

# Solid-state relays - ST-OE3- 24DC/ 48DC/100 - 2911058

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Plug-in input solid-state relay, with LED and protective circuit in input and output circuits, input: 24 V DC, output: 8 - 48 V DC/max. 100 mA, can be plugged into basic terminal blocks

The figure shows version ST-OV 3-5 DC/ 48 DC/100



## Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 079482
GTIN	4017918079482
Weight per Piece (excluding packing)	27.590 g
Custom tariff number	85364190
Country of origin	Germany

## Technical data

### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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### 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 $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.9 ... 1.1

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## Technical data

### Input data

Input voltage range	21.6 V DC ... 26.4 V DC
Switching threshold "0" signal in reference to U <sub>N</sub>	≤ 0.4
Switching threshold "1" signal in reference to U <sub>N</sub>	≥ 0.8
Typical input current at U <sub>N</sub>	9 mA
Typical response time	50 µs
Typical turn-off time	100 µs
Status display	Yellow LED
Type of protection	Reverse polarity protection
	Surge protection
Protective circuit/component	Polarity protection diode
Transmission frequency	300 Hz

### Output data

Output voltage range	8 V DC ... 48 V DC
Limiting continuous current	100 mA
Voltage drop at max. limiting continuous current	1.2 V
Output circuit	2-conductor floating, 3-conductor ground-referenced
Type of protection	Reverse polarity protection
	Free running
Protective circuit/component	Polarity protection diode
	Damping diode
Output resistor	approx. 22 kΩ (for 3-wire connection)

### General

Test voltage input/output	2.5 kV AC
Mounting position	any

### Standards and Regulations

Standards/regulations	IEC 60664
	IEC 60664A
	DIN VDE 0110

### Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Classifications

### eCl@ss

eCl@ss 4.0	27371100
eCl@ss 4.1	27371100

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## Classifications

### eCl@ss

eCl@ss 5.0	27371000
eCl@ss 5.1	27371000
eCl@ss 6.0	27371600
eCl@ss 7.0	27371604
eCl@ss 8.0	27371604
eCl@ss 9.0	27371604

### ETIM

ETIM 2.0	EC001504
ETIM 3.0	EC001504
ETIM 4.0	EC001504
ETIM 5.0	EC001504
ETIM 6.0	EC001504
ETIM 7.0	EC001504

### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39122326
UNSPSC 18.0	39122326
UNSPSC 19.0	39122326
UNSPSC 20.0	39122326
UNSPSC 21.0	39122326

## Approvals

### Approvals

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Approvals


EAC

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Ex Approvals

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### Approval details

EAC		TR_TS_D_00573_c
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