

2982139

https://www.phoenixcontact.com/us/products/2982139

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.



Plug-in miniature solid-state relay, power solid-state relay, 1 N/O contact, input: 5 V DC, output: 24 - 253 V AC/0.75 A

Your advantages

- · Vibration and shock resistant
- RT III-proof (wash-proof)
- · Wear-free and durable
- · Can be soldered on PCB

Commercial data

Item number	2982139
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	CK61B3
GTIN	4046356418973
Weight per piece (including packing)	4.12 g
Weight per piece (excluding packing)	4.12 g
Customs tariff number	85364190
Country of origin	DE



2982139

https://www.phoenixcontact.com/us/products/2982139

Technical data

Product properties

Product type	Single solid-state relay
Operating mode	100% operating factor
Insulation characteristics: Standards/regulations	
Overvoltage category	III

Electrical properties

Standards/regulations

Rated insulation voltage	260 V AC
Rated surge voltage	4 kV (Basic insulation)

Input data

Nominal input voltage U _N	5 V DC
Input voltage range in reference to U _N	0.8 1.2
Input voltage range	4 V DC 6 V DC
Switching threshold "0" signal, voltage	≤ 1.4 V
Switching threshold "1" signal voltage	≥ 3 V
Typical input current at U _N	7 mA
Typical response time	10 ms
Typical turn-off time	10 ms
Transmission frequency	10 Hz

Output data

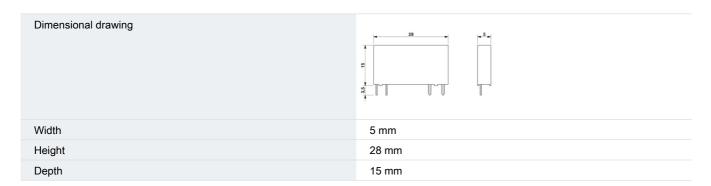
Contact switching type	1 N/O contact
Design of digital output	electronic
Output voltage range	24 V AC 253 V AC
Limiting continuous current	0.75 A (see derating curve)
Maximum inrush current	30 A (10 ms)
Min. load current	10 mA
Leakage current	< 1 mA (in off state)
Phase angle cos phi min	0.5
Max. load value	$4.5 \text{ A}^2 \text{s}$
Voltage drop at max. limiting continuous current	<1V
Output circuit	2-conductor floating, zero voltage switch
Protective circuit	RCV circuit; RCV circuit

Dimensions



2982139

https://www.phoenixcontact.com/us/products/2982139



Material specifications

Color black (RAL 90	05)

Environmental and real-life conditions

Ambient conditions

Degree of protection	RT III
Ambient temperature (operation)	-20 °C 60 °C
Ambient temperature (storage/transport)	-25 °C 75 °C

Approvals

Corrosive gas test

Identification	ISA-S71.04. G3 Harsh Group
	EN 60068-2-60

Standards and regulations

Standards/regulations

Standards/regulations	IEC 60664
	EN 50178

Mounting

Assembly instructions	in rows with zero spacing
Mounting position	any



2982139

https://www.phoenixcontact.com/us/products/2982139

Classifications

ECLASS

UNSPSC 21.0

ECLASS-11.0	27371604
ECLASS-12.0	27371604
ECLASS-13.0	27371604
ETIM	
ETIM 9.0	EC001504
UNSPSC	

39122300



2982139

https://www.phoenixcontact.com/us/products/2982139

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