

Single relay - REL-MR-BL-100AC/21-21/MS - 2908183


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Plug-in miniature relay, with power contact, 2 changeover contacts, test button, mechanical switch position indicator, polarity: bipolar, input voltage: 100 V AC



Key Commercial Data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	 4 055626 279428
GTIN	4055626279428
Weight per Piece (excluding packing)	17.500 g
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	100 V AC
Input voltage range in reference to U_N	0.8 ... 1.35 (see diagram)
Mains frequency	50/60 Hz
Typical input current at U_N	8 mA

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Coil side

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 PDT
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 relay winding/relay contact	5 kV AC (50 Hz, 1 min.)
Test voltage PDT/PDT	2.5 V AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	5x 10 ⁶ 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

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings