

Solid-state relay terminal block - DEK-OE-230AC/ 48DC/100/SO 46 - 2964678

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Solid-state relay interface designed to prevent interference on the control side, input: 230 V AC, output: 48 V DC/100 mA

Product Features

- Use of AC output cards, resulting in residual AC currents
- Resistant to interference currents
- Applications with long control lines
- High relay release voltage



Key commercial data

package_quantity	10
GTIN	4017918131067

Technical data

Dimensions

Width	6.2 mm
Height	80 mm
Depth	56 mm

Ambient conditions

Ambient temperature (operation)	0 °C ... 50 °C
Ambient temperature (storage/transport)	0 °C ... 70 °C

Input data

Nominal input voltage U_N	230 V AC
Input voltage range in reference to U_N	0.9 ... 1.1
Switching threshold "0" signal, voltage	≤ 92 V AC
Switching threshold "1" signal voltage	> 207 V AC
Typical input current at U_N	2.5 mA
Typical response time	4.4 ms
Typical turn-off time	14 ms
Operating voltage display	Yellow LED

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Technical data

Input data

Type of protection	Surge protection
Type of protection	RC element
Protective circuit/component	Varistor
Protective circuit/component	RC element
Transmission frequency	5 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	3-conductor, ground-referenced
Type of protection	Protection against polarity reversal
Type of protection	Free running
Protective circuit/component	Polarity protection diode
Protective circuit/component	Damping 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.	4 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	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	III

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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

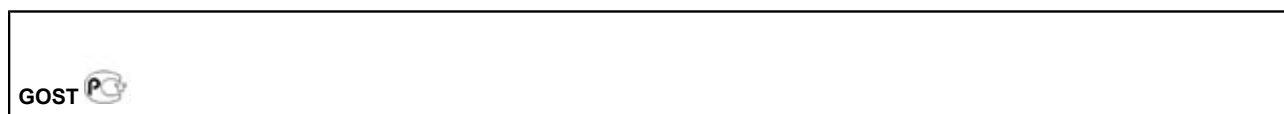
UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39121542

approvals

GOST /

Approval details



accessories

Partition plate

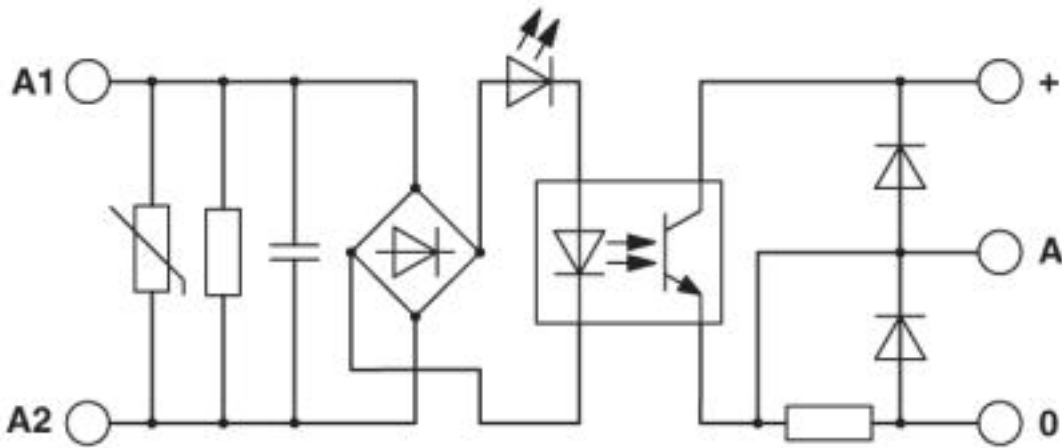
D-DEK 1,5 GN - 2716949



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Drawings

Circuit diagram



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