## REL-MR-BL-24DC/21HC/MS - Single relay

#### 2908180

https://www.phoenixcontact.com/us/products/2908180

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Plug-in miniature relay, with power contact, 1 changeover contact, test button, mechanical switch position indicator, polarity: bipolar, input voltage: 24 V DC

### Commercial data

Item number	2908180
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C460
Product key	CK6195
Catalog page	Page 294 (C-5-2019)
GTIN	4055626277899
Weight per piece (including packing)	19.652 g
Weight per piece (excluding packing)	18 g
Customs tariff number	85364190
Country of origin	CN

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## Technical data

### **Product properties**

Product type	Single relay
Operating mode	100% operating factor
Mechanical service life	5x 10 <sup>6</sup> cycles
Insulation characteristics	

### **Electrical properties**

Service life electrical	see diagram
Maximum power dissipation for nominal condition	0.41 W
Test voltage (Winding/contact)	5 kV AC (50 Hz, 1 min., winding/contact)
Rated insulation voltage	250 V AC

### Input data

Coil side		
Nominal input voltage U <sub>N</sub>	24 V DC	
Input voltage range	19.2 V DC 52.8 V DC	
Input voltage range in reference to ${\rm U}_{\rm N}$	0.8 2.2 (see diagram)	
Drive and function	monostable	
Drive (polarity)	non-polarized	
Typical input current at U <sub>N</sub>	17 mA	
Typical response time	9 ms	
Typical release time	6 ms	

### 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	12 V (at 10 mA)
Limiting continuous current	16 A
Maximum inrush current	32 A (20 ms)
Min. switching current	10 mA (at 12 V)
Interrupting rating (ohmic load) max.	384 W (at 24 V DC)
	62 W (at 48 V DC)
	48 W (at 60 V DC)
	53 W (at 110 V DC)
	66 W (at 220 V DC)

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### Connection data

	Connection method	Plug / solder connection
Dir	nensions	
	Width	13 mm
	Height	29 mm
	Depth	25.5 mm

### Environmental and real-life conditions

Ambient conditions		
Degree of protection	RT II	
Ambient temperature (operation)	-40 °C 70 °C	
Ambient temperature (storage/transport)	-40 °C 85 °C	
Standards and regulations		
Standards/regulations	IEC 61810	
	IEC 60664	
Mounting		

Mounting position	any
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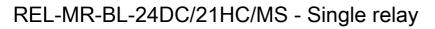
## Classifications

### ECLASS

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

### ETIM

	ETIM 9.0	EC001437
UN	NSPSC	
	UNSPSC 21.0	39122300



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### Environmental product compliance

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

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Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com