state relays - ST-OV3-110DC/220DC/1 - 2903189

Diagram



- ① mounted in rows with zero spacing.
- ② power optocouplers mounted in rows, ≥ 20 mm.

Circuit diagram

