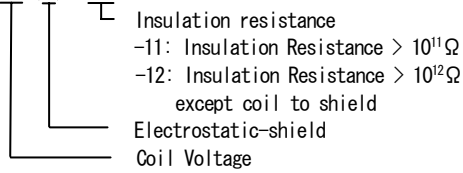


High Insulation PC Board Type (2a Mercury Relay)

■ Part number · Feature

● MRRP-20** (S) -**



- Printed circuit board mount type with high insulation

■ Performance

Specifications	Item	Standard
Contact Specifications	Contact Form	1a (make mercury)
	Contact Rating	50W
	Max. Switching Voltage	DC. 500V
	Max. Switching Current	1 A
	Max. Carry Current	2 A
	Contact Resistance	50 mΩ MAX (Initial)
Electrical Specifications	Breakdown Voltage	Open Contacts DC. 1000V (1 min) Contact to Coil DC. 1000V (1 min) Contact to Shield DC. 1000V (1 min) Coil to Shield DC. 1000V (1 min)
	Insulation Resistance	Between all isolated pins 1×10 ¹⁰ Ω MIN (DC. 100V)
	Capacitance	Open Contacts 1.5pF TYP. S-type: Open Contacts 0.5pF MAX. (Shield guarding)
	Thermal Electromotive Force	60 μV TYP.
	Operate Time	(1 Pulse) 2.5 mS MAX. (at Nominal Voltage)
Mechanical Specifications	Release Time	(1 Pulse) 2.5 mS MAX. (at Nominal Voltage)
	Vibration	20G (0 to 55Hz 1.5mm)
Environment	Shock	30G (11mS 1/2 Sin Wave)
	Operating Temperature	-10°C to +60°C
Life Expectancy	Mechanical	1X10 ⁹ MIN. Operations
	Electrical	DC. 10mV-10 μA 1X10 ⁹ MIN. Operations (R.L.)

■ Coil Specifications

Contact Form	Part Number	Nominal Voltage DC. ±10% (V)	Coil Resistance ±10% (Ω) at 20°C	Nominal Current (mA)	Must Operate Voltage MAX. (V) at 20°C
1a	MRRP-2024 (S)	24	1200	20.0	18.0
	MRRP-2012 (S)	12	300	40.0	9.0
	MRRP-2005 (S)	5	65	76.9	3.8

■ Dimensions / Terminal Identification (Unit:mm)

Dimensions	Terminal Identification
<p style="text-align: center;">weight about 5.6gr.</p>	<p style="text-align: center;">TOP VIEW</p> <p style="text-align: center;">MRRP-2000</p> <p style="text-align: center;">MRRP-2000S</p> <p style="text-align: center;">UP</p> <p>Note: Mount a relay to be UP indication arrow within ±30°C from a plumb line.</p>