

# Low Cost 25 Amp Relay



## HJQ-15F Series Relay

### Features:

- High Power and Low cost
- Available in Class B and F insulation system
- Available in open and sealed styles
- Conform to RoHS Directive

### Contact Parameters:

Initial Contact Resistance:	<100 mΩ max. @ 6Vdc, 1A
Resistive Contact Rating:	SPST-NO: 25A @ 240Vac, 20A @ 28Vdc SPDT-NC: 15A @ 240Vac, 10A @ 28Vdc SPDT-NO/NC: 20A/10A @ 240Vac/28Vdc
Contact Arrangement:	1 Form A (SPST-NO), 1 Form C (SPDT) 1 Form B (SPST-NC)

### Dielectric Withstanding Voltage:

Between Contacts:	1,500 Vrms
Coil and Contacts:	1,500 Vrms

### Insulation Characteristic:

Insulation Resistance:	>100 MΩ
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### Environmental Characteristics:

Temperature Range:	-40°C to 70°C (Class F: 85°C)
Relative Humidity:	40-85% @ 20°C
Shock Resistance:	10g
Vibration Resistance:	10 ~55Hz @ 1.5mm (Double Amplitude)

### Life Expectancy:

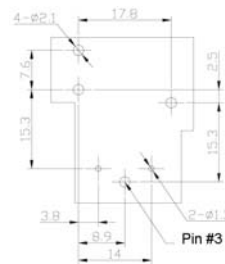
Electrical:	10 <sup>5</sup> @ rated load
Mechanical:	10 <sup>7</sup> operations

### Coil Data @ 20 °C (Coil Power: 0.93 W)

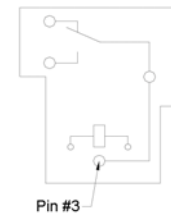
Rated Voltage (Vdc)	Coil Res. (Ω ±10 %)	Pick-up (Vdc)	Drop-out (Vdc)
5	27	3.75	0.5
6	39	4.5	0.6
9	87	6.75	0.9
12	155	9.0	1.2
18	350	13.5	1.8
24	620	18.0	2.4
48	2,480	36.0	4.8

### Mechanical Data:

Dimension:	1.26 x 1.08 x 0.76 Inches Approx.
Termination:	PCB Terminals
Weight:	36 grams Approx.



Terminal Layout  
(Bottom View)



Wiring Diagram  
(Bottom View)

### Ordering Information:

	<b>CIMI-</b>	<b>HJQ-15F</b>	<b>-S</b>	<b>-Z</b>	<b>NBF-1</b>	<b>N</b>	<b>-12VDC</b>
1. Basic Type:	<b>HJQ-15F</b>						
2. Cover Type:	S: Epoxy Sealed K: Open						
3. Contact Arrangement:	H: 1 Form A (SPST-NO) D: 1 Form B (SPST-NC) Z: 1 Form C						
4. Insulation System:	NBF-1: Class F Blank: Standard						
5. Pin #3:	Blank: With Pin #3. N: Pin #3 Omitted						
6. Coil Voltage:	VDC: 5, 6, 9, 12, 18, 24 and 48Vdc						