


# FL-15F-2

# General Purpose Relay

 **us** E173485  
32×27.4×19.3



- QC&PC terminals
- High dielectric strength 3,000VAC
- Optional flanged case for panel mounting
- Class B/F available
- Conform to RoHS,ELV directive

## CONTACT DATA

Contact Form	1H/1D/1Z
Contact Material	Silver Alloy
Load	Resistive load(COS Φ=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 Ω Max at 6VDC 1A
Electrical	100, 000 Operations(at30Operations/minute)
Mechanical	10, 000, 000 Operations(at300Operations/minute)

## CHARACTERISTICS DATA

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

## COIL DATA

at 20℃

Coil Power 0.93W

Nominal Voltage (VDC)	Rated Current (mA)	Max Operate Voltage (VDC)	Min Release Voltage (VDC)	Coil Resistance (Ω ±10%)
5	186	3.75	0.5	27
6	155	4.5	0.6	39
9	103	6.75	0.9	87
12	77.5	9	1.2	155
24	39	18	2.4	620
48	19	36	4.8	2480
110	9	82.5	11	13010

## APPROVED STANDARDS

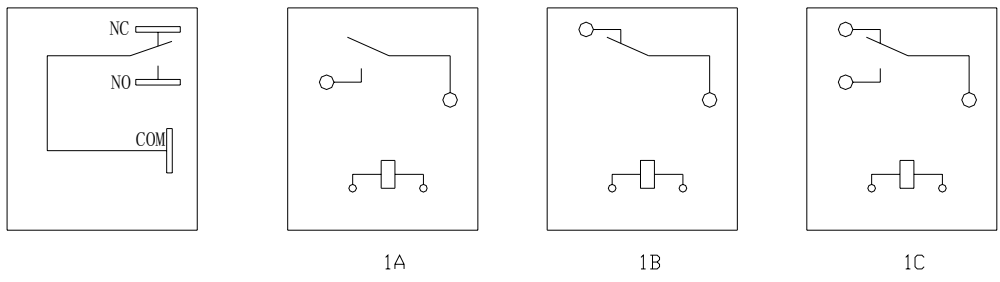
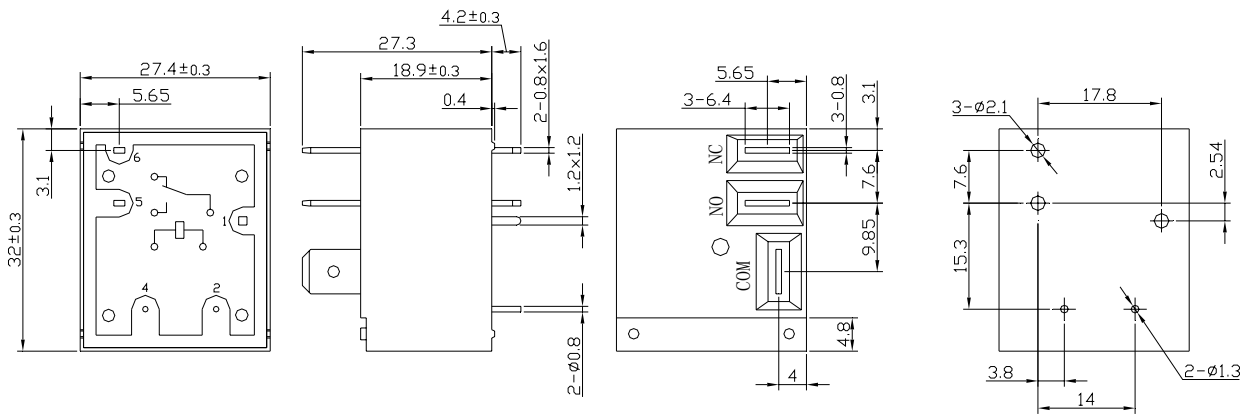
UL & cUL	NO: 25A 240VAC 25A 28VDC NC: 15A 240VAC 15A 28VDC
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## OPDERING CODE

FL-15F-2—S—Z (TBF-1) T / 12VDC					
1	2	3	4	5	6
1. Relay Model 2. Sealed K: Open Type 3. Contact Form H: Form A, Z: Form C, D: Form B 4. Insulated Level TBF-1: Class F Nil: Standard 5. T: Between Contacts and Coil 2500VAC Nil: Between Contacts and Coil 1500VAC 6. Coil Nominal Voltage 5,6,9,12,24,48,110VDC					

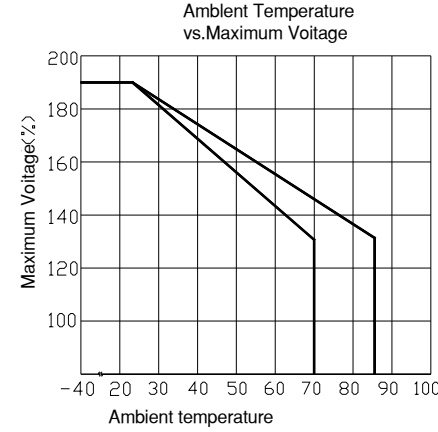
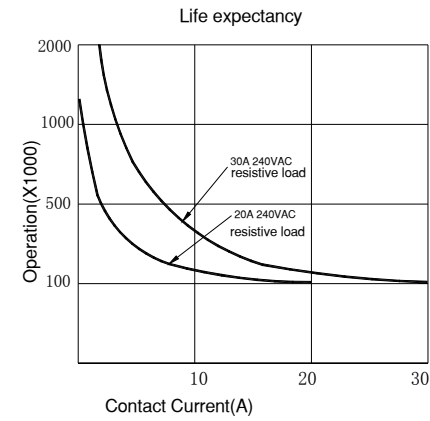
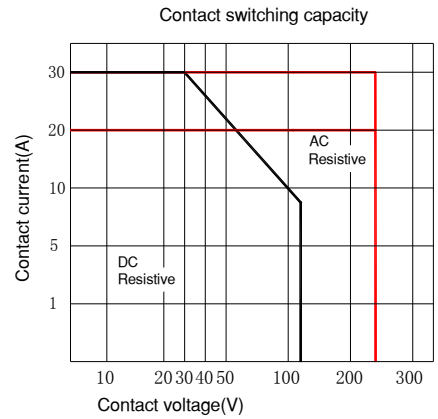
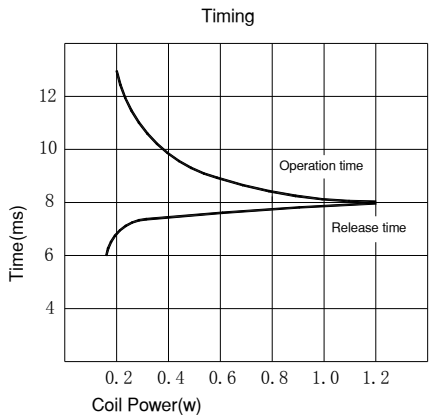


**OUTLINE DIMENSIONS, WIRING DIAGRAM AND LAYOUT**



Layout (Bottom View)

**ENGINEERING DATA**



**FLOURISHING RELAY**

The specifications are for the customer's reference and are subject to change without notice.