



Features

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

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

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		75% of rated voltage	10% of rated voltage			
		.9W			.90	20	10
5	6.5	28	3.75	.50			
6	7.8	40	4.50	.60			
9	11.7	90	6.75	.90			
12	15.6	160	9.00	1.2			
24	31.2	640	18.00	2.4			
48	62.4	4267	36.00	3.6			

General Data

Electrical Life @ rated load	100K cycles, typical
Mechanical Life	10M cycles, typical
Insulation Resistance	100M Ω min. @ 500VDC
Dielectric Strength, Coil to Contact	4500V rms min. @ sea level
Contact to Contact	1500V rms min. @ sea level
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

Caution

1. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.

Dimensions shown in mm. Dimensions are shown for reference purposes only.

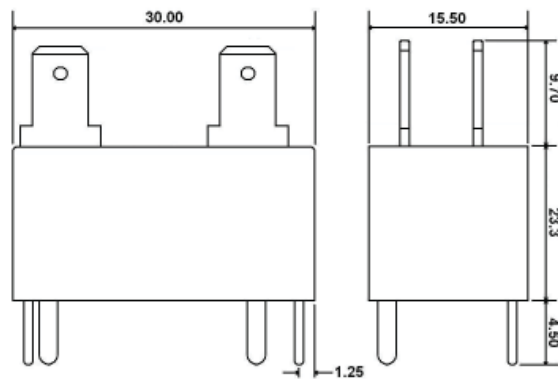
Specifications and availability subject to change without notice.

Ordering Information

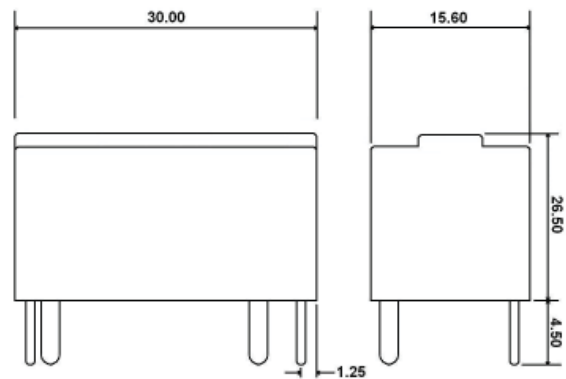
1. Series	J120	1A	S	12VDC
J120				
2. Contact Arrangement	1A = SPST N.O.			
3. Sealing Option	S = Sealed (only available with PC pins) C = Dust Cover (only available Quick Connect & PC pin version)			
4. Coil Voltage	5VDC 6VDC 9VDC 12VDC 24VDC 48VDC			
5. Terminal Options	Blank = PC pins and Quick Connect Terminals P = PC pins only			

Dimensions

Units = mm



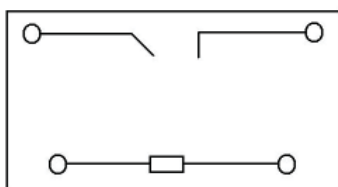
Quick Connect Terminals
and PC Pins



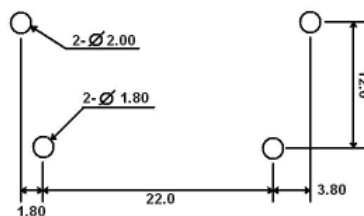
PC Pins Only

Schematics & PC Layouts

Bottom Views



1A



** The contacts are connected to the quick connect terminals on top of the relay as well as the PC terminals

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