

Single relay - REL-IR2/100AC/2X21 - 2907052

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



Key Commercial Data

Packing unit	10 pc
GTIN	
GTIN	4055626175751
Weight per Piece (excluding packing)	34.820 g
Custom tariff number	85364900
Country of origin	Poland

Technical data

Dimensions

Width	21.2 mm
Height	27.5 mm
Depth	35.6 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection	RT I

Coil side

Nominal input voltage U_N	100 V AC
Input voltage range in reference to U_N	see diagram
Mains frequency	50/60 Hz
Typical input current at U_N	14.8 mA
Typical response time	5 ms ... 15 ms (depending on phase relation)

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Coil side

Typical release time range	5 ms ... 20 ms (depending on phase relation)
Power dissipation for nominal condition	1.48 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	5 V (At 24 mA)
Min. switching current	5 mA (at 24 V)
Maximum inrush current	30 A (20 ms, N/O contact)
	24 A (4 s, N/O contacts)
Limiting continuous current	12 A
Interrupting rating (ohmic load) max.	288 W (at 24 V DC)
	124 W (at 48 V DC)
	108 W (at 60 V DC)
	52 W (at 110 V DC)
	48 W (at 220 V DC)
	3000 VA (for 250 V AC)
Switching capacity min.	0.12 W
Switching capacity	2 A (at 24 V, DC13)
	1.5 A (at 230 V, AC15)

General

Test voltage relay winding/relay contact	2.5 kV _{rms} (50 Hz, 1 min.)
Test voltage PDT/PDT	2.5 kV _{rms} (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	approx. 2x 10 ⁷ cycles
Mounting position	any

Connection data

Connection method	Plug connection
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Standards and Regulations

Standards/regulations	IEC 60664
	IEC 61810
Rated insulation voltage	250 V AC
Rated surge voltage	2.5 kV
Insulation	Basic insulation
Pollution degree	3 (Rated voltage of 230 V)
	2 (Rated voltage of 400 V)
Overvoltage category	II