

Main Feature

1. Small size with slim width.
2. SPST And SPDT Contact forms are available.
3. Contact Capacity is 10A
4. Surge Resistance can be up to 8000V

Application

AIR-Conditioner, Fan Control, Home Appliances, Timer, and Thermal Control Application.

Contact Rating

- Nominal Load (Resistive Load $\cos \varphi = 1$)

Contact Capacity	1c:	10A at 125VAC.
		5A at 250VAC.
		5A at 30VDC.
	1a:	NO:10A at 125VAC.
		5A at 250VAC.
		5A at 30VDC.
	NC:	5A at 125VAC.
		3A at 250VAC.
- Rated Carrying Current5A.
- Max. Allowable Current10A.
- Max. Allowable VoltageAC 250V, DC 30V.
- Max. Allowable Power Force.1,250 VA, 300W.
- Min. Switching LoadDC 5V, 10mA.
- Contact MaterialAg Alloy.
- Contact Form.....SPST. SPDT.

Performance (at Initial Value)

- Contact Resistance100m Ω Max.@1A,6VDC
- Operate Time6 mSec. Max.
- Release Time2 mSec. Max.
- Dielectric Strength :

Between Coil & Contact	4,000VAC at 50/60 Hz
	for one minute.
Between Contacts	1,000VAC at 50/60 Hz
	for one minute.
- Surge Resistance8,000V (between coil & contact 1.2x50 μ Sec.)
- Insulation Resistance1,000 Mega Ω Min.at 500VDC.

- Max. On/Off Switching :

Electrical.....	30 Ops per Minute.
Mechanical.....	300 Ops per Minute.
- Temperature Range-40~70°C.
- Humidity Range.....45~85% RH.
- Coil Temperature Rise.....45°C Max.
- Vibration :

Endurance	10 to 55 Hz dual
	amplitude width 1.5mm.
Error Operation	10 to 55 Hz dual
	amplitude width 1.5mm.
- Shock :

Endurance	1,000 m/S ² Min.
Error Operation	100 m/S ² Min.
- Life Expectancy :

Mechanical	10 ⁷ Operations at No
	Load condition.
Electrical	10 ⁵ Operations at
	Rated Resistive Load.
- Weight.....About 7g

Safety Standard & Its File Number:

- C-UL.....E141060
- TÜVR3-50008011

Coil Specification (at 20°C)

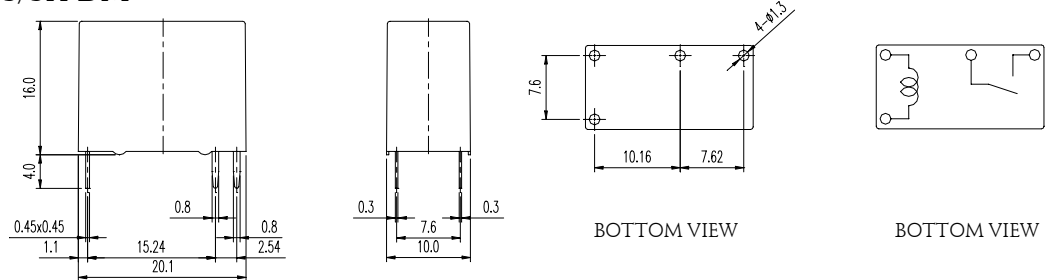
Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\Omega \pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
JQ-D/DM	3	150	20	Abt. 0.45	75% Maximum	5% Minimum	120%
	5	91	55				
	6	75	80				
	9	50	180				
	12	37.5	320				
	24	18.8	1,280				
JQ-LM	3	67	45	Abt. 0.20			
	5	40	125				
	6	33.3	180				
	9	22.5	400				
	12	16.7	720				
	24	8.3	2,800				

Ordering Information:

JQ	-	SS	-	1	12	D	M
Type of Sealing	Number of Pole	Coil Voltage	Coil Type	Contact Form			
SS - Flow Solder Type	1 – One Pole	3V, 5V, 6V, 9V, 12V, 24V	D - Standard DC Coil	Nil- One Form C (For D type only)			
SH - Plastic Sealed Type			L - High Sensitivity DC Coil	M- One Form A (For D,L type only)			

Dimension:

JQ-SS/SH-DM



JQ-SS/SH-D

