

RoHS Compliant C Sus



E197851 30.0 x 15.5 x 23.3 (33.0) mm

Features

- Switching capacity up to 20A
- PC pins and quick connect terminals
- Strong resistance to shock and vibration
- Designed to withstand high inrush
- Uses include household appliances

Contact Data*

Contact Arrangement	1A = SPST N.O.	
Contact Rating	20A @ 250VAC General Purpose	
Contact Resistance	< 50 milliohms initial	
Contact Material	AgSnO ₂	

Maximum Switching Power	5000VA
Maximum Switching Voltage	300VAC
Maximum Switching Current	20A

DC Coil Data*

	Coil Voltage Coil Resistance VDC Ω +/- 10%		Pick Up Voltage VDC (max)	Release Voltage VDC (min)	Coil Power W	Operate Time ms	Release Time ms
Rated	Max	.9W	75% of rated voltage	10% of rated voltage			
5	6.5	28	3.75	.50			
6	7.8	40	4.50	.60			
12	15.6	160	9.00	1.2	.9	20	10
24	31.2	640	18.00	2.4			
48	62.4	4267	36.00	3.6			

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	4500V rms min. @ sea level initial		
Contact to Contact	1500V rms min. @ sea level initial		
Shock Resistance	200m/s ² for 11 ms		
Vibration Resistance	1.50mm double amplitude 10~40Hz		
Terminal (Copper Alloy) Strength	10N		
Operating Temperature	-30°C to +55°C		
Storage Temperature	-40°C to +85°C		
Solderability	260°C for 5 s		
Weight	23g		

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.

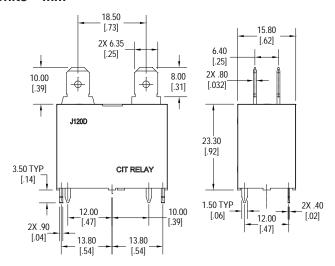


Ordering Information

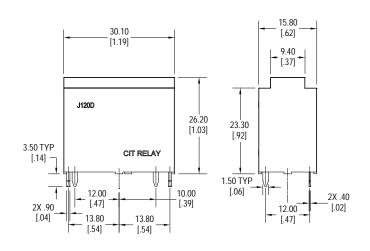
1. Series	J120D	1A	S	12VDC			
J120D							
2. Contact Arrangement 1A = SPST N.O.							
3. Sealing Options S = Sealed available with PC pins only C = Dust Cover available with Quick Connect & PC pins version only							
4. Coil Voltage 5VDC 6VDC 12VDC 24VDC 48VDC							
5. Terminal Options Blank = Quick Connec P = PC pin only	t & PC pin						

Dimensions

Units = mm



Quick Connect Terminals and PC Pins



PC Pins only

Schematics & PC Layouts

Bottom Views

