

Solid-state relay terminal block - DEK-OE- 5DC/ 24DC/100KHZ-G - 2964555

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Input solid-state relay, with DC voltage output push-pull, transmission frequency: 100 kHz, with light indicator and protective circuit in input and output circuits, input: 5 V DC, output: 14 - 30 V DC/50 mA


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

Why buy this product

- ✓ With capacitor on the input side for interference suppression
- ✓ Includes signal inputs on PLC counter boards
- ✓ Push/pull stage on output side
- ✓ Limit frequency of up to 100 kHz



Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 130992
GTIN	4017918130992
Weight per Piece (excluding packing)	24.440 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

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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

Nominal input voltage U_N	5 V DC
Input voltage range in reference to U_N	0.5 ... 1.2
Input voltage range	2.5 V DC ... 6 V DC
Switching threshold "0" signal in reference to U_N	≤ 0.3
Switching threshold "1" signal in reference to U_N	≥ 0.5
Typical input current at U_N	8 mA
Typical response time	1 μ s
Typical turn-off time	2 μ s
Operating voltage display	Yellow LED
Type of protection	Reverse polarity protection
	Surge protection
Protective circuit/component	Polarity protection diode
Transmission frequency	100 kHz

Output data

Output voltage range	14 V DC ... 30 V DC
Limiting continuous current	50 mA
Quiescent current	15 mA
Voltage drop at max. limiting continuous current	≤ 2.2 V DC
Output circuit	3-conductor push-pull, ground referenced
Type of protection	Surge protection
Protective circuit/component	Suppressor diode

Connection data, input side

Connection name	Input side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	0.2 mm ² ... 4 mm ²

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Connection data, input side

Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section AWG	24 ... 12
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 ... 4 mm²
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section AWG	24 ... 12
Torque	0.5 Nm

General

Test voltage input/output	2.5 kV AC
	2.5 kV AC
Mounting position	any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Standards/regulations	IEC 60664
	EN 50178
Degree of pollution	2
Overvoltage category	II

Standards and Regulations

Standards/regulations	IEC 60664
	EN 50178
Insulation	Basic insulation
Degree of pollution	2
Overvoltage category	II

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"



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Approvals

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EAC / EAC

Ex Approvals

Approval details

EAC		RU C- DE.A*30.B.01082
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EAC		EAC-Zulassung
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