

RoHS
Compliant



Features

- With non-polarity LED integrated in relay
- IP62 Protection level
- Oil, Dust and Humidity proof

Characteristics

Contact	Configuration		4C
	Load	Resistance	5A/250V AC, 30V DC
		Motor load	1/6HP, 240V AC
	Max. Switching Capacity (Resistive)		1250VA, 150W
	Min. Switching Capacity		170mW (17V/10mA)
	Initial Contact Resistance		≤50mΩ
	Material		Ag Alloy
	Electrical Durability (110% Rated Voltage, 55°C)		≥20 × 10 ⁴ Cycles (1800ops/h)
	Electrical Durability (Normal Temperature)		≥40 × 10 ⁴ Cycles (360ops/h)
	Mechanical Durability		≥2000 × 10 ⁴ Cycles (18000ops/h)
Pick-up Voltage (23°C) (Rated Voltage)			DC :≤75%, AC :≤80% 50/60Hz
Drop-out Voltage (23°C) (Rated Voltage)			DC :≥10% AC :≥30% 50/60Hz
Maximum Voltage (23°C) (Rated Voltage)			110%
Insulation Resistance			≥ 500MΩ (500V DC)
Coil Operating Power	DC (W)		approx. 0.9
	AC (VA)		approx. 1.2 (60Hz)
Operate Time & Release Time (at Nominal Voltage)			≤20ms
Initial Breakdown Voltage	Between Open Contacts		1000V AC 1min (leakage current 1mA)
	Between Poles		2000V AC/1min (leakage current 1mA)
	Between Contacts and Coil		2000V AC/1min (leakage current 1mA)
Insulation Characteristics IEC 60664 UL840	Rated Voltage		250V AC
	Pollution Level		2
	Overvoltage Level		III
Impulse Withstand Voltage (Waveform: 1.2/50μs)			4000V (Altitude 2000m)
Protection Level			IP62
Storage Temperature / Humidity			-20°C to +85°C /≤85%RH (18 months)
Working Temperature / Humidity			-55°C to +70°C/5%~85%RH (No condensation)

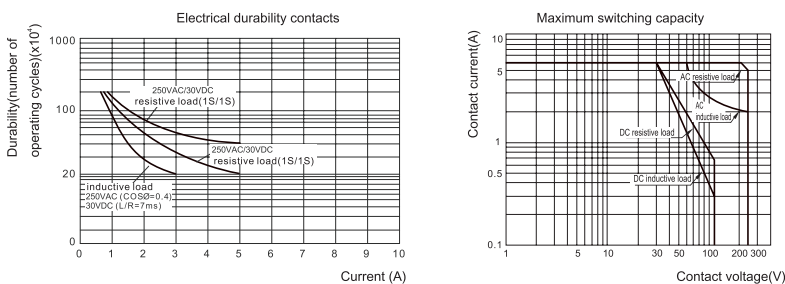
Air Pressure	86~106KPa
Shock Resistance	10G (half-sine shock pulse: 11ms)
Vibration Resistance	10~55Hz double-amplitude: 1mm
Mounting	plug in
Unit Weight	approx. 35g

Coil Specifications (23°C)

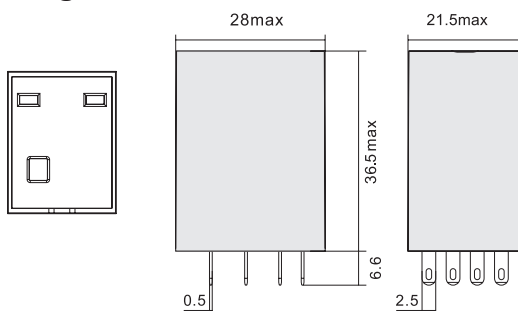
Nominal voltage V DC	6	12	24	48	110	220	-
Coil resistance Ω	40	180	640	2600	13000	42000	-
Nominal voltage V AC	6	24	36	48	115	230	380
Coil resistance Ω	11.5	180	370	640	4430	16500	42000

Coil resistance: under coil voltage 110V are measured with tolerance of ±10% Ω, above 110V with tolerance of ±15% Ω.

Contact Specifications



Diagram



Part Number Table

Description	Part Number
Power Relay, 4PDT, 12V DC, 5A, Socket, Non Latching	MP005255

Dimensions : Millimetres

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