DEK-OE-125DC/ 48DC/100/T - Solid-state relay terminal block

2940294

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Input solid-state relay terminal block, input: 125 V DC, output: 3 - 48 V DC/100 mA, with isolating plug in output, terminal block width: 6.2 mm

Commercial data

Item number	2940294
Packing unit	1 pc
Sales key	C460
Product key	DK61A1
GTIN	4017918079994
Weight per piece (including packing)	21.5 g
Weight per piece (excluding packing)	21.5 g
Customs tariff number	85364900
Country of origin	CN

Technical data

Notes

Order information:	The housing is open on one side. The appropriate cover is D-DEK 1,5 GN (2716949).
Note on application	Use of EB 80-DIK... bridges in the DEK terminal blocks: Absorption of humidity from the ambient air as well as an unfavorable tolerance between a larger number of DEK terminal blocks and the EB 80-DIK... bridge may cause (minor) expansion of the DEK housing. When the EB 80-DIK... bridges are used, therefore, it is recommended that these be disconnected after about 10 to 12 DEK terminal blocks and a wire bridge to the next DEK terminal block be inserted in their place.

Product properties

Product type	Solid-state relay module
Product family	DEK
Application	Input function
Operating mode	100% operating factor

Insulation characteristics

Overvoltage category	III
Pollution degree	2

Data management status

Date of last data management	06.11.2026

Electrical properties

Test voltage (Input/output)	2.5 kV AC (Input/output)

Input data

Nominal input voltage U_N	125 V DC
Input voltage range in reference to U_N	0.9 ... 1.1
Input voltage range	112.5 V DC ... 137.5 V DC
Switching threshold "0" signal, voltage	≤ 50 V
Switching threshold "1" signal voltage	≥ 100 V
Typical input current at U_N	3 mA
Typical response time	40 µs (delay)
Typical turn-off time	40 µs (delay)
Status display	LED (yellow)
Protective circuit	Reverse polarity protection; Bridge rectifier
Transmission frequency	30 Hz

Output data

Contact switching type	1 N/O contact
Design of digital output	electronic
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
Protective circuit	Reverse polarity protection; Polarity protection diode
	Surge protection

Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross-section rigid	0.2 mm² ... 2.5 mm²
Conductor cross-section flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section AWG	24 ... 14
Tightening torque	0.5 Nm

Dimensions

Width	6.2 mm
Height	80 mm
Depth	56 mm

Material specifications

Color	green (RAL 6021)

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Standards and regulations

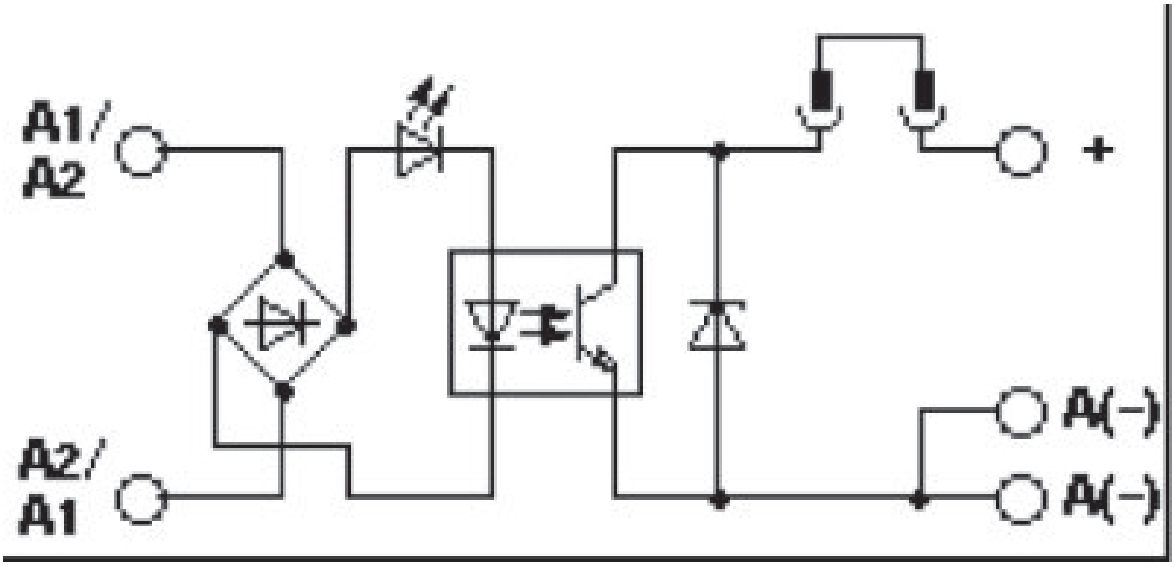
Standards/regulations	IEC 60664
	IEC 60664A
	DIN VDE 0110

Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

Drawings

Circuit diagram



Classifications

ECLASS

ECLASS-13.0	27371604

ETIM

ETIM 9.0	EC001504

UNSPSC

UNSPSC 21.0	39122300

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)
SCIP	1f3ff541-6629-4e61-a77e-10f0bb5996bc

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