Solid-state relays - ST-OE2-230AC/ 48DC/100 - 2911744

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)



The illustration shows version ST-OV 2- 5 DC/ 48 DC/100

Pluggable input optocoupler, with light indicator and protection circuits in the input and output circuits, input: 230 V AC, output: 8 - 48 V DC/ max. 100 mA, can be plugged on basic termination blocks

Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	23.9 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 ±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	4 mA
Typical response time	10 ms
Typical turn-off time	10 ms

Solid-state relays - ST-OE2-230AC/ 48DC/100 - 2911744

Technical data

Input data

Status display	Yellow LED
Type of protection	Protection against polarity reversal
	Surge protection
Protective circuit/component	Polarity protection diode
	RC element
Transmission frequency	10 Hz

Output data

Output voltage range	8 V DC ... 48 V DC
Limiting continuous current	100 mA
Voltage drop at max. limiting continuous current	0.9 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

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

Solid-state relays - ST-OE2-230AC/ 48DC/100 - 2911744

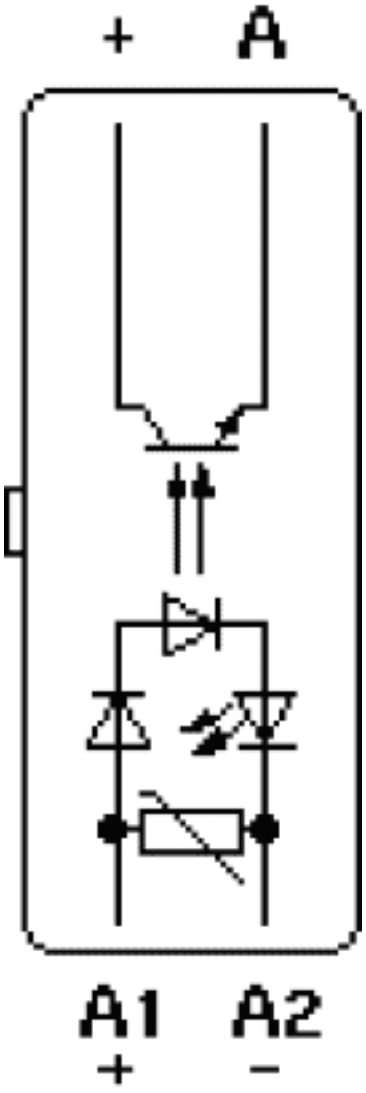
Classifications

UNSPSC

UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39121542

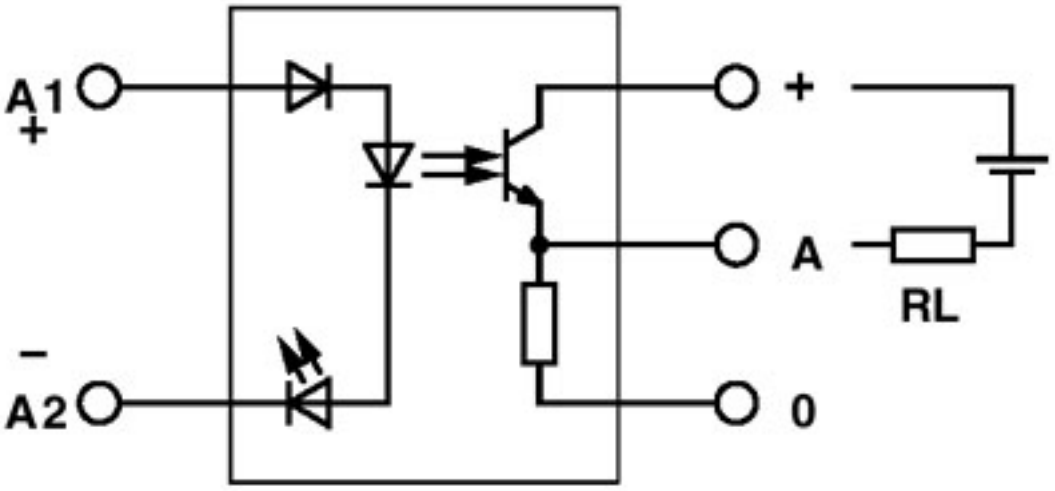
Drawings

Circuit diagram



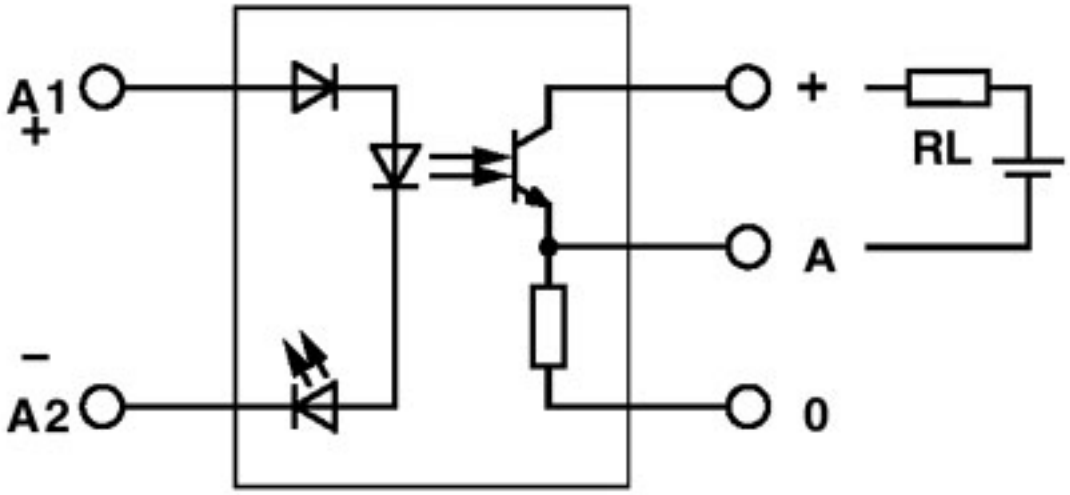
Solid-state relays - ST-OE2-230AC/ 48DC/100 - 2911744

Circuit diagram



Output: 2-wire, floating, plus switching

Circuit diagram



Output: 2-wire, floating, minus switching

Phoenix Contact 2014 © - all rights reserved
http://www.phoenixcontact.com