

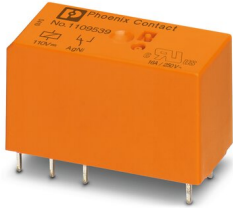
REL-MR-BL-110DC/21HC - Single relay



1109539

<https://www.phoenixcontact.com/in/products/1109539>

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.



Pluggable miniature power relay in basic design, with power contact for high continuous currents, 1 changeover contact, input voltage 110 V DC

Commercial Data

Item number	1109539
Packing unit	20 pc
Minimum order quantity	20 pc
Sales Key	CK6
Product Key	CK6195
GTIN	4063151021528
Weight per Piece (including packing)	15 g
Weight per Piece (excluding packing)	15 g
Customs tariff number	85364900
Country of origin	AT

1109539

<https://www.phoenixcontact.com/in/products/1109539>

Technical Data

Product properties

Product type	Single relay
Operating mode	100% operating factor
Mechanical service life	1x 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	0.4 W
Test voltage (Winding/contact)	5 kV AC (50 Hz, 1 min., winding/contact)
Rated insulation voltage	250 V AC
Rated surge voltage	4 kV

Input data

Coil side

Nominal input voltage U_N	110 V DC
Input voltage range	77 V DC ... 247.5 V DC
Drive and function	monostable
Drive (polarity)	non-polarized
Typical input current at U_N	3.8 mA
Typical response time	8 ms
Typical release time	6 ms
Coil voltage	110 V DC
Coil resistance	28.8 k Ω \pm 12 %

Output data

Switching

Contact switching type	1 changeover contact
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (At 24 mA)
Limiting continuous current	16 A
Maximum inrush current	30 A (300 ms)

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



1109539

<https://www.phoenixcontact.com/in/products/1109539>

Min. switching current	10 mA (at 12 V)
Interrupting rating (ohmic load) max.	384 W (at 24 V DC)
	58 W (at 48 V DC)
	48 W (at 60 V DC)
	50 W (at 110 V DC)
	80 W (at 220 V DC)
	4000 VA (for 250 V AC)
Switching capacity	2 A (at 24 V, DC13)
	1.5 A (at 230 V, AC15)

Connection data

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

Dimensions

Dimensional drawing	
Width	12.7 mm
Height	29 mm
Depth	15.7 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	RT II
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 61810-1

Mounting

Mounting type	Plug-in mounting
Mounting position	any

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



1109539

<https://www.phoenixcontact.com/in/products/1109539>

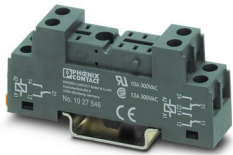
Accessories

ECOR-1-BSC2-RT/2X21 - Relay base

1027546

<https://www.phoenixcontact.com/in/products/1027546>

ECOR-1... relay base, for miniature power relays or miniature switching relays with 1 or 2 changeover contacts, bolt connection, for mounting on NS 35/7,5.



ECOR-1-BSC3/2X21 - Relay base

2907518

<https://www.phoenixcontact.com/in/products/2907518>

ECOR-1... relay base, for miniature power relay or miniature switching relay with 1 or 2 changeover contacts, screw connection, plug-in option for input/interference suppression modules, for mounting on NS 35/7,5



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