



31.7 x 26.9 x 20.3 mm



- 50A version
- Small size and light weight, low coil power consumption
- · Heavy contact load, strong shock and vibration resistance





Contact Data*

Contact Rating	N.O.	50A @ 240VAC Resistive, 10K cycles 40°C
	N.C.	35A @ 240VAC Resistive, 10K cycles 40°C
Contact Arrangement		1A = SPST N.O.
		1B = SPST N.C.
		1C = SPDT

Contact Resistance	< 30 milliohms initial
Contact Material	AgSnO ₂ , AgSnO ₂ In ₂ O ₃
Maximum Switching Power	1200W, 12000VA
Maximum Switching Voltage	277VAC, 110VDC
Maximum Switching Current	50A

Coil Data DC Parameters*

	/oltage DC	_	sistance · 10%	Pick Up Voltage VDC (max)	Release Voltage VDC (min)	Coil Power W	Operate Time ms	Release Time ms
Rated	Max	.9W	1.5W	75% of rated voltage	10% of rated voltage			
5	6.5	28	16.7	3.75	.5			
9	11.7	90	54	6.75	.9			
12	15.6	160	96	9.00	1.2	1.5W	15	10
24	31.2	640	384	18.00	2.4			
48	62.4	2560	1536	36.00	4.8			

Coil Data AC Parameters*

	oltage AC	Coil Resistance Ω +/- 10%	Pick Up Voltage VAC (max)	Release Voltage VAC (min)	Coil Power VA	Operate Time ms	Release Time ms
Rated	Max	2.7VA	75% of rated voltage	30% of rated voltage			
24	31.2	96	18.0	7.2			
120	156	2320	90.0	36.0			
220	286	9500	165.0	66.0	2.7VA	15	10
240	312	11600	180.0	72.0			
277	360	15600	207.0	83.1			



General Data*

Electrical Life @ rated load	100K cycles, average				
Mechanical Life	10M cycles, avereage				
Insulation Resistance	100M Ω min. @ 500VDC initial				
Dielectric Strength, Coil to Contact	4000V rms min. @ sea level initial(H = high dielectric strength option)				
Biologino Guorigan, Gon to Goridaet	2500V rms min. @ sea level initial				
Contact to Contact					
Contact to Contact	1500V rms min. @ sea level initial				
Shock Resistance	200m/s ² for 11 ms				
Vibration Resistance	1.50mm double amplitude 10~40Hz				
Terminal (Copper Alloy) Strength	10N				
Operating Temperature	-55°C to +125°C F Class				
Storage Temperature	-55°C to +155°C F Class				
Solderability	260°C for 5 s				
Weight	30g, 27g no cover				

^{*} 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.

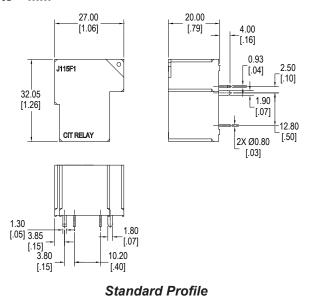
Ordering Information

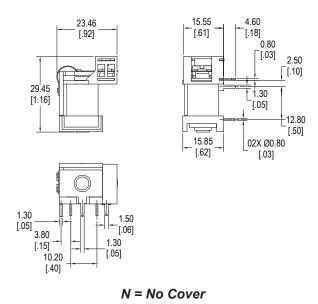
1. Series	J115F1	1A	Н	12VDC	S	1.5	
J115F1							
2. Contact Ar 1A = SPST 1B = SPST 1C = SPDT	N.O. N.C.						
3. Contact Ra H = 50A	ating						
4. Profile Blank = Sta N = No Cov	andard Profile ver						
5. Coil Voltag 5VDC 9VDC 12VDC 24VDC 48VDC	e	24VAC 120VAC 220VAC 240VAC 277VAC					
		<i>available with N</i> d	Style Profile				
	Strength rd dielectric st ielectric streng						
8. Coil Power .9 = .9W 1.5 = 1.5W							
9. Contact Ma Blank = Ag U = AgSnC	SnO ₂						



Dimensions

Units = mm





Schematics & PC Layouts

Bottom View

