

## Solid-state relay terminal block - DEK-OE- 60DC/ 48DC/100 - 2941536

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Input solid-state relay terminal block, input: 60 V DC, output: 3 - 48 V DC/100 mA, terminal block width: 6.2 mm

The illustration shows the version DEK-OE- 24DC/48DC/100

### Product Features

- Actuator version available
- EB-DIK insertion bridges
- Labeling and mounting with user-friendly modular terminal blocks
- Wear-free switching of up to 24 V DC/10 A or 240 V AC/800 mA
- Integrated output protective circuit
- Integrated input circuit
- Status indicator
- Electrical isolation between input and output at up to 2.5 kVrms
- Zero voltage switch at AC output



### Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	23.63 GRM
Custom tariff number	85364190
Country of origin	China

### Technical data

Note:

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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### Dimensions

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## Technical data

### Dimensions

Width	6.2 mm
Height	80 mm
Depth	56 mm

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

### Input data

Nominal input voltage $U_N$	60 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.2
Switching threshold "0" signal in reference to $U_N$	$\leq 0.4$
Switching threshold "1" signal in reference to $U_N$	$\geq 0.8$
Typical input current at $U_N$	4 mA
Typical response time	20 $\mu$ s
Typical turn-off time	200 $\mu$ s
Operating voltage display	Yellow LED
Type of protection	Protection against polarity reversal
Transmission frequency	300 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	2-conductor floating, 3-conductor ground-referenced
Type of protection	Protection against polarity reversal
	Free-wheeling diode
Protective circuit/component	Polarity protection diode
	Damping diode
Output resistor	approx. 22 k $\Omega$ (for 3-wire operation)

### 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.	2.5 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>

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## Technical data

### Connection data

Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14

### General

Test voltage input/output	2.5 kV AC
Mounting position	any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Name	Standards/regulations
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

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## Classifications

UNSPSC

UNSPSC 13.2	39121542
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## Approvals

Approvals

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Approvals

GOST

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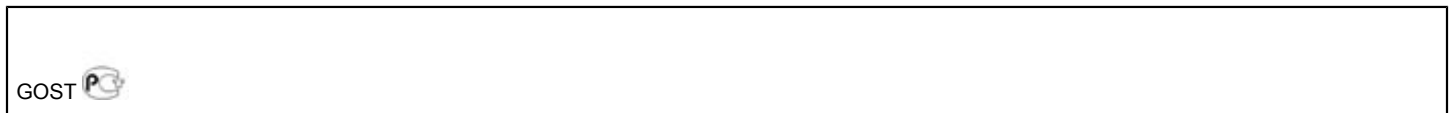
Ex Approvals

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Approvals submitted

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## Approval details



## Accessories

Accessories

Bridge

Insertion bridge - EB 80- DIK WH - 2715788



Insertion bridge, Number of positions: 80, Color: white

Insertion bridge - EB 80- DIK RD - 2715953



Insertion bridge, Number of positions: 80, Color: red

## Solid-state relay terminal block - DEK-OE- 60DC/ 48DC/100 - 2941536

### Accessories

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Insertion bridge - EB 80- DIK BU - 2715940



Insertion bridge, Number of positions: 80, Color: blue

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Insertion bridge - EB 10- DIK BU - 2716680



Insertion bridge, Number of positions: 10, Color: blue

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Insertion bridge - EB 5- DIK BU - 2716677



Insertion bridge, Number of positions: 5, Color: blue

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Insertion bridge - EB 4- DIK BU - 2716664



Insertion bridge, Number of positions: 4, Color: blue

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Insertion bridge - EB 3- DIK BU - 2716651



Insertion bridge, Number of positions: 3, Color: blue

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## Solid-state relay terminal block - DEK-OE- 60DC/ 48DC/100 - 2941536

### Accessories

Insertion bridge - EB 2- DIK BU - 2716648



Insertion bridge, Number of positions: 2, Color: blue

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Insertion bridge - EB 10- DIK RD - 2716774



Insertion bridge, Number of positions: 10, Color: red

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Insertion bridge - EB 5- DIK RD - 2716761



Insertion bridge, Number of positions: 5, Color: red

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Insertion bridge - EB 4- DIK RD - 2716758



Insertion bridge, Number of positions: 4, Color: red

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Insertion bridge - EB 3- DIK RD - 2716745



Insertion bridge, Number of positions: 3, Color: red

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# Solid-state relay terminal block - DEK-OE- 60DC/ 48DC/100 - 2941536

## Accessories

Insertion bridge - EB 2- DIK RD - 2716693



Insertion bridge, Number of positions: 2, Color: red

## Drawings

Circuit diagram

