

REL-MR- 24DC/21-21/MS - Single relay



2987943

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Plug-in miniature relay, with power contact, 2 changeover contacts, test button, mechanical switching position indicator, status LED, freewheeling diode, polarity A1+, A2, input voltage 24 V DC

Your advantages

- With detectable manual operation
- DC types with integrated freewheeling diode
- Integrated status LED
- Mechanical switch position indicator

Commercial Data

Item number	2987943
Packing unit	10 pc
Minimum order quantity	10 pc
Sales Key	CK6
Product Key	CK6195
Catalog Page	Page 292 (C-5-2019)
GTIN	4046356480659
Weight per Piece (including packing)	19.576 g
Weight per Piece (excluding packing)	18.64 g
Customs tariff number	85364190
Country of origin	CN

Technical Data

Product properties

Product type	Single relay
Set comprises	2905291 RIF-1-RPT-LDP-24DC/2X21MS
	2905660 RIF-1-RSC-LDP-24DC/2X21MS
	2910502 PLC-RSC- 24DC/21-21/MS
	2910519 PLC-RPT- 24DC/21-21/MS
	2910503 PLC-RSC- 24UC/21-21/MS
	2910520 PLC-RPT- 24UC/21-21/MS
	2910504 PLC-RSC- 48DC/21-21/MS
	2910521 PLC-RPT- 48DC/21-21/MS
Mechanical service life	5x 10 ⁶ cycles

Electrical properties

Service life electrical	see diagram
Maximum power dissipation for nominal condition	0.43 W
Test voltage (Winding/contact)	5 kV AC (50 Hz, 1 min., winding/contact)
Test voltage (Contact/contact)	5 kV AC (50 Hz, 1 min., contact/contact)
Test voltage (Changeover contact/changeover contact)	5 kV AC (50 Hz, 1 min., changeover contact/changeover contact)

Input data

Coil side

Nominal input voltage U_N	24 V DC
Input voltage range	19.2 V DC ... 52.8 V DC
Input voltage range in reference to U_N	see diagram
Typical input current at U_N	18 mA
Typical response time	9 ms
Typical release time	6 ms

Output data

Switching

Contact type	2 changeover contacts
Type of switch contact	Single contact
Drive and function	monostable
Drive (polarity)	bipolar
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	12 V (at 10 mA)
Limiting continuous current	8 A
Maximum inrush current	16 A (20 ms)
Min. switching current	10 mA (at 12 V)

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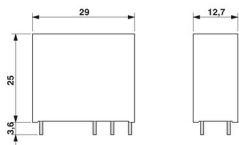
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Interrupting rating (ohmic load) max.	2000 VA (for 250 V AC)
Switching capacity	1 A (at 24 V, DC13)
	1.5 A (at 24 V, AC15)
	1.5 A (at 120 V, AC15)
	1.5 A (at 240 V, AC15)
Motor load according to UL 508	1/4 HP, 120 V AC (N/O contact)
	1/2 HP, 240 V AC (N/O contact)
	1/4 HP, 120 V AC (N/C contact)
	1/3 HP, 240 V AC (N/C contact)

Connection data

Connection method	Plug / solder connection
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Dimensions

Dimensional drawing	
Width	12.7 mm
Height	29 mm
Depth	25 mm

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °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	EN 61810-1
	VDE 0435-201
	EN 50178

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