

**RoHS
Compliant**



Features

- Miniature relay with high switching contact capacity, 20A/250V AC and 25A/250V AC
- Dimensions: 30.5mm × 16mm × 20.1mm
- Dielectric strength of 5000V between coil and contacts
- Ideal for switching compressor and inverter loads
- Available in both PCB and quick connect terminals
- Applications: Air conditioners, refrigerators, OA equipment, etc

Specification

Contact Data		
Contact Form		1 Form A
Contact Material		Ag Alloy
Contact Rating		MPF6:25A 250V AC(Resistive) MPF6-P:20A 250V AC(Resistive) 20FLA/80LRA 120V AC
Contact Resistance		Max. 100mΩ (24V DC 1A)
Load	Max. Switching Voltage	250V AC
	Max. Switching Current	25A
	Max. Switching Power	6, 250VA
	Min. Switching Load	5VDC, 100mA
Life	Electrical	100,000 operations
	Mechanical	10,000,000 operations
Coil Data		
Nominal Coil Power		900mW
General Data		
Insulation Resistance		Min. 1000MΩ 500V DC
Dielectric Strength	Between open contacts	5000V AC, 1min
	Between coil and contacts	5000V AC, 1min
Operate Time		Max. 10ms
Release Time		Max. 10ms
Operating Temperature		-40°C to +85°C
Humidity		35 to 95%RH, +40°C
Shock Resistanc	Endurance	1,000m/s ²
	Misoperation	100m/s ²
Vibration Resistance	Endurance	10 to 55Hz, 1.5mm double amplitude
	Misoperation	10 to 55Hz, 1.5mm double amplitude
Weight		Approximately 18g

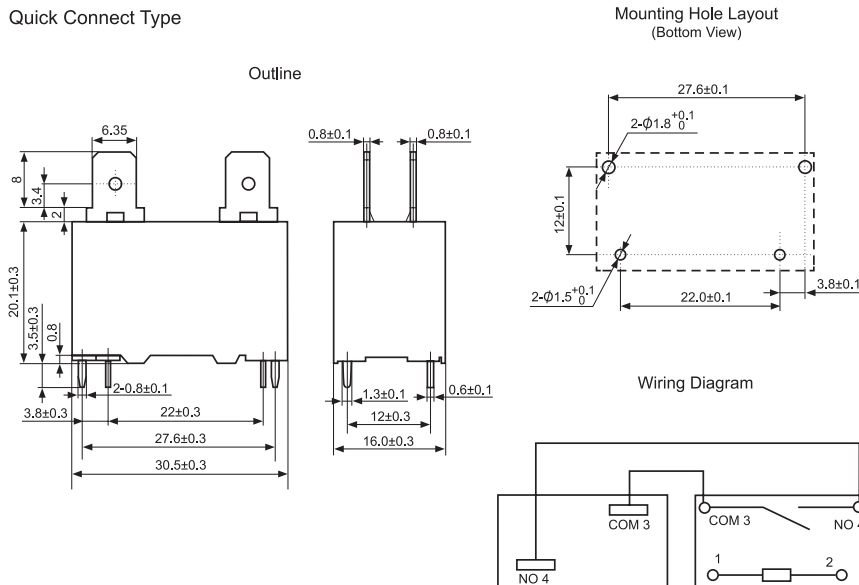
Note:Data shown are of initial value

Coil Data

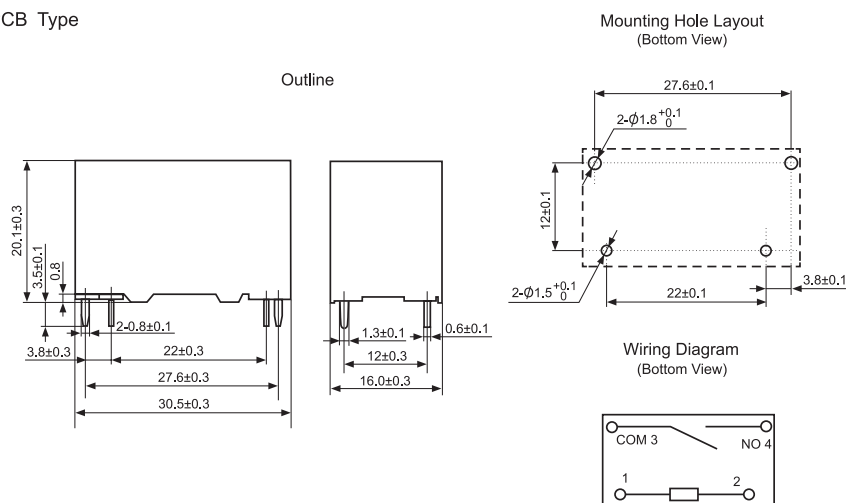
Model	Nominal Voltage V DC	Coil Resistance Ω +/-10%	Operate Voltage \leq V DC	Release Voltage \geq VDC	Coil Power mW
MPF6-S-DC5V	5	27.8	3.5	0.5	900
MPF6-S-DC5V-P					

Outline, Wiring Diagram, Mounting Hole Layout

Quick Connect Type

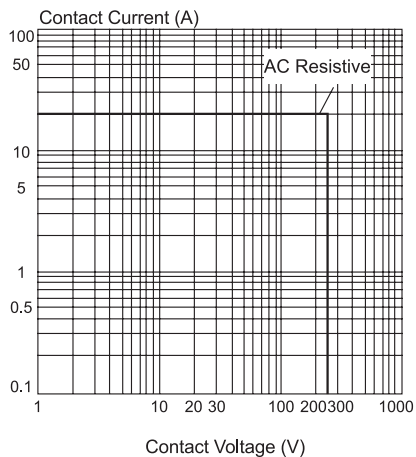


PCB Type

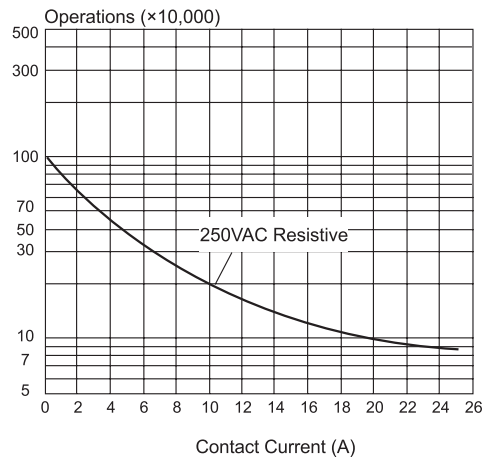


Reference Data

Maximum Switching Power



Life Curve



Part Number Table

Description	Part Number
Power Relay, Quick Type, NO, 0.9W, 25 Amp, 5V DC	MPF6-S-DC5V
Power Relay, PCB Type, NO, 0.9W, 25 Amp, 5V DC	MPF6-S-DC5V-P

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