



RoHS Compliant



J115F3

E197852

32.4 (50.0) x 26.8 x 28.1 mm

Features

- UL F class rated standard
- Small size and light weight, low coil power consumption
- Heavy contact load, strong shock and vibration resistance
- UL/CUL, TÜV certified

Contact Data*

UL Contact Rating	N.O.	5A @ 280VAC Ballast 5A @ 280VAC General Purpose 20A @ 240VAC Resistive, 250k cycles, 40C 25A @ 277VAC, Resistive 100k cycles, 40C 40A @ 240VAC Resistive, 40C 30A @ 277VAC General Purpose 2hp @ 250VAC, 40C; 1hp @ 125VAC, 50K cycles, 40C
	N.C.	5A @ 280VAC Ballast 5A @ 280VAC General Purpose 30A @ 240VAC Resistive, 40C 30A @ 30VDC, 40C 20A @ 277VAC General Purpose 1-1/2hp @ 250VAC; 1/4hp @ 125VAC, 50K cycles, 40C
TÜV Contact Rating		N.O. 40A @ 240VAC; 14VDC 30A @ 277VAC N.C. 30A @ 240VAC; 14VDC 20A @ 277VAC

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	9600VA, 1120 W
Maximum Switching Voltage	277VAC, 110VDC
Maximum Switching Current	40A

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	.6W	.9W	75% of rated voltage	10% of rated voltage			
5	6.5	42	28	3.75	.5	.60 .90	15	10
9	11.7	135	90	6.75	.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			

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		75% of rated voltage	30% of rated voltage			
12	15.6	27	9.00	3.6	2VA	15	10
24	31.2	120	18.00	7.2			
110	143	2360	82.50	33.0			
120	156	3040	90.00	36.0			
220	286	13490	165.00	66.0			
240	312	15320	180.00	72.0			
277	360	20210	207.00	83.1			

Electrical Life @ rated load	100K cycles, average
Mechanical Life	10M cycles, average
Insulation Resistance	1000M 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	-55°C to +125°C
Storage Temperature	-55°C to +155°C
Solderability	260°C for 5 s
Weight	37g

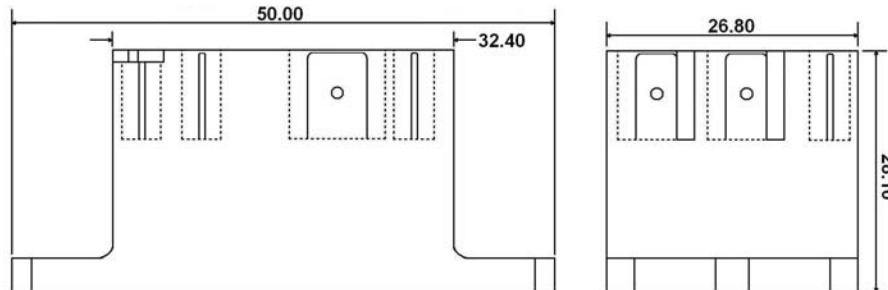
Ordering Information

1. Series	J115F3	1A	12VDC	S	.6
J115F3					
2. Contact Arrangement 1A = SPST N.O. 1B = SPST N.C. 1C = SPDT					
3. Profile Blank = Standard Profile L = Low Profile					
4. Coil Voltage					
5VDC	12VAC				
9VDC	24VAC				
12VDC	110VAC				
24VDC	120VAC				
48VDC	220VAC				
110VDC	240VAC				
	277VAC				
5. Sealing Option S = Sealed					
6. Coil Power .9 = .9W DC Coil .6 = .6W DC Coil Blank = 2VA (AC Coil)					
7. Contact Material Blank = AgSnO ₂ U = AgSnO ₂ In ₂ O ₃					

J115F3

Dimensions

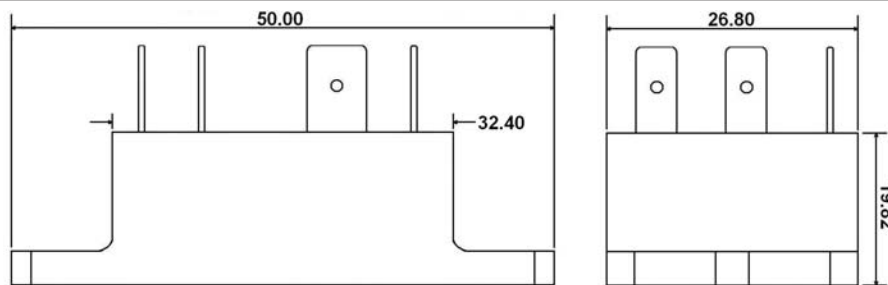
Units = mm



Standard Cover

****Quick Connect Terminals : Contact ~ 6.35 x .81mm (.250" x .032")**

Coil ~ 4.75 x .50mm (.187" x .020") standard



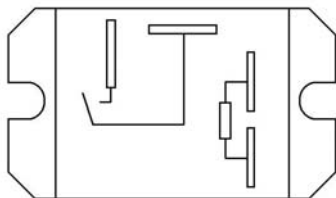
L = Low Profile

****Quick Connect Terminals : Contact ~ 6.35 x .81mm (.250" x .032")**

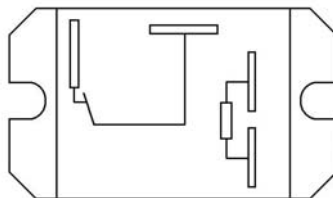
Coil ~ 4.75 x .50mm (.187" x .020") standard

Schematics & PC Layouts

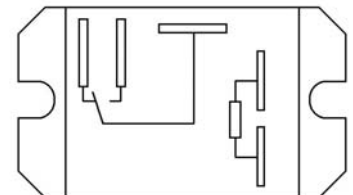
Bottom Views



1A



1B



1C

