J115F2E

31.9 x 26.8 x 28.1 mm

Features

- 30A economical version
- Small size and light weight, low coil power consumption
- Heavy contact load, strong shock and vibration resistance

TÜV

c UL us E197852

RoHS COMPLIANT

Contact Data*

TÜV Contact Rating	N.O.	30A @ 240VAC; 14VDC
	N.C.	20A @ 240VAC; 14VDC
UL Contact Rating	N.O.	30A @ 240VAC Resistive
	N.C.	20A @ 240VAC Resistive
Contact Arrangement		1A = SPST N.O. 1B = SPST N.C. 1C = SPDT N.O.

Contact Resistance	< 30 milliohms initial
Contact Material	$AgSnO_2$, AgCdO
Maximum Switching Power	840W, 7200VA
Maximum Switching Voltage	277VAC, 110VDC
Maximum Switching Current	30A

Coil Data DC Parameters*

Coil Voltage VDC		Coil Resistance Ω +/- 10%		Pick Up Voltage VDC (max) 75% of rated voltage	Release Voltage VDC (min) 10% of rated voltage	Coil Power W	Operate Time ms	Release Time ms
Rated	Max	.6W	.9W					
5	6.5	42	28	3.75	0.5	.60 .90	15	10
9	11.7	135	90	6.75	0.9			
12	15.6	240	160	9.00	1.2			
24	31.2	960	640	18.00	2.4			
48	62.4	3840	2560	36.00	4.8			
110	140.3	20167	13445	82.50	11.0			

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	2500V rms min. @ sea level initial	
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	-55ºC to +125ºC F Class	-40ºC to +85ºC B Class
Storage Temperature	-55ºC to +155ºC F Class	-40ºC to +115ºC B Class
Solderability	260ºC for 5 s	
Weight	37g	

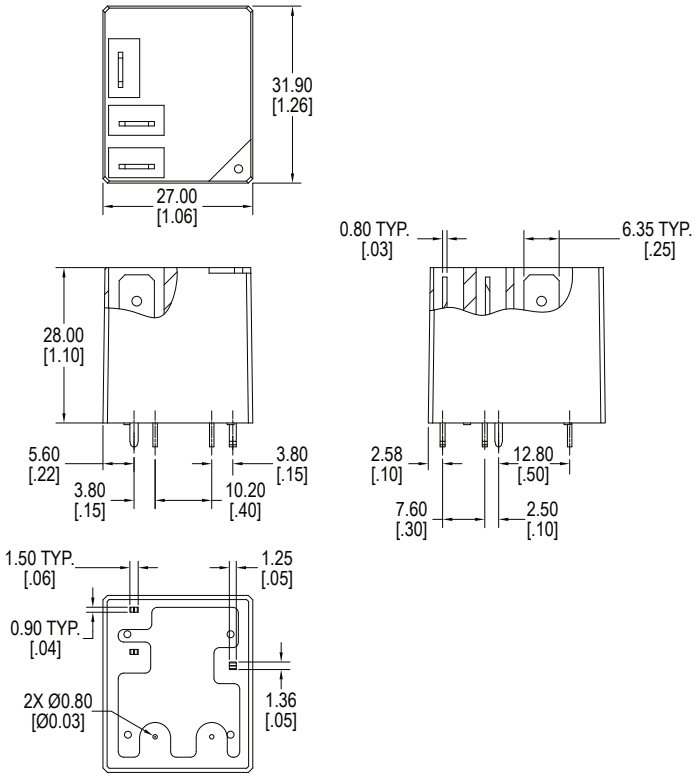
** Values can change due to the switching frequency, desired reliability levels, environmental conditions and in-rush load levels. It is recommended to test actual load conditions for the application. It is the user's responsibility to determine the performance suitability for their specific application. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.*

Ordering Information

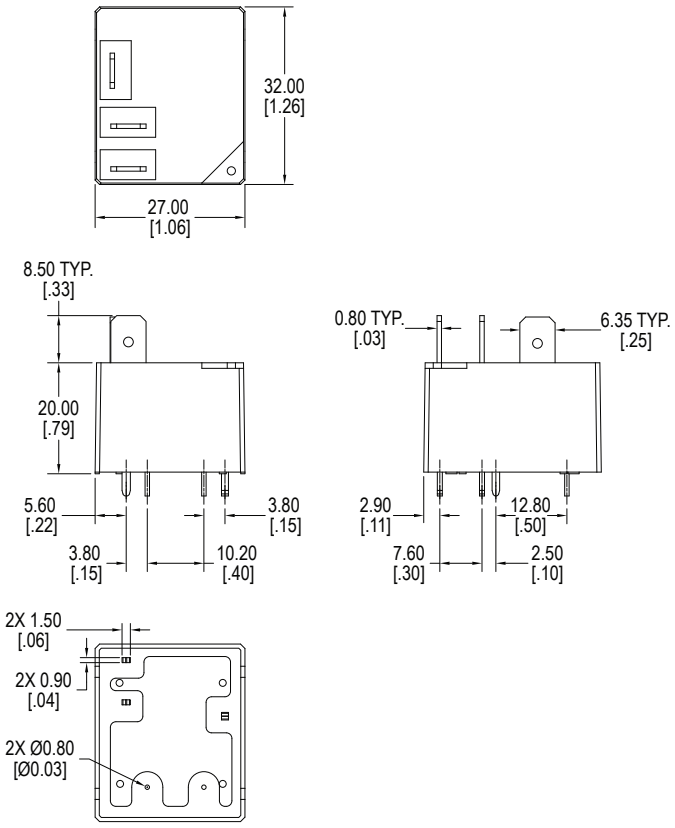
1. Series	J115F2E	1A	S	12D	S	X	.9	B	C
J115F2E									
2. Contact Arrangement 1A = SPST N.O. 1B = SPST N.C. 1C = SPDT									
3. Profile S = Standard Profile L = Low Profile N = No cover									
4. Coil Voltage 5D = 5VDC 9D = 9VDC 12D = 12VDC 24D = 24VDC 48D = 48VDC 110D = 110VDC									
5. Sealing Option S = Sealed X = No cover, non-sealed									
6. Dielectric Strength Option X = Standard dielectric strength									
7. Coil Power .9 = .9W DC Coil .6 = .6W DC Coil									
8. Insulation B = B Class F = F Class									
9. Contact Material Z = $AgSnO_2$ C = AgCdO									

Dimensions

Units = mm



S = Standard Profile

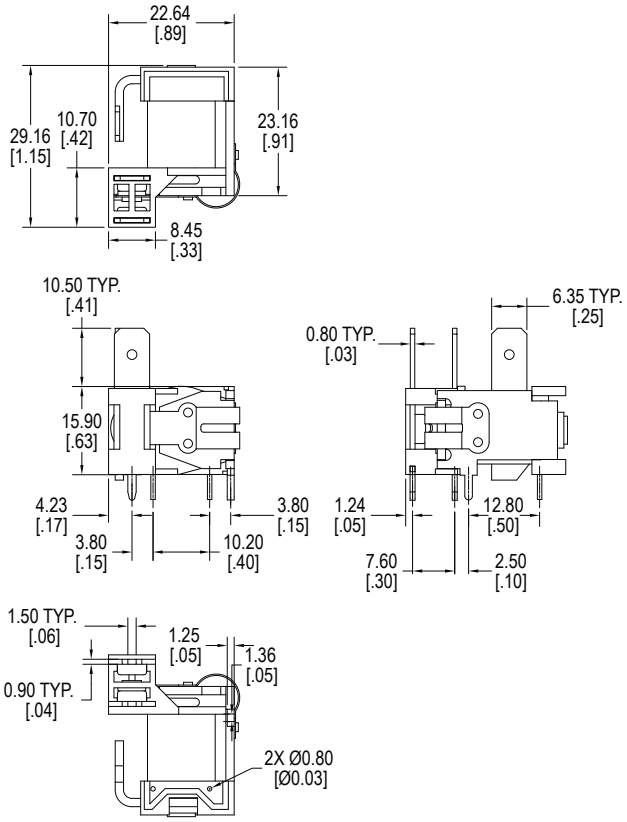


L = Low Profile

J115F2E

Dimensions

Units = mm

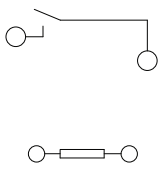


N = No Cover

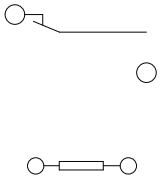
***Quick Connect Terminals:*
Contacts - 6.35 x .81mm (.250" x .032")

Schematics, PC Layouts & Panel Layouts

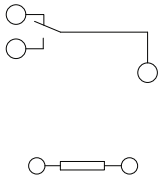
Units = mm



1A



1B



1C