



J114FL

29.24 x 13.15 x 15.7 mm

- Switching capacity 16A
- Produced in accordance to IEC 60335-1
- PC board mounting
- UL/CUL certified

Contact Arrangement	1A = SPST N.O. 1C = SPDT 2A = DPST N.O. 2C = DPDT
Contact Rating	12A @ 250VAC; 30 VDC, General Purpose, 85°C 16A @ 250VAC; 30VDC, General Purpose, 85°C 8A @ 277VAC; 30VDC, General Purpose, 85°C

Contact Resistance	< 50 milliohms initial
Contact Material	AgSnO ₂
Maximum Switching Power	480W, 4000VA
Maximum Switching Voltage	380VAC, 110VDC
Maximum Switching Current	16A

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			
5	6.5	62	3.75	.5	.41	10	5
6	7.8	90	4.50	.6			
9	11.7	202	6.75	.9			
12	15.6	360	9.00	1.2			
24	31.2	1440	18.00	2.4			
48	62.4	5760	36.00	3.6			

Electrical Life @ rated load	100K cycles, average
Mechanical Life	10M cycles, average
Insulation Resistance	100M Ω min. @ 500VDC initial
Dielectric Strength, Coil to Contact Contact to Contact	5000V rms min. @ sea level initial 1000V rms min. @ sea level initial
Shock Resistance	500m/s ² for 11 ms
Vibration Resistance	1.50mm double amplitude 10~40Hz
Operating Temperature	-55°C to +105°C
Storage Temperature	-55°C to +155°C
Solderability	260°C for 5 s
Weight	14g

* 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.

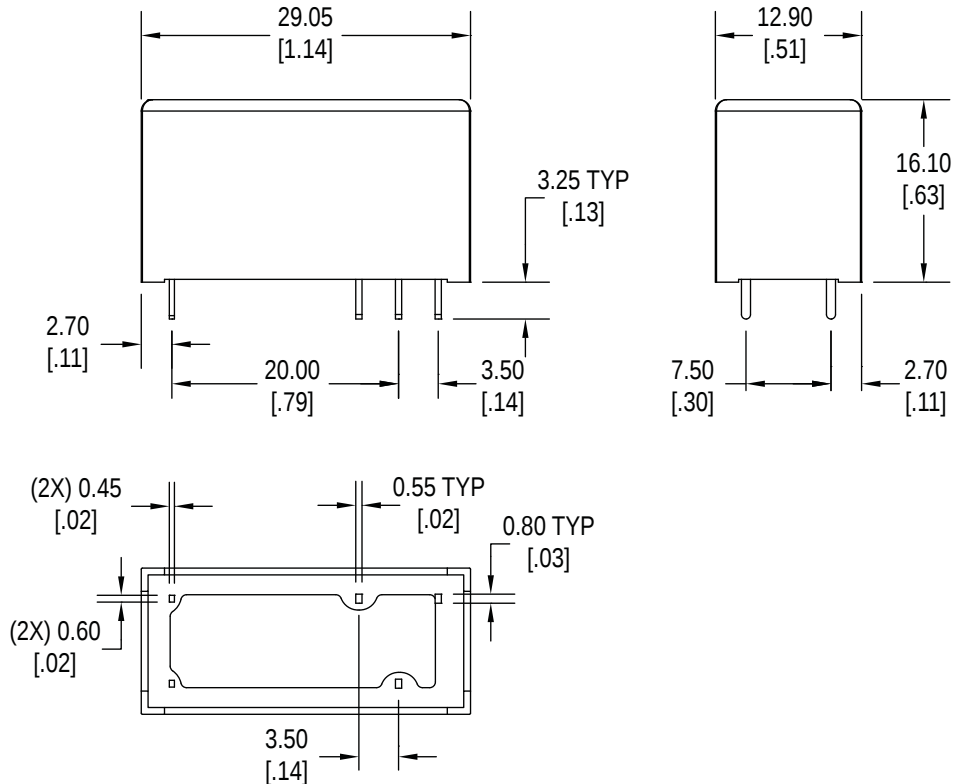
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Ordering Information

1. Series	J114FL	1C	S	16	12VDC	.41
J114FL						
2. Contact Arrangement						
1A = SPST N.O.						
1C = SPDT						
2A = DPST N.O.						
2C = DPDT						
3. Sealing Option						
S = Sealed						
4. Contact Rating						
12 = 12A **only available with 1 pole relays						
16 = 16A **only available with 1 pole relays						
8 = 8A **only available with 2 pole relays						
5. Coil Voltage						
5VDC	12VDC					
6VDC	24VDC					
9VDC	48VDC					
6. Coil Power						
.41 = .41W						

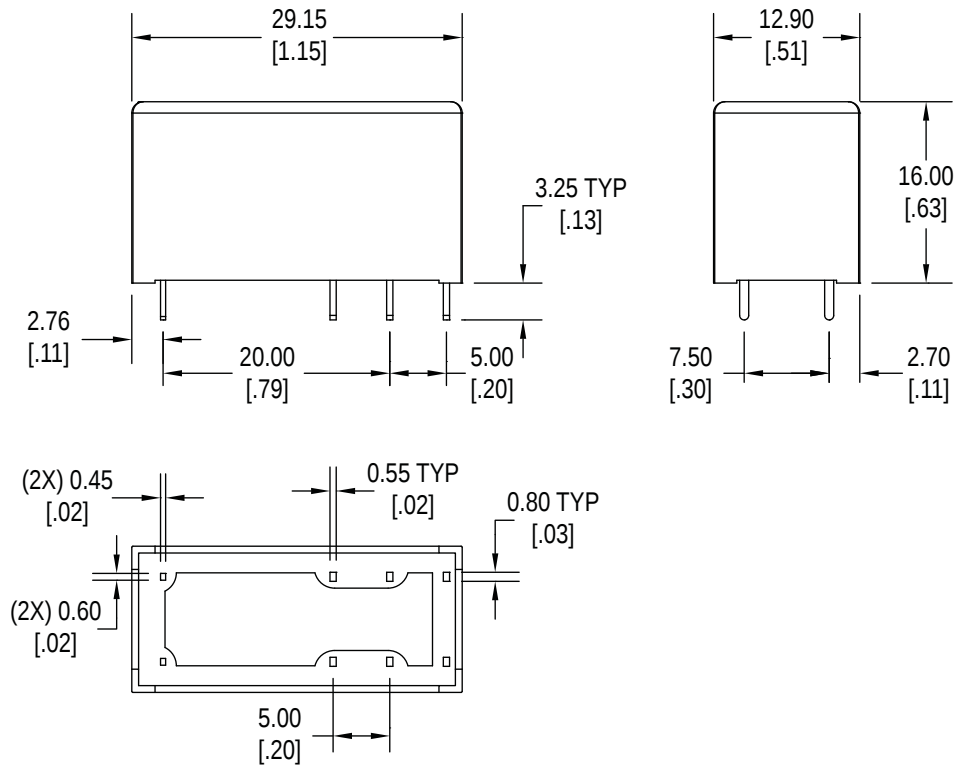
Dimensions - 12amp Single Pole

Units = mm



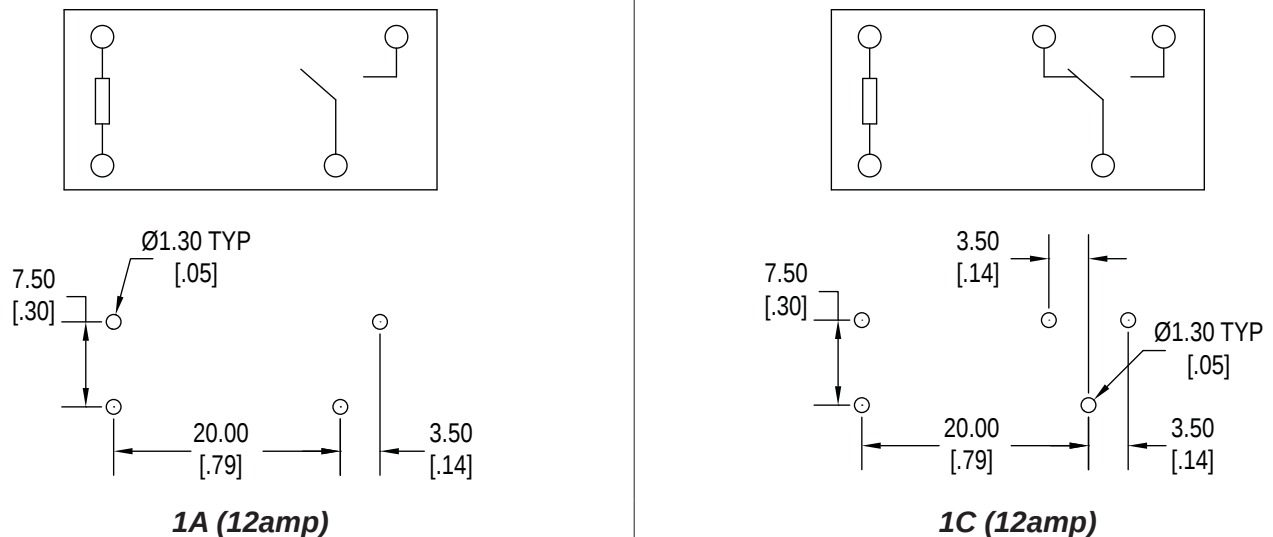
Dimensions - 16amp Single Pole, 8amp Double Pole

Units = mm



Schematics & PC Layouts

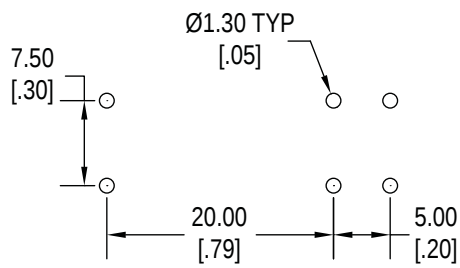
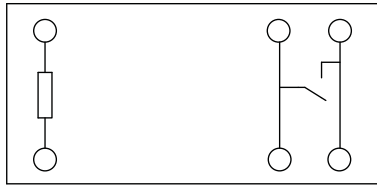
Bottom Views



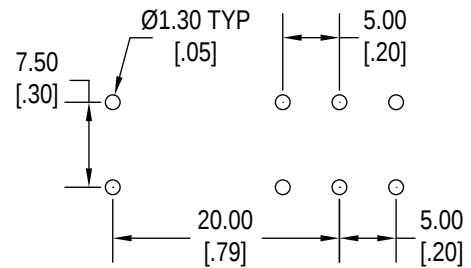
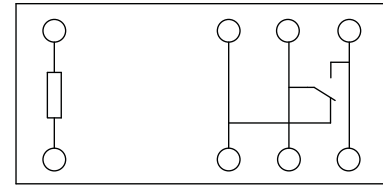
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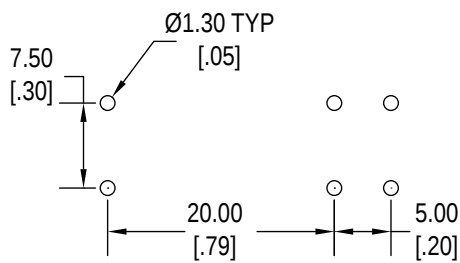
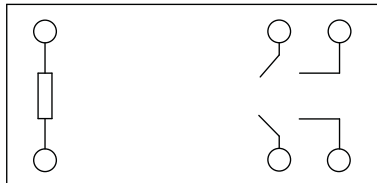
Bottom Views



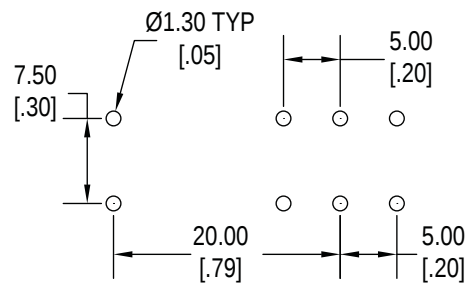
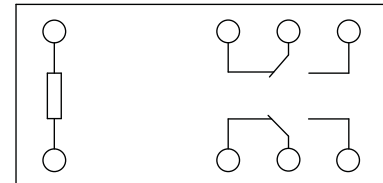
1A (16amp)



1C (16amp)



2A (8amp)



2C (8amp)