

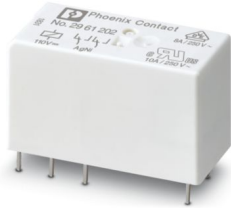
REL-MR-110DC/21-21 - Single relay



2961202

<https://www.phoenixcontact.com/us/products/2961202>

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 power relay, with power contact, 2 changeover contacts, input voltage 110 V DC

Your advantages

- RT III-proof (wash-proof)
- Switching current of up to 8 A

Commercial data

Item number	2961202
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C460
Product key	CK6195
Catalog page	Page 290 (C-5-2019)
GTIN	4017918158002
Weight per piece (including packing)	17 g
Weight per piece (excluding packing)	16.125 g
Customs tariff number	85364900
Country of origin	AT

REL-MR-110DC/21-21 - Single relay



2961202

<https://www.phoenixcontact.com/us/products/2961202>

Technical data

Product properties

Product type	Single relay
Operating mode	100% operating factor
Mechanical service life	3x 10 ⁷ cycles

Insulation characteristics

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

Insulation characteristics

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	3

Electrical properties

Service life electrical	see diagram
Maximum power dissipation for nominal condition	0.45 W
Test voltage (Winding/contact)	5 kV AC (50 Hz, 1 min., winding/contact)
Test voltage (Contact/contact)	2.5 kV AC (50 Hz, 1 min., contact/contact)

Input data

Coil side

Nominal input voltage U _N	110 V DC
Input voltage range	71.5 V DC ... 272.8 V DC
Drive and function	monostable
Drive (polarity)	non-polarized
Typical input current at U _N	4.1 mA
Typical response time	7 ms
Typical release time	3 ms
Coil resistance	26600 Ω ±15 % (at 20 °C)

Output data

Switching

Contact switching type	2 changeover contacts
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (at 10 mA)
Limiting continuous current	8 A
Maximum inrush current	25 A (20 ms)
Min. switching current	10 mA (At 5 V)
	190 W (at 24 V DC)

REL-MR-110DC/21-21 - Single relay



2961202

<https://www.phoenixcontact.com/us/products/2961202>

Interrupting rating (ohmic load) max.	85 W (at 48 V DC)
	60 W (at 60 V DC)
	44 W (at 110 V DC)
	60 W (at 220 V DC)
	2000 VA (for 250 V AC)
Switching capacity	2 A (at 24 V, DC13)
	0.2 A (at 250 V, DC13)
	3 A (at 24 V, AC15)
	3 A (at 120 V, AC15)
	3 A (at 250 V, AC15)
Motor load according to UL 508	1/4 HP, 120 V AC
	1/2 HP, 240 V AC

Connection data

Connection method	Plug / solder connection
-------------------	--------------------------

Dimensions

Dimensional drawing	
Width	12.7 mm
Height	29 mm
Depth	15.7 mm

Material specifications

Color	white (RAL 9010)
-------	------------------

Environmental and real-life conditions

Ambient conditions

Degree of protection	RT III
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

Approvals

Corrosive gas test

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

Standards and regulations

Standards/regulations	IEC 60664
	EN 50178
	EN 61810-1

REL-MR-110DC/21-21 - Single relay



2961202

<https://www.phoenixcontact.com/us/products/2961202>

Mounting

Assembly instructions	Can be aligned without spacing ($> 70\text{ °C} \geq 2.5\text{ mm}$)
Mounting position	any

REL-MR-110DC/21-21 - Single relay



2961202

<https://www.phoenixcontact.com/us/products/2961202>

Classifications

ECLASS

ECLASS-11.0	27371601
ECLASS-12.0	27371601
ECLASS-13.0	27371601

ETIM

ETIM 9.0	EC001437
----------	----------

UNSPSC

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

REL-MR-110DC/21-21 - Single relay



2961202

<https://www.phoenixcontact.com/us/products/2961202>

Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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