

WJ115F1

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 certified





26.9 x 31.7 x 20.3 mm

CONTACT DATA

Contact Arrangement	1A = SPST N.O. 1B = SPST N.C. 1C = SPDT
Contact Rating	N.O. 40A @ 240VAC resistive, 28VDC; 30A @ 277VAC General Purpose 2 hp @ 250VAC, 1 hp @ 125 VAC; 277VAC (FLA-20A) (LRA-60A) N.C. 30A @ 240VAC resistive, 30VDC; 20A @ 277VAC General Purpose 1 1/2 hp @ 250VAC, ³ / ₄ hp @ 125 VAC; 277VAC (FLA-10A) (LRA-33A)
Contact Resistance	< 30 milliohms initial
Contact Material	AgSnO ₂
Maximum Switching Power	9600VA, 1120W
Maximum Switching Voltage	277VAC, 110VDC
Maximum Switching Current	40A

COIL DATA

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Coil V	Coil Voltage Coil Resistan		sistance	Pick Up Voltage	Release Voltage	Coil Power	Operate Time	Release Time
VE	VDC		10%	VDC (max)	VDC (min)	W	ms	ms
				75%	10%			
Rated	Max.	0.6W	0.9W	or rated voltage	of rated voltage			
3	3.9	15	10	2.25	0.3			
5	6.5	42	28	3.75	0.5			
6	7.8	60	40	4.50	0.6			
9	11.7	135	90	6.75	0.9			
12	15.6	240	160	9.00	1.2	.60	15	10
15	19.5	375	250	10.25	1.5	.90		
18	23.4	540	360	13.50	1.8			
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 V VI V	Rated Max. 3 3.9 5 6.5 6 7.8 9 11.7 12 15.6 15 19.5 18 23.4 24 31.2 48 62.4	Coil Voltage VDC Coil Res Ω± Rated Max. 0.6W 3 3.9 15 5 6.5 42 6 7.8 60 9 11.7 135 12 15.6 240 15 19.5 375 18 23.4 540 24 31.2 960 48 62.4 3840	Coil Voltage VDC Coil Resistance Ω±10% Rated Max. 0.6W 0.9W 3 3.9 15 10 5 6.5 42 28 6 7.8 60 40 9 11.7 135 90 12 15.6 240 160 15 19.5 375 250 18 23.4 540 360 24 31.2 960 640 48 62.4 3840 2560	Coil Voltage VDC Coil Resistance Ω±10% Pick Up Voltage VDC (max) Rated Max. 0.6W 0.9W 3 3.9 15 10 2.25 5 6.5 42 28 3.75 6 7.8 60 40 4.50 9 11.7 135 90 6.75 12 15.6 240 160 9.00 15 19.5 375 250 10.25 18 23.4 540 360 13.50 24 31.2 960 640 18.00 48 62.4 3840 2560 36.00	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $

AC Coil Parameters

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Coil Voltage		Coil Resistance	Pick Up Voltage	Release Voltage	Coil Power	Operate Time	Release Time
VAC		$\Omega\pm$ 10%	VAC (max)	VAC (min)	VA	ms	ms
			75%	30%			
Rated	Max.		of rated voltage	of rated voltage			
12	15.6	27	9.0	3.6			
24	31.2	120	18.0	7.2			
110	143	2360	82.5	33	2)./A	45	10
120	156	3040	90	36	2VA	15	10
220	286	13490	165	66			
240	312	15320	180	72			
277	360	20210	207	83.1]		

CAUTION:

- 1. The use of any coil voltage less than the rated coil voltage may compromise the operation of the relay.
- 2. Pickup and release voltages are for test purposes only and are not to be used as design criteria.

CIT RELAY Website: www.citrelay.com Tel: 763-535-2339 Fax: 763-535-2194



GENERAL DATA

Electrical Life @ rated load	100K cycles, typical			
Mechanical Life	10M cycles, typical			
Insulation Resistance	100MΩ min @ 500VDC			
Dielectric Strength, Coil to Contact	4000V rms min. @ sea level (With Pin 6 removed)			
_	2500V rms min. @ sea level (With Pin 6)			
Contact to Contact	1500V rms min. @ sea level			
Shock Resistance	200m/s ² for 11ms			
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	230 °C ± 2 °C for 10 ± 0.5s			
Weight	30g, 27g (no cover)			

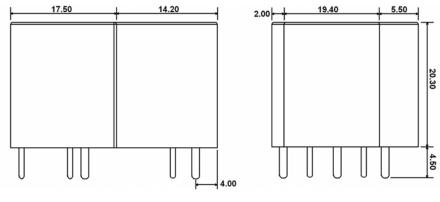
ORDERING INFORMATION

ORDERING INFORMATI	ON					
1. Series:	WJ115F1	1C	12VDC	S	6	.6
WJ115F1						
2. Contact Arrangement:						
1A = SPST N.O.						
1B = SPST N.C.						
1C = SPDT						
4. Coil Voltage:						
3VDC						
5VDC						
6VDC						
9VDC						
12VDC						
15VDC						
18VDC						
24VDC						
48VDC						
110VDC						
12VAC						
24VAC						
110VAC						
120VAC						
220VAC						
240VAC						
277VAC 5. Sealing Options:						
S = Sealed (standard)						
N = No cover						
C = Cover						
L = Cover shipped bulk						
6. Option:						
None = Pin 6 Included						
6 = Pin 6 Removed						
7. Coil Power:						' I
.9 = .9W						
.6 = .6W						
Blank = 2VA (AC Coil)						
2.2 2777 (710 0011)						

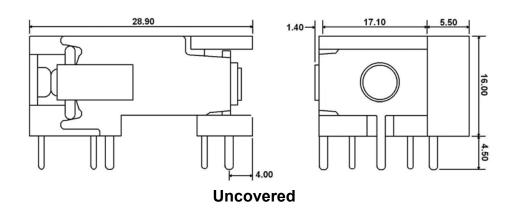
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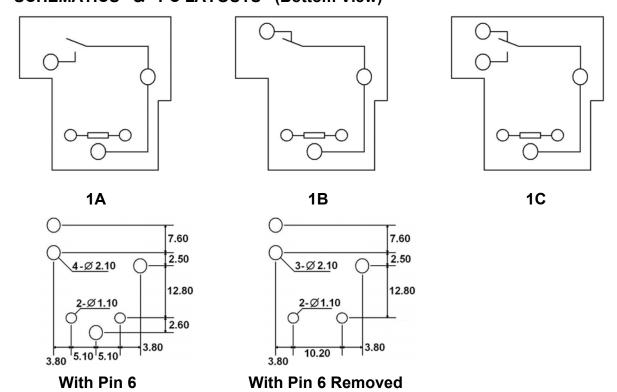
DIMENSIONS: (Units = mm)



Covered



SCHEMATICS & PC LAYOUTS (Bottom View)



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