

Solid-state relay terminal block - DEK-OE- 24DC/48DC/100 - 2940207

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

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
- Electrical isolation between input and output at up to 2.5 kVrms
- Status indicator
- Zero voltage switch at AC output



Key commercial data

package_quantity	10
GTIN	4017918079901

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)	-40 °C ... 70 °C

Input data

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Technical data

Input data

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.8 ... 1.2
Switching threshold "0" signal in reference to U_N	≤ 0.4
Switching threshold "1" signal in reference to U_N	≥ 0.8
Typical input current at U_N	7 mA
Typical response time	20 μ s
Typical turn-off time	200 μ s
Operating voltage display	Green 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	≤ 0.9 V
Output circuit	2-conductor floating, 3-conductor ground-referenced
Type of protection	Protection against polarity reversal
Type of protection	Free-wheeling diode
Protective circuit/component	Polarity protection diode
Protective circuit/component	Damping diode
Output resistor	approx. 22 k Ω (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 ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
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
Designation	Standards/regulations
Standards/regulations	IEC 60664
Standards/regulations	EN 50178

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Technical data

General

Standards/regulations	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

approvals

UL Recognized / cUL Recognized / GOST / cULus Recognized /

Approval details

UL Recognized 	
Nominal voltage UN	
Nominal current IN	

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approvals

mm ² /AWG/kcmil	30-14
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cUL Recognized	
Nominal voltage UN	
Nominal current IN	
mm ² /AWG/kcmil	30-14

GOST

cULus Recognized	
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accessories

Partition plate

D-DEK 1,5 GN - 2716949



Sensor/actuator terminal block

DIKD 1,5 - 2715979



Terminal marking

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accessories

ZB 6:UNBEDRUCKT - 1051003



ZB 6/WH-100:UNBEDRUCKT - 5060935



Labeled terminal marker

ZB 6,LGS:FORTL.ZAHLEN - 1051016



Bridge

EB 2- DIK RD - 2716693



EB 3- DIK RD - 2716745



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accessories

EB 4- DIK RD - 2716758



EB 5- DIK RD - 2716761



EB 10- DIK RD - 2716774



EB 2- DIK BU - 2716648



EB 3- DIK BU - 2716651



Solid-state relay terminal block - DEK-OE- 24DC/ 48DC/100 - 2940207

accessories

EB 4- DIK BU - 2716664



EB 5- DIK BU - 2716677



EB 10- DIK BU - 2716680



EB 80- DIK BU - 2715940



EB 80- DIK RD - 2715953



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accessories

EB 80- DIK WH - 2715788



Drawings

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