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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 relay terminal block - DEK-OE-230AC/ 48DC/100/SO 46 - 2964678

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Solid-state relay interface designed to prevent interference on the control side, input: 230 V AC, output: 48 V DC/100 mA

## Product Features

- ✓ Use of AC output cards, resulting in residual AC currents
- ✓ Resistant to interference currents
- ✓ Applications with long control lines
- ✓ High relay release voltage



## Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	25.07 GRM
Custom tariff number	85364900
Country of origin	China

## Technical data

### Dimensions

Width	6.2 mm
Height	80 mm
Depth	56 mm

### Ambient conditions

Ambient temperature (operation)	0 °C ... 50 °C
Ambient temperature (storage/transport)	0 °C ... 70 °C

### Input data

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## Technical data

### Input data

Nominal input voltage $U_N$	230 V AC
Input voltage range in reference to $U_N$	0.9 ... 1.1
Switching threshold "0" signal, voltage	$\leq 92$ V AC
Switching threshold "1" signal voltage	$> 207$ V AC
Typical input current at $U_N$	2.5 mA
Typical response time	4.4 ms
Typical turn-off time	14 ms
Operating voltage display	Yellow LED
Type of protection	Surge protection
	RC element
Protective circuit/component	Varistor
	RC element
Transmission frequency	5 Hz

### Output data

Output voltage range	3 V DC ... 48 V DC
Limiting continuous current	100 mA
Voltage drop at max. limiting continuous current	$\leq 0.9$ V
Output circuit	3-conductor, ground-referenced
Type of protection	Protection against polarity reversal
	Free running
Protective circuit/component	Polarity protection diode
	Damping diode

### Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

### General

Test voltage input/output	2.5 kV AC
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# Solid-state relay terminal block - DEK-OE-230AC/ 48DC/100/SO 46 - 2964678

## Technical data

### General

	2.5 kV AC
Mounting position	any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	Basic insulation
Pollution degree	2
Surge voltage category	III

## 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

# Solid-state relay terminal block - DEK-OE-230AC/ 48DC/100/SO 46 - 2964678

## Approvals

Approvals

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Approvals

GOST

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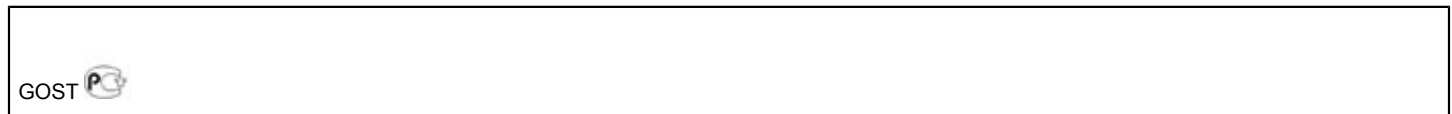
Ex Approvals

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Approvals submitted

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## Approval details



## Accessories

Accessories

Partition plate

Separating plate - D-DEK 1,5 GN - 2716949



Cover for setting the end of a terminal row, color: green

## Drawings

# Solid-state relay terminal block - DEK-OE-230AC/ 48DC/100/SO 46 - 2964678

Circuit diagram

