

# Solid-state relay terminal block - DEK-OE- 24DC/ 48DC/100/ T - 2964254

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Input solid-state relay terminal block, input: 24 V DC, output: 3 - 48 V DC/100 mA, with isolating plug in output, terminal block width: 6.2 mm



## Key commercial data

package_quantity	10
GTIN	4017918100803

## Technical data

Note:

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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## 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 $U_N$	24 V DC $\pm$ 10%
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 $U_N$	6.5 mA
Typical response time	40 $\mu$ s (delay)
Typical turn-off time	40 $\mu$ s (delay)
Status display	Yellow LED
Type of protection	Protection against polarity reversal
Protective circuit/component	Bridge rectifier
Transmission frequency	30 Hz

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## Technical data

### Output data

<b>Output voltage range</b>	3 V DC ... 48 V DC
<b>Limiting continuous current</b>	100 mA
<b>Voltage drop at max. limiting continuous current</b>	≤ 0.9 V
<b>Output circuit</b>	2-wire, floating
<b>Type of protection</b>	Protection against polarity reversal
<b>Type of protection</b>	Surge protection
<b>Protective circuit/component</b>	Polarity protection diode

### Connection data

<b>Connection method</b>	Screw connection
<b>Stripping length</b>	8 mm
<b>Screw thread</b>	M3
<b>Conductor cross section solid min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section solid max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section stranded min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	24
<b>Conductor cross section AWG/kcmil max</b>	14

### General

<b>Test voltage input/output</b>	2.5 kV AC
<b>Mounting position</b>	Any
<b>Assembly instructions</b>	In rows with zero spacing
<b>Operating mode</b>	100% operating factor
<b>Standards/regulations</b>	IEC 60664
<b>Standards/regulations</b>	IEC 60664 A
<b>Standards/regulations</b>	DIN VDE 0110
<b>Pollution degree</b>	2
<b>Surge voltage category</b>	III

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27371102
<b>eCl@ss 4.1</b>	27371102
<b>eCl@ss 5.0</b>	27371001
<b>eCl@ss 5.1</b>	27371001
<b>eCl@ss 6.0</b>	27371001
<b>eCl@ss 7.0</b>	27371001
<b>eCl@ss 8.0</b>	27371001

### ETIM

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## classifications

### ETIM

ETIM 2.0	EC001504
ETIM 3.0	EC001504
ETIM 4.0	EC001504
ETIM 5.0	EC001504

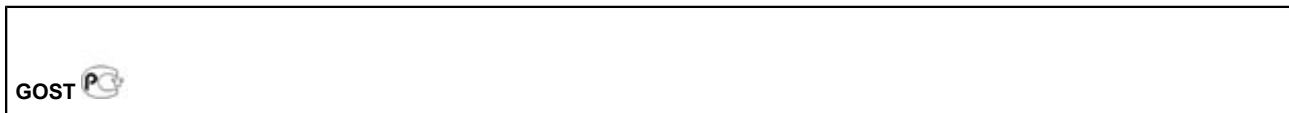
### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39121542

## approvals

GOST /

### Approval details



## accessories

### Partition plate

D-DEK 1,5 GN - 2716949



### Bridge

EB 2- DIK RD - 2716693



## Solid-state relay terminal block - DEK-OE- 24DC/ 48DC/100/ T - 2964254

### accessories

EB 3- DIK RD - 2716745



EB 4- DIK RD - 2716758



EB 5- DIK RD - 2716761



EB 10- DIK RD - 2716774



EB 2- DIK BU - 2716648



## Solid-state relay terminal block - DEK-OE- 24DC/ 48DC/100/ T - 2964254

### accessories

EB 3- DIK BU - 2716651



EB 4- DIK BU - 2716664



EB 5- DIK BU - 2716677



EB 10- DIK BU - 2716680



EB 80- DIK BU - 2715940



# Solid-state relay terminal block - DEK-OE- 24DC/ 48DC/100/ T - 2964254

accessories

EB 80- DIK RD - 2715953



EB 80- DIK WH - 2715788



## Drawings

Circuit diagram

