

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

Why buy this product

- ✓ 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

Packing unit	10 pc
GTIN	 4 017918 079901
Weight per Piece (excluding packing)	22.83 g
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

Width	6.2 mm
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Technical data

Dimensions

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

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
Power dissipation for nominal condition	10 mW

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
	Free-wheeling diode
Protective circuit/component	Polarity protection diode
	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 flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14

General

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Technical data

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
	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

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

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized


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Approvals

Ex Approvals

Approvals submitted


Approval details

UL Recognized 	
mm²/AWG/kcmil	30-14

cUL Recognized 	
mm²/AWG/kcmil	30-14

EAC

EAC

cULus Recognized 
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Accessories

Accessories

Insertion bridge

Insertion bridge - EB 2- DIK RD - 2716693



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

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Accessories

Insertion bridge - EB 3- DIK RD - 2716745



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

Insertion bridge - EB 4- DIK RD - 2716758



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

Insertion bridge - EB 5- DIK RD - 2716761



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

Insertion bridge - EB 10- DIK RD - 2716774



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

Insertion bridge - EB 2- DIK BU - 2716648



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

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Accessories

Insertion bridge - EB 3- DIK BU - 2716651



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

Insertion bridge - EB 4- DIK BU - 2716664



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

Insertion bridge - EB 5- DIK BU - 2716677



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

Insertion bridge - EB 10- DIK BU - 2716680



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

Insertion bridge - EB 80- DIK BU - 2715940



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

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Accessories

Insertion bridge - EB 80- DIK RD - 2715953



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

Insertion bridge - EB 80- DIK WH - 2715788



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

Labeled terminal marker

Zack marker strip - ZB 6,LGS:FORTL.ZAHLEN - 1051016



Zack marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Partition plate

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



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

Sensor/actuator terminal block

Sensor/actuator terminal block - DIKD 1,5 - 2715979



Sensor/actuator terminal block, Cross section: 0.2 mm² - 4 mm², AWG: 24 - 12, Connection type: Screw connection, Width: 6.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

Terminal marking

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Accessories

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Zack marker strip - ZB 6/WH-100:UNBEDRUCKT - 5060935



Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm