

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

2940281

<https://www.phoenixcontact.com/us/products/2940281>

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: 48 V DC, output: 3 - 48 V DC/100 mA, with isolating plug in output, terminal block width: 6.2 mm

Commercial data

Item number	2940281
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	DK61D1
GTIN	4017918079987
Weight per piece (including packing)	23.37 g
Weight per piece (excluding packing)	22.97 g
Customs tariff number	85364190
Country of origin	CN

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



2940281

<https://www.phoenixcontact.com/us/products/2940281>

Technical data

Notes

Order information:	The housing is open on one side. The appropriate cover is D-DEK 1,5 GN (2716949).
Utilization restriction	
EMC note	EMC: class A product, see manufacturer's declaration in the download area

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	01.04.2026

Electrical properties

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

Input data

Nominal input voltage U_N	48 V DC
Input voltage range in reference to U_N	0.9 ... 1.1
Input voltage range	43.2 V DC ... 52.8 V DC
Switching threshold "0" signal, voltage	≤ 19 V
Switching threshold "1" signal voltage	≥ 40 V
Typical input current at U_N	5 mA
Typical response time	40 μ s (delay)
Typical turn-off time	40 μ s (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

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



2940281

<https://www.phoenixcontact.com/us/products/2940281>

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

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

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



2940281

<https://www.phoenixcontact.com/us/products/2940281>

Environmental product compliance

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.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com