

Features

- 20A Power Relay
- Produced in accordance to IEC 60335-1
- Reinforced Insulation
- Heavy Contact Load, Strong Shock & Vibration Resistance

UL[®]
c US
E197851



Contact Data*

Contact Arrangement	1A = SPST		
Contact Ratings	A	20A @ 250VAC; Resistive, 50K cycles, 105°C, NO 16A @ 250VAC; Resistive, 100K cycles, 105°C, NO 1hp @ 120/240VAC; 6K cycles, 40°C, NO TV-8 @ 120VAC; 25K cycles, 40°C, NO	.41W coil power
	B	16A @ 250VAC; Resistive, 100K cycles, 105°C, NO	.25W coil power
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	.41W	.25W	75% of rated voltage	10% of rated voltage			
5	6.5	62	100	3.75	0.5	.41 .25	≤10	≤10
6	7.8	90	144	4.50	0.6			
9	11.7	202	324	6.75	.09			
12	15.6	360	576	9.00	1.2			
24	31.2	1440	2304	18.00	2.4			
48	62.4	5760	9216	36.00	4.8			

General Data*

Electrical Life @ rated load	100K cycles, average
Mechanical Life	10M cycles, average
Insulation Resistance	100M Ω min. @ 500VDC initial
Dielectric Strength, Coil to Contact	5000V rms min. @ sea level initial
Contact to Contact	1000V rms min. @ sea level initial
Shock Resistance	500m/s ² for 11 ms
Vibration Resistance	1.50mm double amplitude 10~55Hz
Operating Temperature	-40°C to +125°C
Storage Temperature	-40°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.

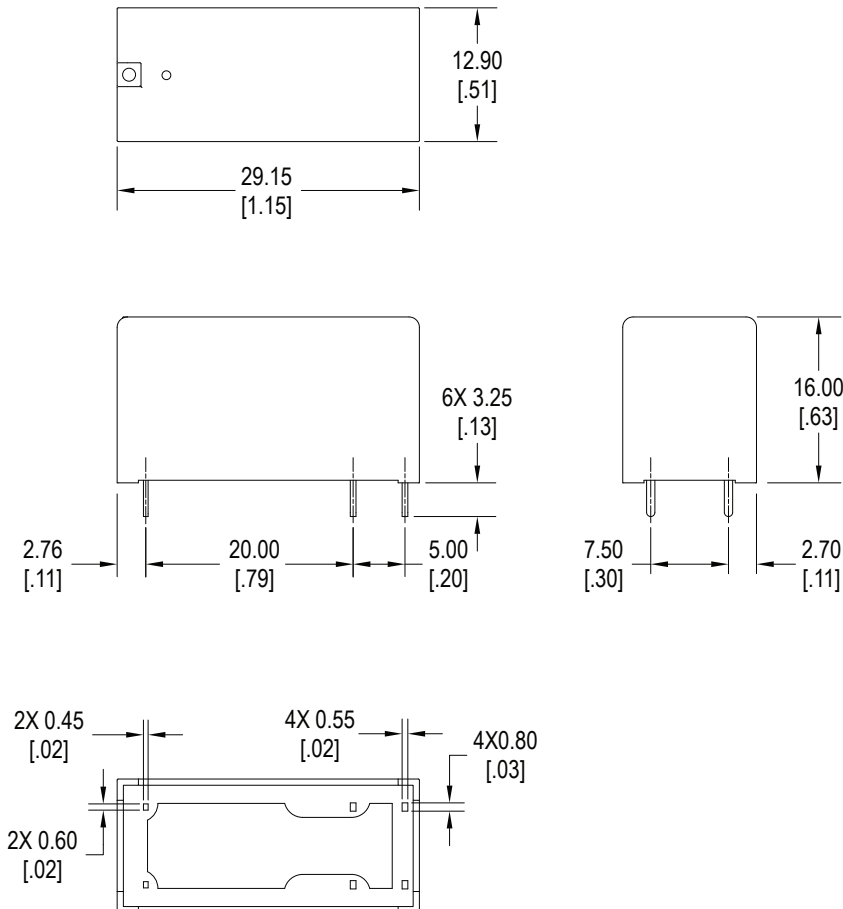
Ordering Information

1. Series	J114FLH	1A	S	A	12VDC	.41
J114FLH						
2. Contact Arrangement	1A = SPST					
3. Sealing Option	S = Sealed, standard					
4. Contact Option	A = See Contact Ratings on page 1; coil power .41W only B = See Contact Ratings on page 1; coil power .25W only					
5. Coil Voltage	5VDC 12VDC 6VDC 24VDC 9VDC 48VDC					
6. Coil Power	.41 = .41W, standard .25 = .25W **					

**only available with "B" contact rating designator

Dimensions

Units = mm



Schematics & PC Layouts

Bottom Views

