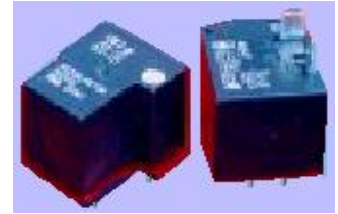




JQX-15F(787)

MINIATURE HEAVY DUTY DC ELECTROMAGNETIC RELAY



FEATURES:

1. UL, CUL(E151736), TUV, CQC safety approval.
2. 1 Form A, 1 Form B, 1 Form C.
3. Rated Load: 30A240VAC/28VDC, 20A240VAC/28VDC.
4. Temperature Range: -55~+85 °C.

ORDERING INFORMATION:

JQX-15F / 012 -- 1H 1

1 2 3 4

1. Model;
2. Part No.(Rated Voltage);
3. Contact Form: 1H=1A; 1D=1B; 1Z=1C;
4. Terminal: 1:PCB; 6:Plug-in.

SPECIFICATIONS:

| Part No. | Rated Voltage (V) | Coil Resistance ±10% (Ω) | Pick-up Voltage (V) | Drop-out Voltage (V) | Normal Current (mA) (±10%) |
|----------|-------------------|--------------------------|---------------------|----------------------|----------------------------|
| 005 | 5 | 27 | 3.75 | 0.5 | 185 |
| 006 | 6 | 40 | 4.5 | 0.6 | 150 |
| 009 | 9 | 97 | 6.75 | 0.9 | 92.8 |
| 012 | 12 | 155 | 9.00 | 1.2 | 77.4 |
| 015 | 15 | 256 | 11.25 | 1.5 | 58.6 |
| 018 | 18 | 380 | 13.50 | 1.8 | 47.3 |
| 024 | 24 | 660 | 18 | 2.4 | 36.7 |
| 048 | 48 | 2560 | 36 | 4.8 | 18.75 |
| 110 | 110 | 13450 | 82.50 | 11.0 | 10.6 |

CONTACT RATINGS:

| Contact Arrangement | 1 Form A (SPST-NO) | 1 Form C (SPDT) |
|----------------------------|---------------------|--------------------|
| Max. Switching Power | 7200VA/ 840W | 4800VA/560W |
| Max. Switching Voltage | 240VAC/28VDC | 240VAC/28VDC |
| Max. Switching Current | 30A | 20A |
| Contact Resistance | 50m Ω | 50mΩ |
| Initial Contact Resistance | 100m Ω | 100m Ω |
| Rating Load | 30A/240VAC 28VDC | 20A240VAC 28VDC |
| Contact Material | Ag-CdO | |

ENVIRONMENTAL CONDITIONS:

| | |
|----------------------|---------------------------------|
| Temperature Range | -55~+85 °C |
| Relative Humidity | Up to 45~85% at +20 °C |
| Atmospheric Pressure | 86~106kPa |
| Vibration | 10~55Hz Dual Amplitude 1.5mm |
| Shock | 980m/s ² |
| Operating Position | Optional |
| | |
| | |

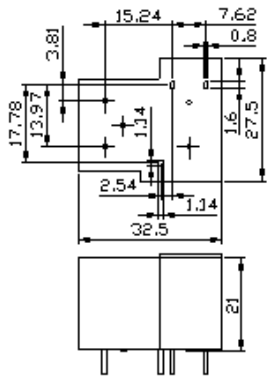
TECHNICAL REQUIREMENTS:

| | |
|--|---|
| Coil Source | DC |
| Coil Dissipation | 0.9W |
| Insulation Resistance | 1000MΩ |
| Dielectric Withstanding Voltage (RMS/50Hz) | 1500VAC(between contacts) 2500VAC(between coil and contacts) |
| Electrical Life | 1x10 ⁵ Operations |
| Mechanical Life | 1x10 ⁷ Operations |
| Contact Form | 1H(SPST-NO); 1D(SPSY-NC); 1Z(SPDT). |
| Operate Time | 15ms |
| Release Time | 10ms |
| Outline and dimension | 32.6mm x 27.7mm x 21mm |
| Weight | 34g |
| Approved standard | UL, CUL(E151736), TUV, CQC |

TERMINAL TYPE 1 (T90):

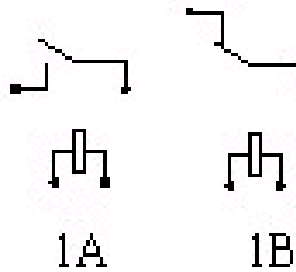
OUTLINE DIMENSIONS:

Tolerance: $\pm 0.20\text{mm}$.



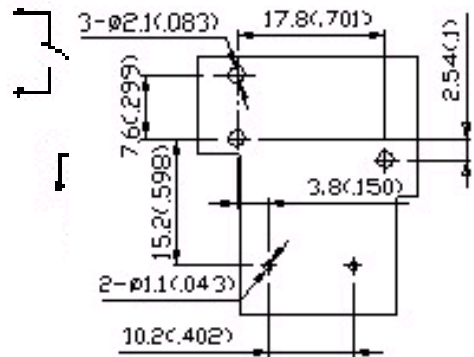
INTERNAL CONNECTIONS:

(Bottom View)



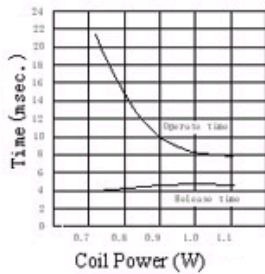
DRILLING PLAN:

(Bottom View)

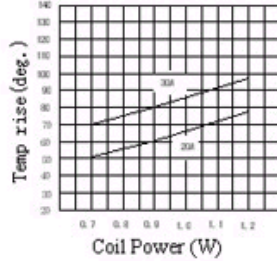


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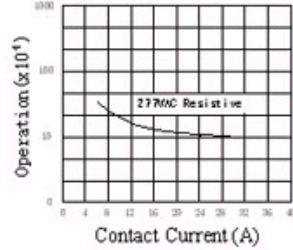
TIMING:



COIL TEMPERATURE RISE:

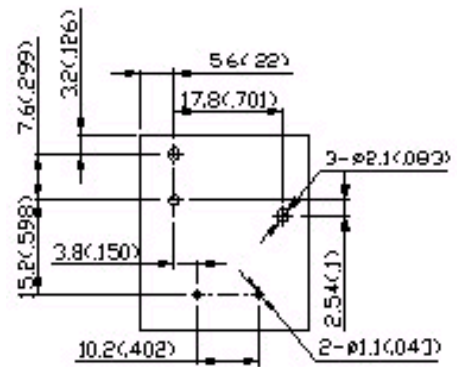
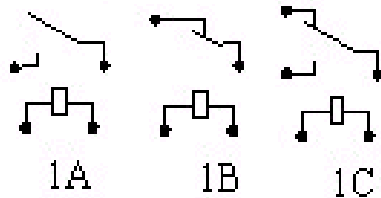
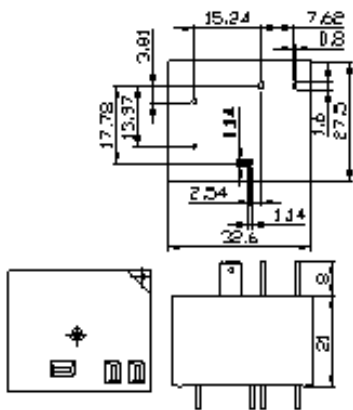


LIFE CURVES:



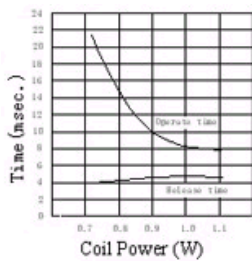
TERMINAL TYPE 6(T91)

OUTLINE DIMENSIONS:

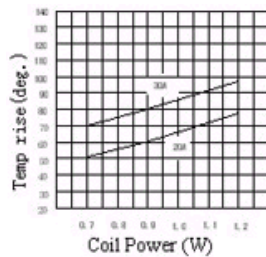


REFERENCIAL DATA:

TIMING:



COIL TEMPERATURE RISE:



LIFE CURVES:

