



## Features

- Switching capacity up to 10A
- Small size and light weight
- Low coil power consumption, High contact load
- Strong resistance to shock and vibration

## Contact Data

Contact Arrangement	2A, 2B, 2C = DPST N.O., DPST N.C., DPDT 3A, 3B, 3C = 3PST N.O., 3PST N.C., 3PDT 4A, 4B, 4C = 4PST N.O., 4PST N.C., 4PDT	Contact Resistance	< 50 milliohms initial
Contact Rating	2, &3 Pole : 10A @ 220VAC & 28VDC 4 Pole : 5A @ 220VAC & 28VDC	Contact Material	AgSnO <sub>2</sub>
		Max Switching Power	2C, & 3C : 280W, 2200VA 4C : 140W, 110VA
		Max Switching Voltage	300VAC
		Max Switching Current	10A

## Coil Data DC Parameters

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			
6	6.6	40	4.50	.6	.90	25	25
12	13.2		9.00	1.2			
24	26.4		18.00	2.4			
36	39.6		27.00	3.6			
48	52.8		36.00	4.8			
110	121.0		82.50	11.0			

## Coil Data AC Parameters

Coil Voltage VAC		Coil Resistance Ω +/- 10%	Pick Up Voltage VAC (max)	Release Voltage VAC (min)	Coil Power W	Operate Time ms	Release Time ms
Rated	Max		80% of rated voltage	30% of rated voltage			
6	6.6	11.5	4.80	1.8	1.20	25	25
12	13.2		9.60	3.6			
24	26.4		19.20	7.2			
36	39.6		28.80	10.8			
48	52.8		38.40	14.4			
110	121.0		88.00	33.0			
120	132.0		96.00	36.0			
220	252.0		176.00	66.0			

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

Specifications and availability subject to change without notice.

## General Data

Electrical Life @ rated load	500K cycles (2 pole), 200K cycles (3 pole), 100K (4 pole) typical
Mechanical Life	20M cycles (2 pole), 10M cycles (3 & 4 pole), typical
Insulation Resistance	100M $\Omega$ min. @ 500VDC
Dielectric Strength, Coil to Contact Contact to Contact	1500V rms min. @ sea level
	1500V rms min. @ sea level
Shock Resistance	100m/s <sup>2</sup> for 11 ms
Vibration Resistance	1.27mm double amplitude 10~40Hz
Terminal (Copper Alloy) Strength	10N
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +155°C
Solderability	260°C for 5 s
Weight	32g

## Ordering Information

1. Series	J152	3C	T	12VDC
J152				
2. Contact Arrangement				
2A, 2B, 2C				
3A, 3B, 3C				
4A, 4B, 4C				
3. Termination				
T = Solder lugs / Plug-in				
F = Solder lugs / Plug-in with Flange				
P = PCB Pins				
4. Coil Voltage				
6VDC	6VAC			
12VDC	12VAC			
24VDC	24VAC			
36VDC	36VAC			
48VDC	48VAC			
110VDC	110VAC			
	120VAC			
	220VAC			
5. Optional LED				
Blank = No indicator LED				
D = With indicator LED				
6. Gold Option				
Blank = Standard contacts				
G = Gold over standard contacts				
7. Push to Test Option				
Blank = Without push to test button				
T = With push to test button				

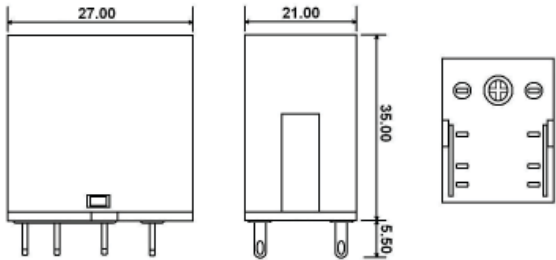
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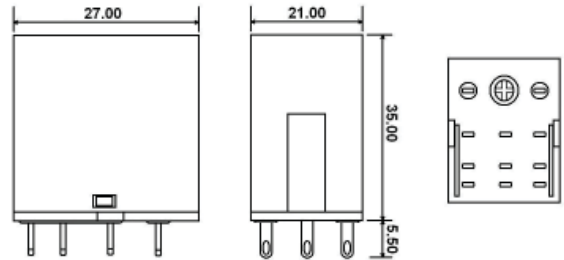
# J152

## Dimensions

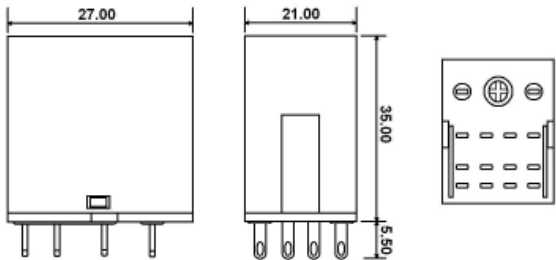
Units = mm



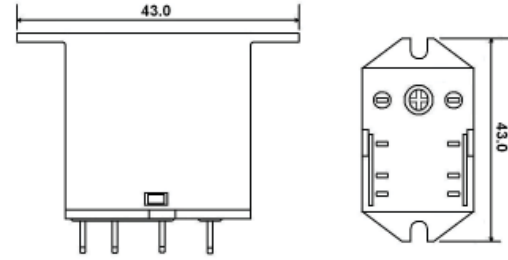
**2 Pole**



**3 Pole**

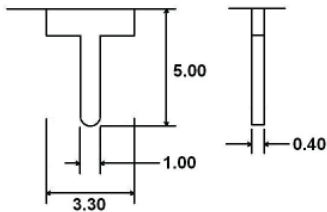


**4 Pole**

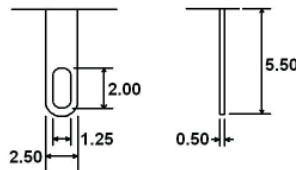


**Flange Mount**

## Termination Options



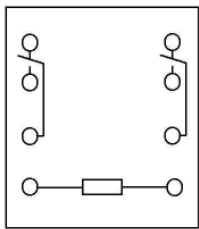
**PC Pins**



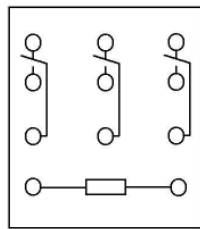
**Solder Tabs**

## Schematics & PC Layouts

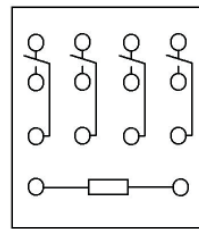
Bottom Views



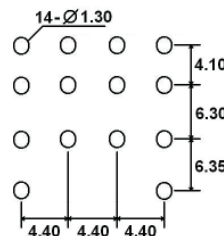
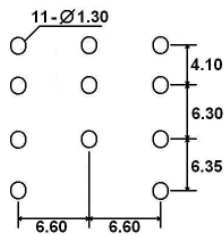
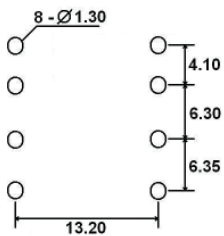
**2C**



**3C**



**4C**



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