POWER RELAY | HJQ-15F-2T

- QC&PC terminals PCB
- High power&low cost
- 40A switching capability 40A
- Less than 1W coil power
- Class B/F available
- Conform to RoHS,ELV directive

CQC 21002320595

c UL us E173485

R50524929

■CONTACT DATA

Contact Arrangement	1H/1D/1Z
Contact Material	Silver Alloy
Load	Resistive load (COSΦ=1)
Contact Ratings	NC:30A277VAC, NO:40A277VAC
Min. Contact Load	500mA 5VDC
Max. Switching Voltage	250VAC/30VDC
Max. Switching Current	40A
Max. Switching Power	7200VA/560W
Contact Resistance	≤100mΩ (6VDC 1A)
Electrical Endurance	NO：5×10^4 OPS(at 6 OPS/min)
Mechanical Endurance	1×10^7 OPS(at 300 OPS/min)

■CHARACTERISTICS

Insulation Resistance		1000MΩ Min. at 500VDC
Dielectric Strength	Between Open Contacts	1500VAC (50/60Hz 1 min)
	Between Contacts and Coil	1500VAC/T：2500VAC (50/60Hz 1 min)
Operate Time		≤15ms
Release Time		≤10ms
Ambient Temperature		-40℃ ～+85℃
Shock Resistance		Functional ：10G
		Destructive ：100G
Vibration Resistance		10~55Hz, 1.5mm DA
Humidity		5~85%
Unit Weight		Approx. 36g

■COIL DATA (at 23℃)

Rated Voltage (VDC)	5	6	9	12	18	24	48	110	0.9W
Coil Resistance(Ω ±10%)	27.8	40	90	160	360	640	2560	13444	
Rated Current(mA)	180	150	100	75	50	37.5	18.75	8.2	
Max Operate Voltage (VDC)	3.75	4.5	6.75	9	13.5	18	36	82.5	
Min Release Voltage (VDC)	0.5	0.6	0.9	1.2	1.8	2.4	4.8	11	
Max. Voltage	6.5	7.8	11.7	15.6	23.4	31.2	62.4	143	

Remark: Max. Voltage refers to the maximum voltage which relay coil could endure in a period of time.

■SAFETY APPROVED RATINGS

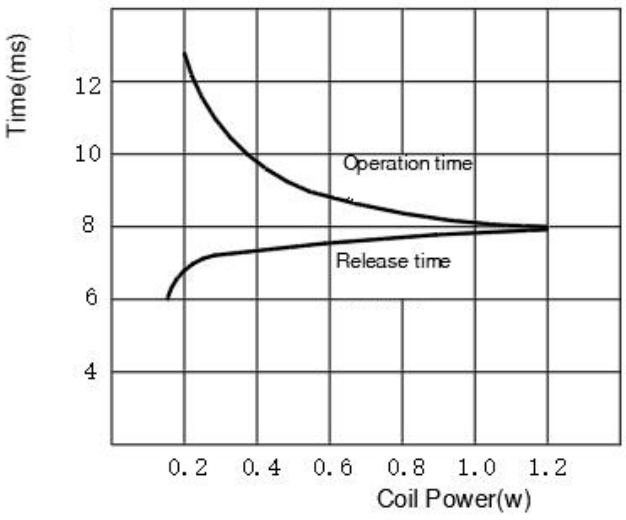
Type	Coil Voltage	Safety Approval	Contact Ratings
HJQ-15F-2T	5~ 48VDC	CQC	NO: 40A 277VAC NC: 30A 277VAC
		UL/cUL	NO: 40A 277VAC NC: 30A 277VAC
		TUV	NO: 40A 277VAC NC: 30A 277VAC

■ORDERING INFORMATION

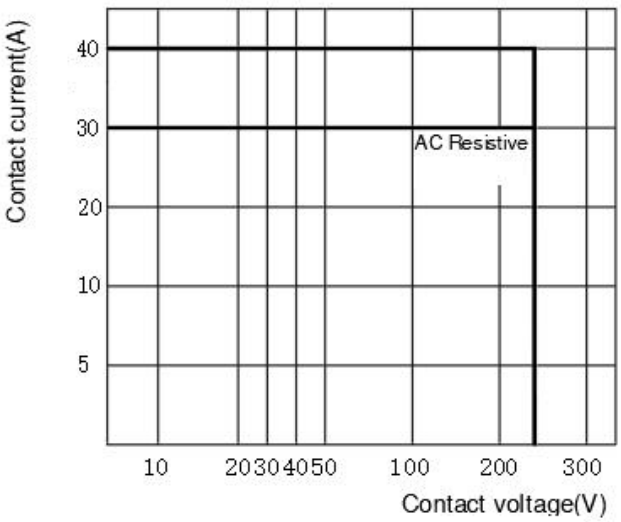
	HJQ-15F-2T	-S	-H	/T	/12VDC	/XX
Type						
Construction	S:Plastic sealed or flux proofed					
Contact Arrangement	**H**: 1 Form A，**Z**: 1 Form C，**D**: 1 Form B					
Version	**Nil**:Standard Type 1500VAC，T:2500VAC TBF-1：CLASS F(155℃)					
Coil Voltage	05, 06, 09, 12, 18, 24,48,110VDC					
Special Code	**XX**：Customer Special Requirement，**IT**: Compliant with IEC 60335-1 (GWT)，T:Standard copper terminal，D: subtend iron terminal，DT: subtend coppe terminal					

■CHARACTERISTIC CURVES

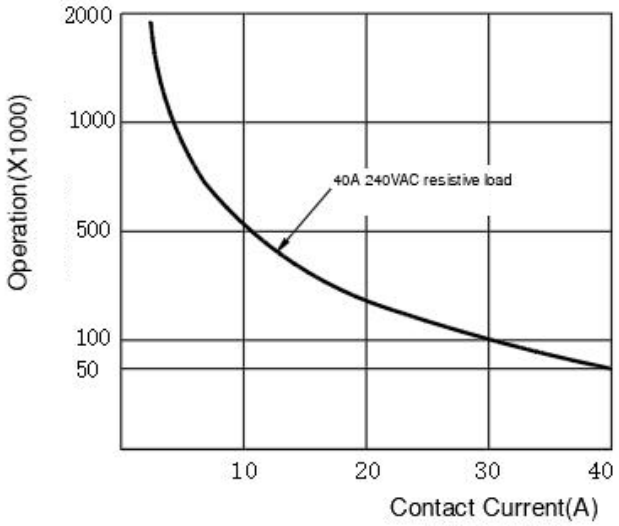
Timing



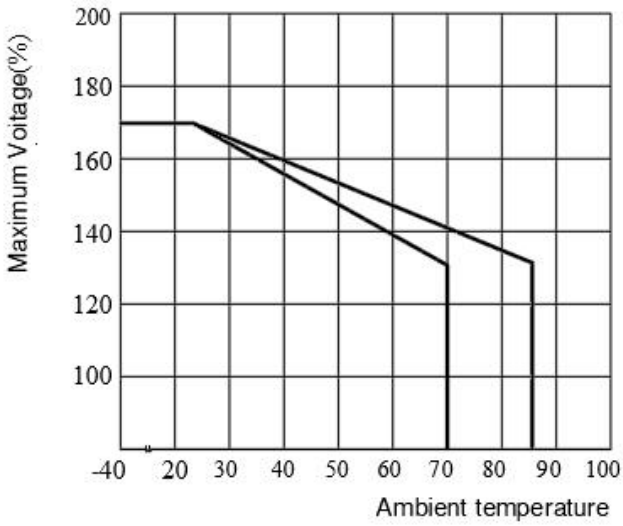
Contact switching capacity



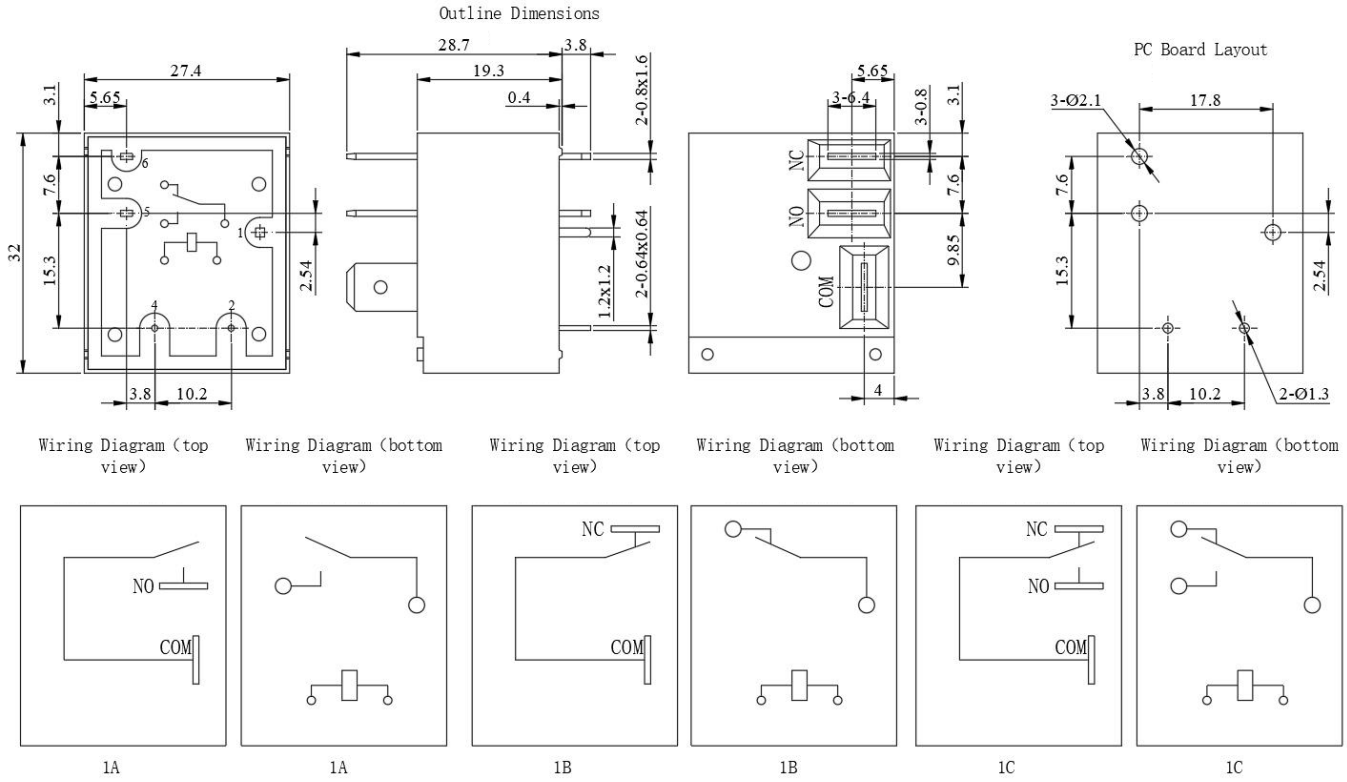
Life expectancy



Amblent Temperature vs.Maximum Voitage



■OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT



Remark:

1) In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.
2) The additional tin top is max. 1mm.
3) The tolerance without indicating for PCB layout is always ±0.1mm.

Disclaimer:

The specification is for reference only. Specification subject to change without notice.