

Features

- UL F class rated standard
- Small size and light weight
- Capable of handling 1000W lamp loads
- Designed to withstand high inrush loads (100A)

Contact Data*

Contact Arrangement	1A = SPST N.O. 1C = SPDT	Contact Resistance	< 50 milliohms initial
Contact Rating	20A @ 125VAC 16A @ 277VAC 10A @ 250VAC, General Purpose, 20k cycles 85°C TV-8, 120VAC 1hp @ 125/250 N.O. 1/2hp @ 125/250 N.C.	Contact Material	AgSnO ₂ In ₂ O ₃
		Maximum Switching Power	500W, 4500VA
		Maximum Switching Voltage	380VAC, 110VDC
		Maximum Switching Current	20A

Coil Data*

Coil Voltage VDC		Coil Resistance Ω +/- 10%		Pick Up Voltage VDC (max)	Release Voltage VDC (min)	Coil Power W	Operate Time ms	Release Time ms
Rated	Max	.36W	.45W					
5	6.5	70	56	75% of rated voltage	10% of rated voltage	.36 .45	10	5
6	7.8	100	80	3.75	.05			
9	11.7	225	180	4.50	.06			
12	15.6	400	320	6.75	.09			
24	31.2	1600	1280	9.00	1.2			
48	62.4	6400	5120	18.00	2.4			
				36.00	4.8			

General Data*

Electrical Life @ rated load	100K cycles, average
Mechanical Life	10M cycles, average
Insulation Resistance	100M Ω min. @ 500VDC initial
Dielectric Strength, Coil to Contact Contact to Contact	2500V rms min. @ sea level initial 1500V rms min. @ sea level initial
Shock Resistance	100m/s ² for 11 ms
Vibration Resistance	1.50mm double amplitude 10~40Hz
Terminal (Copper Alloy) Strength	10N
Operating Temperature	-55°C to +125°C
Storage Temperature	-55°C to +155°C
Solderability	260°C for 5 s
Weight	10g

* Values can change due to the switching frequency, desired reliability levels, environmental conditions and in-rush load levels. It is recommended to test actual load conditions for the application. It is the user's responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

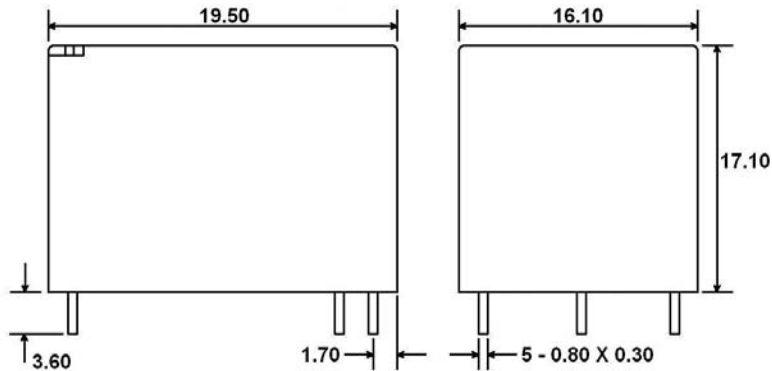
J123

Ordering Information

1. Series	J123F	1C	12VDC	.36
J123F				
2. Contact Arrangement	1A = SPST N.O. 1C = SPDT			
3. Coil Voltage	5VDC 6VDC 9VDC 12VDC 24VDC 48VDC			
4. Coil Power	.36 = .36W .45 = .45W			
5. Sealing Option	Blank = Sealed (standard)			

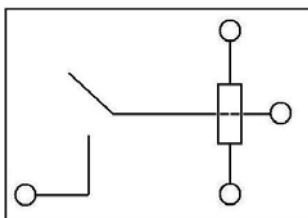
Dimensions

Units = mm

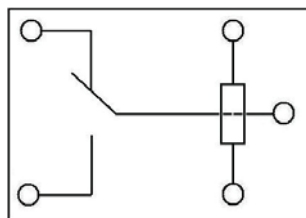


Schematics & PC Layouts

Bottom Views



1A



1C

