

# Solid-state relay terminal block - DEK-OE- 5DC/24DC/100KHZ - 2964270

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Input solid-state relay, transmission frequency: 100 kHz, with LED and protective circuit in input and output circuits, input: 5 V DC, output: 4 - 30 V DC/50 mA

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

## Product Features

- With capacitor on the input side for interference suppression
- Limit frequency of up to 100 kHz
- Push/pull stage on output side
- Includes signal inputs on PLC counter boards



## Key commercial data

package_quantity	10
GTIN	4017918107406

## 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 $U_N$	5 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.2
Switching threshold "0" signal in reference to $U_N$	$\leq 0.4$

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### Input data

Switching threshold "1" signal in reference to $U_N$	$\geq 0.8$
Typical input current at $U_N$	7 mA
Typical response time	1.5 $\mu$ s
Typical turn-off time	2 $\mu$ s
Operating voltage display	Yellow LED
Type of protection	Protection against polarity reversal
Type of protection	Surge protection
Protective circuit/component	Polarity protection diode
Transmission frequency	100 kHz

### Output data

Output voltage range	4 V DC ... 30 V DC
Limiting continuous current	50 mA
Quiescent current	4.3 mA
Voltage drop at max. limiting continuous current	$\leq 0.5$ V DC
Output circuit	3-conductor, ground-referenced
Type of protection	Surge protection
Protective circuit/component	Suppressor 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
Test voltage input/output	2.5 kV AC
Mounting position	any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Standards/regulations	IEC 60664
Standards/regulations	EN 50178
Standards/regulations	IEC 62103
Rated surge voltage / insulation	Basic insulation
Pollution degree	2
Surge voltage category	II

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## Technical data

### 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

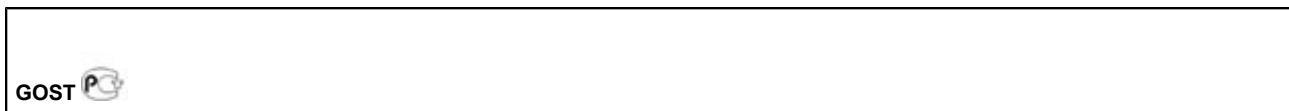
### approvals

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GOST /

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#### Approval details



### accessories

#### Partition plate

## Solid-state relay terminal block - DEK-OE- 5DC/ 24DC/100KHZ - 2964270

accessories

D-DEK 1,5 GN - 2716949



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### Sensor/actuator terminal block

DIKD 1,5 - 2715979



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### Terminal marking

ZB 6:UNBEDRUCKT - 1051003



ZB 6/WH-100:UNBEDRUCKT - 5060935



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### Labeled terminal marker

ZB 6,LGS:FORTL.ZAHLEN - 1051016



## Solid-state relay terminal block - DEK-OE- 5DC/ 24DC/100KHZ - 2964270

accessories

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### Bridge

EB 2- DIK RD - 2716693



EB 3- DIK RD - 2716745



EB 4- DIK RD - 2716758



EB 5- DIK RD - 2716761



EB 10- DIK RD - 2716774



## Solid-state relay terminal block - DEK-OE- 5DC/ 24DC/100KHZ - 2964270

### accessories

EB 2- DIK BU - 2716648



EB 3- DIK BU - 2716651



EB 4- DIK BU - 2716664



EB 5- DIK BU - 2716677



EB 10- DIK BU - 2716680



# Solid-state relay terminal block - DEK-OE- 5DC/ 24DC/100KHZ - 2964270

## accessories

EB 80- DIK BU - 2715940



EB 80- DIK RD - 2715953



EB 80- DIK WH - 2715788



## Drawings

### Circuit diagram

