

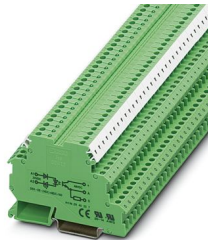
DEK-OE-230AC/ 48DC/100/SO 46 - Solid-state relay terminal block



2964678

<https://www.phoenixcontact.com/us/products/2964678>

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.



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

Your advantages

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

Commercial data

Item number	2964678
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C460
Product key	CK61DY
Catalog page	Page 447 (C-5-2019)
GTIN	4017918131067
Weight per piece (including packing)	21.805 g
Weight per piece (excluding packing)	21.805 g
Customs tariff number	85364900
Country of origin	CN

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



2964678

<https://www.phoenixcontact.com/us/products/2964678>

Technical data

Notes

General	The housing is open on one side. The appropriate cover is D-DEK 1,5 GN (2716949).
General	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	Filter to prevent interference
Operating mode	100% operating factor

Insulation characteristics

Insulation	Basic insulation
------------	------------------

Insulation characteristics

Insulation	Basic insulation
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	230 V AC
Input voltage range in reference to U_N	0.9 ... 1.1
Input voltage range	207 V AC ... 253 V AC
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
Protective circuit	Surge protection; Varistor RC element; RC element
Transmission frequency	5 Hz

Output data

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



2964678

<https://www.phoenixcontact.com/us/products/2964678>

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	3-conductor, ground-referenced
Protective circuit	Reverse polarity protection; Polarity protection diode Free running; Freewheeling diode

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

Standards and regulations

Standards/regulations	IEC 60947-5-1
-----------------------	---------------

Mounting

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

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



2964678

<https://www.phoenixcontact.com/us/products/2964678>

Classifications

ECLASS

ECLASS-11.0	27371604
ECLASS-12.0	27371604
ECLASS-13.0	27371604

ETIM

ETIM 9.0	EC001504
----------	----------

UNSPSC

UNSPSC 21.0	39122300
-------------	----------

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



2964678

<https://www.phoenixcontact.com/us/products/2964678>

Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact 2024 © - 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