

Solid-state relay terminal block - DEK-OV- 24DC/ 24DC/ 3 - 2941374

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Power solid-state relay terminal block, input: 24 V DC, output: 3 - 30 V DC/3 A, terminal block width: 6.2 mm

Product Features

- EB-DIK insertion bridges
- Actuator version available
- 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
- Status indicator
- Integrated input circuit
- Zero voltage switch at AC output
- Electrical isolation between input and output at up to 2.5 kVrms



Key commercial data

package_quantity	10
GTIN	4017918080396

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

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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	40 μ s
Typical turn-off time	200 μ 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 ... 30 V DC
Limiting continuous current	3 A (see derating curve)
Voltage drop at max. limiting continuous current	≤ 0.2 V
Output circuit	2-wire, floating
Type of protection	Protection against polarity reversal
Type of protection	Surge protection
Protective circuit/component	Polarity protection diode

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
Name	Standards/regulations
Standards/regulations	IEC 60664
Standards/regulations	EN 50178
Standards/regulations	IEC 62103
Rated surge voltage / insulation	Basic insulation

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General

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

GOST /

Approval details



accessories

Bridge

Solid-state relay terminal block - DEK-OV- 24DC/ 24DC/ 3 - 2941374

accessories

EB 80- DIK WH - 2715788



EB 80- DIK RD - 2715953



EB 80- DIK BU - 2715940



EB 10- DIK BU - 2716680



EB 5- DIK BU - 2716677



Solid-state relay terminal block - DEK-OV- 24DC/ 24DC/ 3 - 2941374

accessories

EB 4- DIK BU - 2716664



EB 3- DIK BU - 2716651



EB 2- DIK BU - 2716648



EB 10- DIK RD - 2716774



EB 5- DIK RD - 2716761



Solid-state relay terminal block - DEK-OV- 24DC/ 24DC/ 3 - 2941374

accessories

EB 4- DIK RD - 2716758



EB 3- DIK RD - 2716745



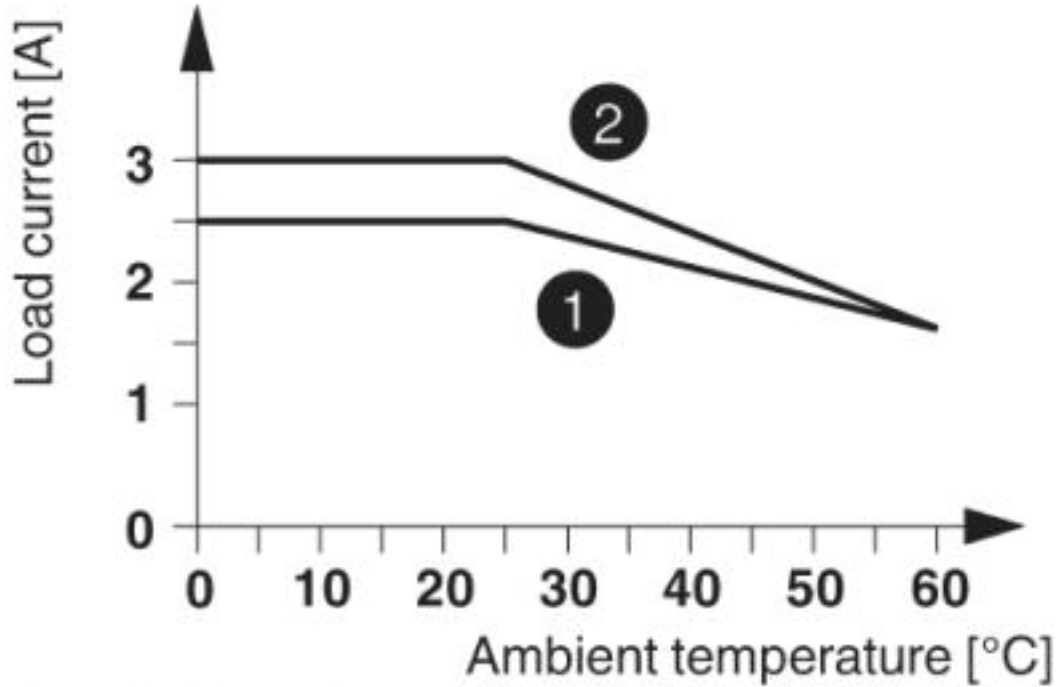
EB 2- DIK RD - 2716693



Drawings

Solid-state relay terminal block - DEK-OV- 24DC/ 24DC/ 3 - 2941374

Diagram



- 1 Horizontal mounting
- 2 Vertical mounting

Circuit diagram

