



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		2C = DPDT	Contact Resistance	< 50 milliohms initial
		3C = 3PDT	Contact Material	AgCdO
		4C = 4PDT	Max Switching Power	2C, & 3C : 280W, 2200VA 4C : 140W, 1110VA
Contact Rating	UL	2 & 3 Pole : 10A @ 220VAC & 28VDC, General Purpose 4 Pole : 5A @ 220VAC & 28VDC, General Purpose	Max Switching Voltage	300VAC
	TÜV	2 Pole : 5A @ 220VAC & 28VDC, 100K cycles, 70°C	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		80% of rated voltage	10% of rated voltage			
12	13.2	160	9.6	1.2	.9	25	25
24	26.4	640	19.2	2.4			
110	121.0	11000	88.0	11.0			

Coil Data AC Parameters*

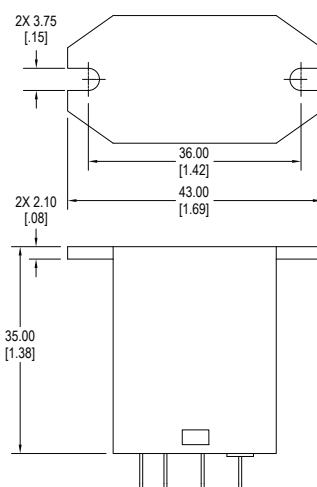
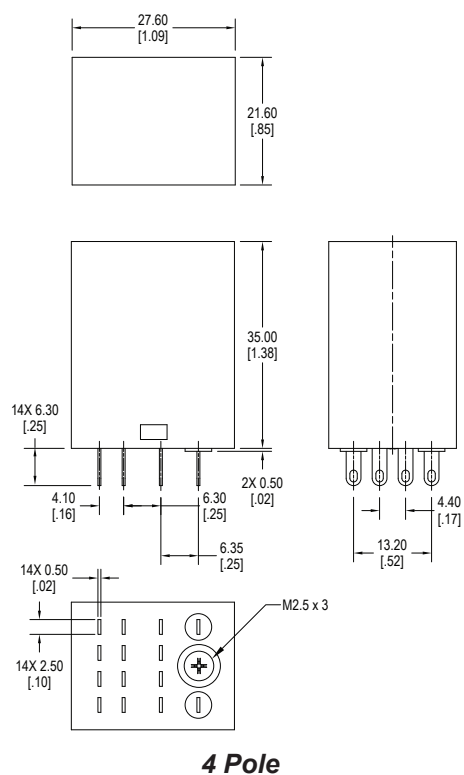
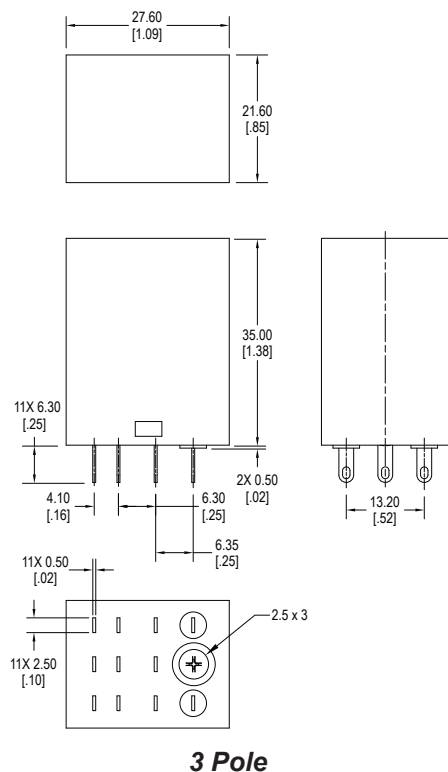
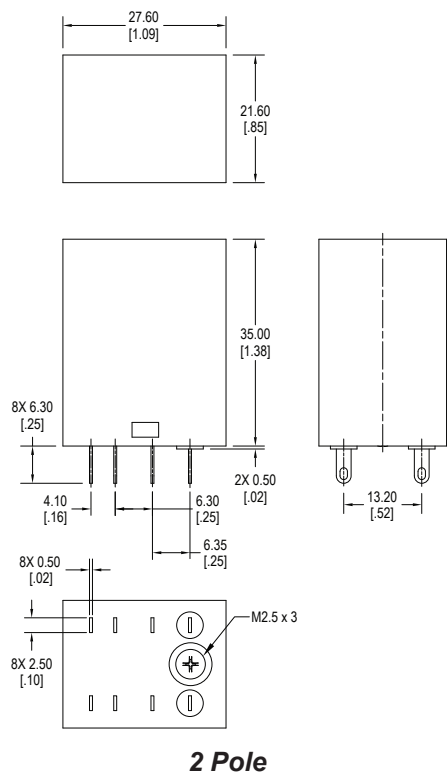
Coil Voltage VAC		Coil Resistance Ω +/- 10%	Pick Up Voltage VAC (max)	Release Voltage VAC (min)	Coil Power VA	Operate Time ms	Release Time ms
Rated	Max		80% of rated voltage	30% of rated voltage			
12	13.2	46	9.6	3.6	1.2	25	25
24	26.4	184	19.2	7.2			
110	121.0	3750	88.0	33.0			
120	132.0	4550	96.0	36.0			
220	252.0	14400	176.0	66.0			

* 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.

1. Series	1452	20	T	12V/DC		
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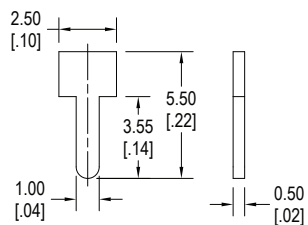
Dimensions

Units = mm

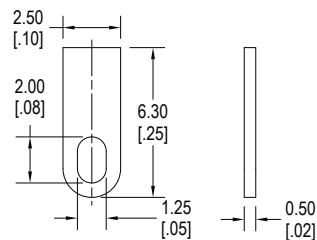




Termination Options



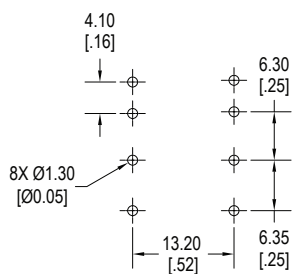
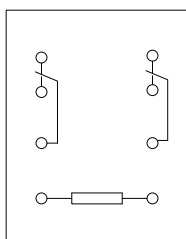
PC Pins



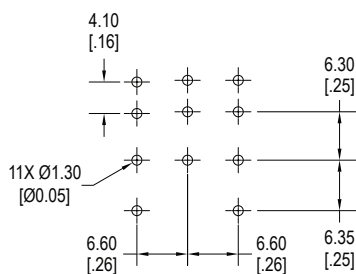
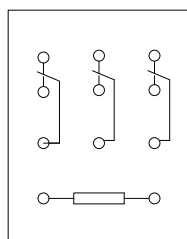
Solder Lugs

Schematics & PC Layouts

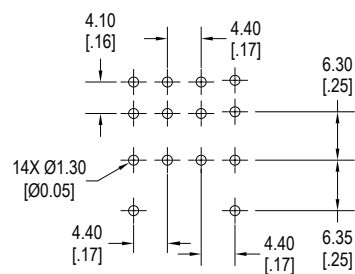
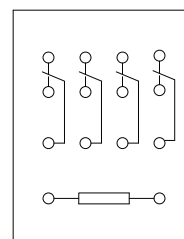
Bottom Views



2C



3C



4C