

DEK-OE- 24DC/ 48DC/100/T - Solid-state relay terminal block

2964254

<https://www.phoenixcontact.com/in/products/2964254>

Please be informed that the data shown in this PDF document is generated from our Online Catalog. Please find the complete data in the user documentation. Our General Terms of Use for Downloads are valid.



Input solid-state relay terminal block, input: 24 V DC, output: 3 - 48 V DC/100 mA, with isolating plug in output, terminal block width: 6.2 mm

Commercial Data

Item number	2964254
Packing unit	10 pc
Minimum order quantity	1 pc
Sales Key	CK6
Product Key	CK61D1
Catalog Page	Page 71 (IF-2002)
GTIN	4017918100803
Weight per Piece (including packing)	21.06 g
Weight per Piece (excluding packing)	21.06 g
Customs tariff number	85364190
Country of origin	CN

DEK-OE- 24DC/ 48DC/100/T - Solid-state relay terminal block



2964254

<https://www.phoenixcontact.com/in/products/2964254>

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

Electrical properties

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

Input data

Nominal input voltage U_N	24 V DC
Input voltage range in reference to U_N	0.9 ... 1.1
Input voltage range	21.6 V DC ... 26.4 V DC
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	6.5 mA
Typical response time	40 μ s (delay)
Typical turn-off time	40 μ s (delay)
Status display	Yellow LED
Protective circuit	Reverse polarity protection; Bridge rectifier
Transmission frequency	30 Hz

Output data

Contact 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

DEK-OE- 24DC/ 48DC/100/T - Solid-state relay terminal block



2964254

<https://www.phoenixcontact.com/in/products/2964254>

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 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 14
Tightening torque	0.5 Nm

Dimensions

Width	6.2 mm
Height	80 mm
Depth	56 mm

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 instructions	in rows with zero spacing
Mounting position	any

Phoenix Contact 2023 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.
A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420
info@phoenixcontact.co.in