

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	2C = DPDT	Contact Resistance	< 50 milliohms initial
Arrangement	3C = 3PDT	Contact Material	AgCdO
	4C = 4PDT	Max Switching Power	2C, & 3C : 280W, 2200VA
Contact Rating			4C : 140W, 110VA
UL	2 & 3 Pole : 10A @ 220VAC & 28VDC, General Purpose	Max Switching Voltage	300VAC
	4 Pole : 5A @ 220VAC & 28VDC, General Purpose	Max Switching Current	10A
ΤÜV	2 Pole : 5A @ 220VAC & 28VDC, 100K cycles, 70°C		

Coil Data DC Parameters*

Coil Voltage VDC		Coil Resistance Ω +/- 10%	Pick Up Voltage VDC (max) 75% of rated	Release Voltage VDC (min) 10% of rated	Coil Power W	Operate Time ms	Release Time ms	
Rated	Max		voltage	voltage				
12	13.2	160	9.00	1.2				
24	26.4	640	18.00	2.4	.90	25	25	
110	121.0	11000	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
ļ			80% of rated	30% of rated volt-			
Rated	Max		voltage	age			
12	13.2	46	9.60	3.6			
24	26.4	184	19.20	7.2		25	25
110	121.0	3750	88.00	33.0	1.20		
120	132.0	4550	96.00	36.0			
220	252.0	14400	176.00	66.0			

www.citrelay.com phone - 763.535.2339 fax - 763.535.2194



General Data*

Electrical Life @ rated load	100K cycles, average				
Mechanical Life	20M cycles (2 pole), 10M cycles (3 & 4 pole), average				
Insulation Resistance	100M Ω min. @ 500VDC initial				
Dielectric Strength, Coil to Contact	1500V rms min. @ sea level initial				
Contact to Contact	1500V rms min. @ sea level initial				
Shock Resistance	100m/s ² 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				

* 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.

86

Ordering Information

1. Series	J152	3C	Т	12VDC			
J152							
2. Contact Arrangem 2C 3C 4C	nent						
3. Termination T = Solder lugs / Plu F = Solder lugs / Plu P = PCB Pins)					
4. Coil Voltage 12VDC 24VDC 110VDC	12VAC 24VAC 110VAC 120VAC 220VAC						
5. Optional LED Blank = No indicator D = With indicator L							
6. Gold Option Blank = Standard contacts G = Gold over standard contacts							
7. Push to Test Optic Blank = Without push T = With push to test	h to test button						

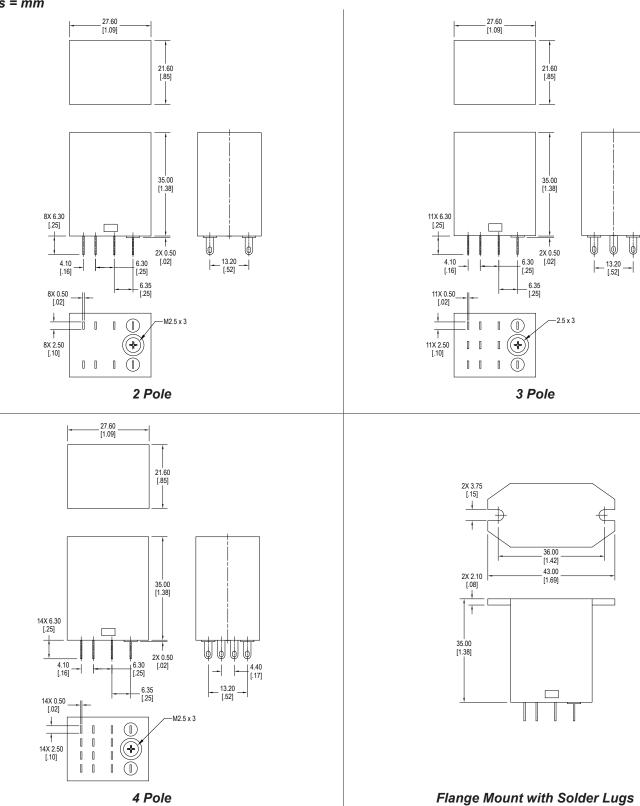
page 2

www.citrelay.com phone - 763.535.2339 fax - 763.535.2194



Dimensions





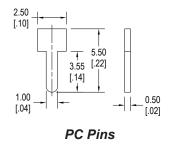
www.citrelay.com phone - 763.535.2339 fax - 763.535.2194

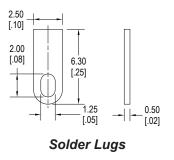
page 3

RELAY & SWITCH™



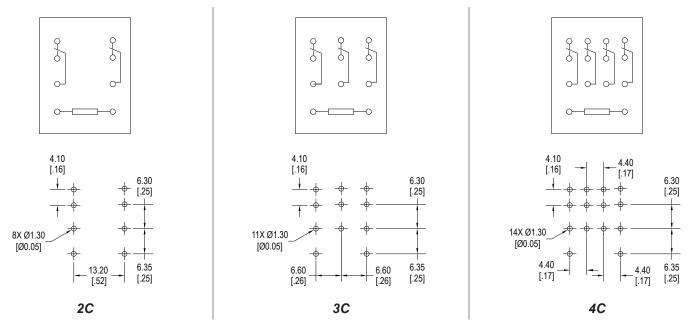
Termination Options





Schematics & PC Layouts

Bottom Views



86

[.06]

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