

## Single relay - REL-MR-BL-200AC/21-21/MS - 2908182


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Plug-in miniature relay, with power contact, 2 changeover contacts, test button, mechanical switch position indicator, polarity: bipolar, input voltage: 200 V AC



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 055626 279411
GTIN	4055626279411
Custom tariff number	85364190
Country of origin	China

### Technical data

#### Dimensions

Width	13 mm
Height	29 mm
Depth	25.5 mm

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection	RT II

#### Coil side

Nominal input voltage $U_N$	200 V AC
Input voltage range in reference to $U_N$	0.8 ... 1.35 (see diagram)

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## Technical data

### Coil side

Mains frequency	50/60 Hz
Typical input current at U <sub>N</sub>	4 mA
Typical response time	3 ms ... 12 ms (depending on phase relation)
Typical release time range	2 ms ... 8 ms (depending on phase relation)
Status display	Yellow LED
Power dissipation for nominal condition	0.8 W

### Contact side

Contact type	2 changeover contacts
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V (at 10 mA)
Min. switching current	10 mA (at 12 V)
Maximum inrush current	16 A (20 ms)
Limiting continuous current	8 A
Interrupting rating (ohmic load) max.	192 W (at 24 V DC)
	62 W (at 48 V DC)
	42 W (at 60 V DC)
	55 W (at 110 V DC)
	66 W (at 220 V DC)

### General

Test voltage	5 kV AC (50 Hz, 1 min., winding/contact)
	2.5 kV AC (50 Hz, 1 min., changeover contact/changeover contact)
Operating mode	100% operating factor
Mechanical service life	5x 10 <sup>6</sup> cycles
Service life, electrical	see diagram
Mounting position	any

### Connection data

Connection method	Solder connection
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### Standards and Regulations

Standards/regulations	IEC 61810
	IEC 60664
Rated insulation voltage	250 V AC
Pollution degree	2
Overvoltage category	III

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## Technical data

### Conformance/approvals

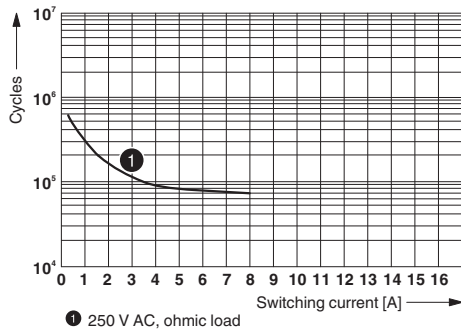
Designation	Corrosive gas test
Identification	ISA-S71.04. G3 Harsh Group
	EN 60068-2-60

### Environmental Product Compliance

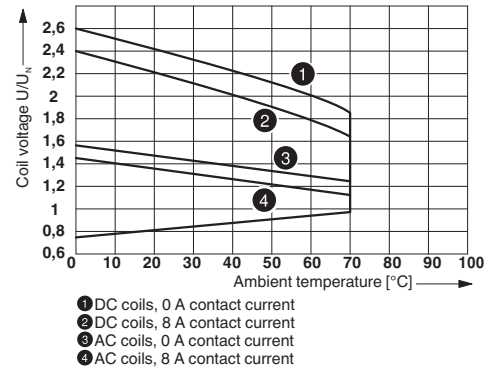
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Diagram



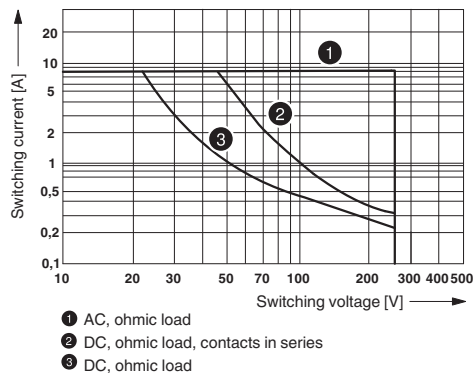
Diagram



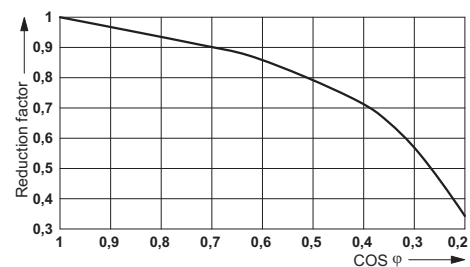
### Electrical service life

### Operating voltage range

Diagram



Diagram

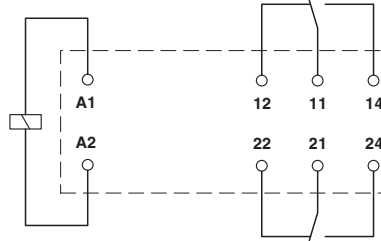


### Interrupting rating

### Service life reduction factor with various cos phi

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Circuit diagram



## Classifications

### eCl@ss

eCl@ss 10.0.1	27371601
eCl@ss 11.0	27371601
eCl@ss 5.0	27371600
eCl@ss 5.1	27371600
eCl@ss 6.0	27371600
eCl@ss 7.0	27371601
eCl@ss 9.0	27371601

### ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 6.0	EC001437
ETIM 7.0	EC001437

### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39122334
UNSPSC 18.0	39122334
UNSPSC 19.0	39122334
UNSPSC 20.0	39122334
UNSPSC 21.0	39122334

## Approvals

### Approvals

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## Approvals

### Approvals





UL Recognized / cUL Recognized / EAC / cULus Recognized

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### Ex Approvals

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### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm</a>	FILE E 195083
cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYVV/template/LISEXT/1FRAME/index.htm</a>	FILE E 195083
EAC			RU C- DE.A*30.B.01082
cULus Recognized			

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