

MAIN FEATURE

1. Small size with slim width.
2. SPST and SPDT Contact forms available.
3. Contact Capacity is 10A.
4. Surge Strength up to 8,000V.
5. UL Class F insulation available.
6. Halogen Free series available.
7. Comply with RoHS and REACH regulations.

CONTACT RATING

Load Type	JQ (DM/TM/LM)	JQ (D/T)
Rated Load (Resistive)	10A 125VAC	NO: 10A 125VAC
	5A 250VAC	5A 250VAC
	5A 30VDC	5A 30VDC
	-	NC: 5A 125VAC
	-	3A 250VAC
Rated Carrying Current	10A	10A
Max. Allowable Voltage	AC 250V	AC 250V
	DC 30V	DC 30V
Max. Allowable Current	10A	10A
Max. Allowable Power Force	1,250VA	1,250VA
	150W	150W
Contact Material	Ag Alloy	Ag Alloy
Contact Form	SPST	SPDT

APPLICATION

Air Conditioner, Fan Control, Home Appliances, Timer and Thermal Control Application.

PERFORMANCE (AT INITIAL VALUE)

- Contact Resistance 100mΩMax.@1A,6VDC
- Operate Time 6 mSec. Max.
- Release Time 2 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 Strength 8,000V (between coil & contact 1.2x50μSec.)
- Insulation Resistance 100 MegaΩ Min.at 500VDC
- Max. On/Off Switching:
 - Electrical 6 Cycles per Minute
 - Mechanical 300 Cycles per Minute
- Temperature Range -30~+70°C
- Humidity Range 45~85% RH.
- Coil Temperature Rise 45°C Max.

- Vibration:
 - Destruction 10 to 55 to 10 Hz,0.75 mm single amplitude (1.5mm double amplitude)
 - Malfunction 10 to 55 to 10 Hz,0.75 mm single amplitude (1.5mm double amplitude)
- Shock:
 - Destruction 1,000 m/S²
 - Malfunction 100 m/S²
- Life Expectancy:
 - Mechanical 10⁷ Operations at No Load condition
 - Electrical 10⁵ Operations at Rated Resistive Load
- Weight About 5.6g

SAFETY STANDARD & FILE NUMBER

- UL & C-UL E141060
- TÜV R50008011
- VDE 40010922

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-T/TM	3	133.3	22.5	Abt. 0.4			
	5	80	62.5				
	6	66.7	90				
	9	44.4	202				
	12	33.3	360				
24	16.7	1,440					
JQ-LM	3	67	45	Abt. 0.2			
	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 F

Insulation System:

Nil: Standard Class

F: Class F

Contact Form:

Nil: One Form C (for D, T Type Only)

M: One Form A

Coil Sensitivity:

D: Standard DC

T: Medium DC

L: High DC

Coil Voltage: 03: 3V, 05: 5V, 06: 6V, 09: 9V, 12: 12V, 24: 24V

Number of Pole:

1: One Pole

Type of Sealing:

SS: RT II Flux Proofed

SH: RT III Wash Tight

Type:

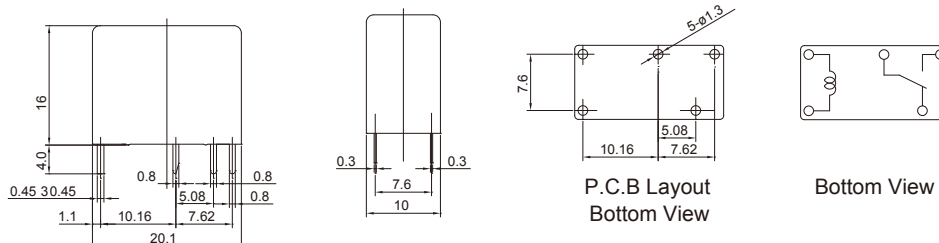
JQ

CLASSIFICATION

Model	JQ				
	1C		1A		
Contact Form	1C		1A		
Coil Type	Standard DC Coil	Medium DC Coil	Standard DC Coil	Medium DC Coil	High DC Coil
Flux Proofed	JQ -SS-1□□D	JQ -SS-1□□T	JQ -SS-1□□DM	JQ -SS-1□□TM	JQ -SS-1□□LM
Wash Tight	JQ -SH-1□□D	JQ -SH-1□□T	JQ -SH-1□□DM	JQ -SH-1□□TM	JQ -SH-1□□LM

DIMENSION ($\leq 5\text{mm} \pm 0.2\text{mm}$, $> 5\text{mm} \pm 0.3\text{mm}$, the tolerance of PCB thru hole: $+0.1\text{mm}$)

JQ-SS/SH-D/T



JQ-SS/SH-DM/TM/LM

