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Input solid-state relay terminal block, input: 12 V DC, output: 3 - 48 V DC/100 mA, terminal block width: 6.2 mm

The illustration shows the version DEK-OE- 24DC/48DC/100

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



Key Commercial Data

Packing unit	1 pc
GTIN	4 017918 125141
Weight per Piece (excluding packing)	23.64 g
Custom tariff number	85364190
Country of origin	China

Technical data

Note



Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

٧	Vidth	6.2 mm
Н	Height	80 mm
D	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	12 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	11 mA
Typical response time	20 μs
Typical turn-off time	200 μs
Operating voltage display	Yellow LED
Type of protection	Reverse polarity protection
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	Reverse polarity protection
	Free-wheeling diode
Protective circuit/component	Polarity protection diode
	Damping diode
Output resistor	approx. 22 kΩ (for 3-wire operation)

Connection data, input side

Connection name	Input side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3



Technical data

Connection data, input side

Conductor cross section solid	0.2 mm² 2.5 mm²
Conductor cross section flexible	0.2 mm² 2.5 mm²
Conductor cross section AWG	24 14
Torque	0.5 Nm

Connection data, output side

Connection name	Output side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm² 2.5 mm²
Conductor cross section flexible	0.2 mm² 2.5 mm²
Conductor cross section AWG	24 14
Torque	0.5 Nm

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
Degree of pollution	2
Overvoltage category	III

Standards and Regulations

Designation	Standards/regulations
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage/insulation	Basic insulation
Degree of pollution	2
Overvoltage 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	27371604
eCl@ss 9.0	27371604

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		

Ex Approvals

EAC / EAC

Approvals submitted

Approval details

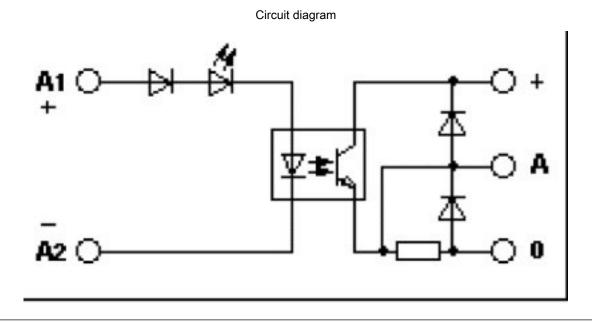


Approvals

EAC		
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EAC

Drawings



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