



# HJQ-15F

- High power & low cost
- 30A switching capability
- Less than 1W coil power
- Open sealed type available
- Class B/F available
- Conform to RoHS, ELV directive

32×27.4×19.3



 03001003709

 E173485

R50031316



## ■ ORDERING CODE

HJQ-15F — <u>S</u> — <u>Z</u> (TBF-1) <u>N</u> / 12VDC					
1	2	3	4	5	6
1. Relay Model				4. Insulated Level	
2. S: Sealed K: Open Type				TBF-1: Class F Nil: Standard	
3. Contact FORM on transformation H: Form A Z: Form C D: Form B				5. N: No 3-pin voltage between coil and contacts 1500VAC Nil: No 3-pin voltage between coil and contacts 1500VAC WT: No 3-pin voltage between coil and contacts 2500VAC NT: No 3-pin voltage between coil and contacts 2500VAC	
				6. Coil Nominal Voltage 5, 6, 9, 12, 18, 24, 48, 110VDC	

## ■ COIL DATA (at 20℃)

Nominal Voltage (VDC)	5	6	9	12	18	24	48	110	0.93W
Coil Resistance ( $\Omega \pm 10\%$ )	27	39	87	155	350	620	2480	13010	
Rated Current (mA)	186	155	103	77.5	52	39	19	9	
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 Applicable Voltage	70℃ (at rated voltage) 130%, 23℃ (at rated voltage) 170%								

## ■ CONTACT DATA

Contact Form	1H/1D/1Z
Contact Material	Silver Alloy
Load	Resistive load(COS $\Phi$ =1)
Contact Ratings	1H: 25A(30A) 240VAC/20A 28VDC 1D: 15A 240VAC/10A 28VDC 1Z: 20A/10A 240VAC/28VDC
Minimum load	500mA 5VDC
Max Switching Voltage	250VAC/30VDC
Max Switching Current	30A
Max Switching Power	7200VA/560W
Contact Resistance	100m $\Omega$ Max at 6VDC 1A
Life Expectancy	Electrical life: 100, 000 Operations(at30Operations/minute)
	Mechanical life: 10, 000, 000 Operations(at300Operations/minute)

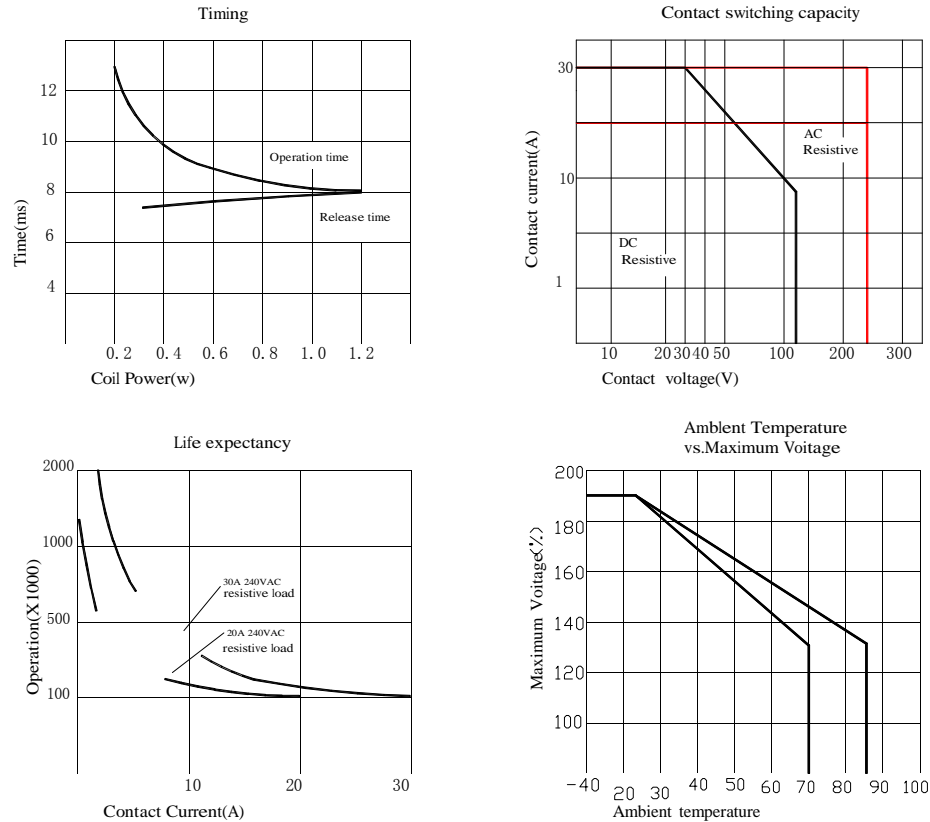
■ CHARACTERISTICS DATA

Insulation Resistance	100MΩ Min at 500VDC
Dielectric Strength Between Open Contacts	1500VAC(for one minute)
Between Contacts and coil	1500VAC/2500VAC(for one minute)
Operate Time	15ms
Release Time	10ms
Temperature Range	-40℃to+70℃ (Class F:85℃)
Shock Resistance	Operating Extremes: 10G
	Damage Limits: 100G
Vibration Resistance	10-55Hz, 1.5mm
Max. switching frequency	Mechanical:18,000operations/hr
	Electrical:1,800operations/hr
Humidity	40-85%
Weight	Approx 36g
Safety Standard	UL cUL CQC TÜV

■ APPROVED STANDARDS

Model	Coiling rating	Safety Standard	Contact rating
HJQ-15F	3 to 110VDC	TÜV	H: 25A 240VAC 25A 28VDC
			D: 15A 240VAC 10A 28VDC
			Z(NO): 20A 240VAC 20A 28VDC Z(NC): 10A 240VAC 10A 28VDC
	5 to 48VDC	UL/cUL	NO: 25A 240VAC 25A 28VDC
			NC: 15A 240VAC 15A 28VDC
		CQC	NC: 20A 240VAC NO: 30A 240VAC

■ ENGINEERING DATA



■ OVERALL AND MOUNTING DIMENSIONS

