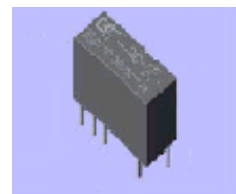




JQX-115F

MINIATURE HEAVY LOAD DC ELECTROMAGNETIC RELAY



FEATURES:

- 1.16A switching capabilities;
- 2.1 & 2 pole configurations;
- 3.5KV dielectric coil to contacts;
- 4.Outline Dimensions: 29mm x 12.7mm x 15.7mm.

ORDERING INFORMATION:

JQX-115F H / 012 - 1H T

1 2 3 4 5

- 1. Model;
- 2. H=High Sensitive Type
- 3. Part No.(Rated Voltage);
- 4. Contact Form:1H=1A;1Z=1C;2H=2A;2Z=2C
- 5. Terminal;

SPECIFICATIONS(20°C):

Coil Type	Rated Voltage (V)	Coil Resistance $\pm 12\%$ (Ω)	Pick-up Voltage(V) $\leq$	Drop-out Voltage(V) $\geq$	Nominal Current (mA)
DC Standard Coils	5	62 $\pm 10\%$	3.5	0.5	80.6
	6	90 $\pm 10\%$	4.2	0.6	66.7
	12	360 $\pm 10\%$	8.4	1.2	33.3
	24	1440 $\pm 10\%$	16.8	2.4	16.7
	48	5520 $\pm 10\%$	33.6	4.8	8.7
	60	7340	42	6.0	8.2
DC High Sensitive Coils	110	26600	77	11.0	4.1
	5	100 $\pm 10\%$	3.7	0.5	50
	6	144 $\pm 10\%$	4.5	0.6	41.7
	12	576 $\pm 10\%$	9.0	1.2	20.8
	24	2304 $\pm 10\%$	18.0	2.4	10.4
	48	9216 $\pm 10\%$	36.0	4.8	5.2
	60	12857	45.0	6.0	4.7

Note:Max Continuous Voltage at 20 °C:130% of Coil Nominal Voltage

CONTACT RATINGS:

Contact Arrangement	1 Form C(SPDT)-T	1 Form A(SPST)	1 Form C(SPDT)	2 Form C(DPDT)
Max. Switching Power	4000VA / 480W	3000VA / 360W	2500VA / 300W	2000VA / 240W
Max. Switching Voltage	250VAC / 30VDC	250VAC / 30VDC	250VAC / 30VDC	250VAC / 30VDC
Max. Switching Current	16A	12A	10A	8A
Contact Resistance	100m Ω	100m Ω	100m Ω	100m Ω
Resistive Load	16A250VAC/ 30VDC	12A250VAC/ 30VDC	10A250VAC/ 30VDC	8A250VAC/30VDC
Inductive Load ($\cos\Phi=0.4, L/R=7ms$)	8A250VAC / 30VDC	6A250VAC / 30VDC	5A250VAC / 30VDC	2A250VAC / 30VDC
Contact Material	Ag-CdO	Ag-CdO	Ag-CdO	Ag-CdO

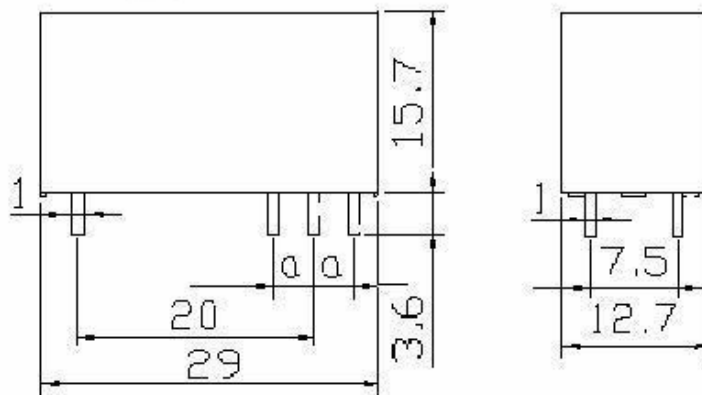
TECHNICAL REQUIREMENTS:

Coil Source	DC
Coil Dissipation	0.41W,0.72W
Insulation Resistance	1000M Ω
Dielectric Withstanding Voltage (RMS/50Hz)	1000V(Between open Contact); 5000V(Between Coil and Contact)
Electrical Life	1x10 ⁵ Operations
Mechanical Life	1x10 ⁷ Operations
Contact Form	1H=1A;1Z=1C;2H=2A;2Z=2C;
Operate Time	7ms
Release Time	3ms
Outline Dimensions	29mm x 12.7mm x 15.7mm
Weight	13g
Approved standard	UL,CUL(pending)

ENVIRONMENTAL CONDITIONS:

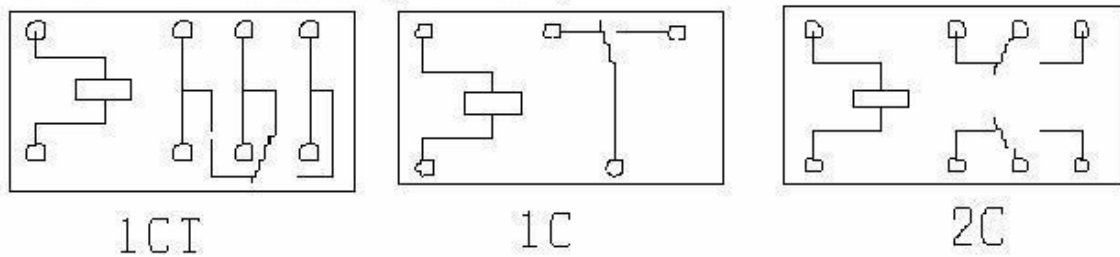
Temperature Range	-40~+85 °C
Relative Humidity	Up to 85% at +40°C
Atmospheric Pressure	87~107kPa
Vibration	10~55Hz Dual Amplitude 1.50mm
Shock	98m/s ²
Operating Position	Optional

OUTLINE DIMENSIONS: Note:Tolerance of outline dimensions: $\pm 0.20\text{mm}$



Note: $a: 3.5; 5.0$

INTERNAL CONNECTIONS(Bottom View):



TERMINAL:

