

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

 **E197852**



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; 30A @ 277VAC General Purpose 2 hp @ 250VAC N.C. 30A @ 240VAC resistive, 30VDC; 20A @ 277VAC General Purpose 1-1/2 hp @ 250VAC
Contact Resistance	< 30 milliohms initial
Contact Material	AgSnO ₂ , AgSnO ₂ In ₂ O ₃
Maximum Switching Power	9600VA, 1120W
Maximum Switching Voltage	277VAC, 110VDC
Maximum Switching Current	40A

COIL DATA

Coil Voltage VDC		Coil Resistance $\Omega \pm 10\%$		Pick Up Voltage VDC (max)	Release Voltage VDC (min)	Coil Power W	Operate Time ms	Release Time ms
Rated	Max.	0.6W	0.9W	75% of rated voltage	10% of rated voltage			
3	3.9	15	10	2.25	0.3	.60 .90	15	10
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			
15	19.5	375	250	10.25	1.5			
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			

AC COIL PARAMETERS

Coil Voltage VAC		Coil Resistance $\Omega \pm 10\%$		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	9.0	3.6	2VA	15	10
24	31.2		120	18.0	7.2			
110	143		2360	82.5	33			
120	156		3040	90	36			
220	286		13490	165	66			
240	312		15320	180	72			
277	360		20210	207	83.1			

Distributor: **Electro-Stock** www.electrostock.com Tel: 630-682-1542 Fax: 630-682-1562

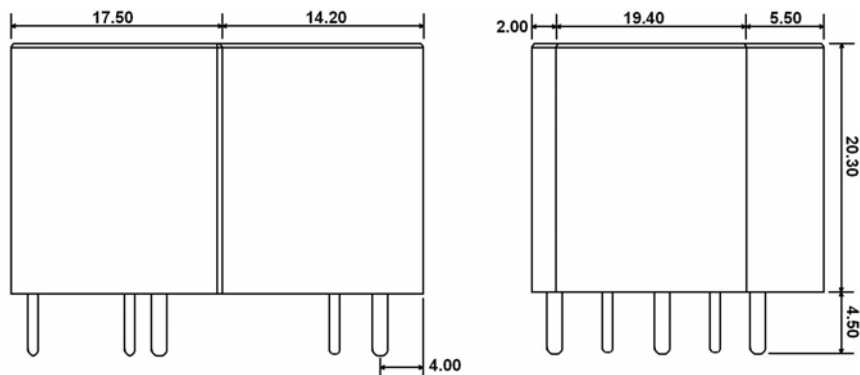
GENERAL DATA

Electrical Life @ rated load	100K cycles, typical
Mechanical Life	10M cycles, typical
Insulation Resistance	100M Ω min @ 500VDC
Dielectric Strength, Coil to Contact	4000V rms min. @ sea level (With Pin 6 removed)
Contact to Contact	2500V rms min. @ sea level (With Pin 6)
Shock Resistance	1500V rms min. @ sea level
Vibration Resistance	200m/s ² for 11ms
Terminal (Copper Alloy) Strength	1.50mm double amplitude 10-40Hz
Operating Temperature	10N
Storage Temperature	-55 °C to + 125 °C
Solderability	-55 °C to + 155 °C
Weight	230 °C \pm 2 °C for 10 \pm 0.5s
	30g, 27g (no cover)

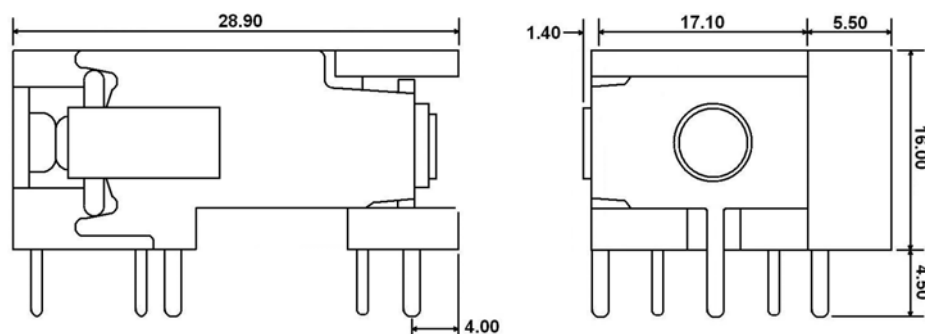
ORDERING INFORMATION

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						
6. Option:						
None = Pin 6 Included						
6 = Pin 6 Removed						
7. Coil Power:						
.9 = .9W						
.6 = .6W						
Blank = 2VA (AC Coil)						
8. Contact Material:						
Blank = AgSnO ₂						
U = AgSnO ₂ In ₂ O ₃						

DIMENSIONS (Units = mm)

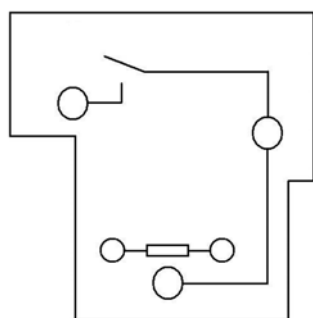


S = SEALED

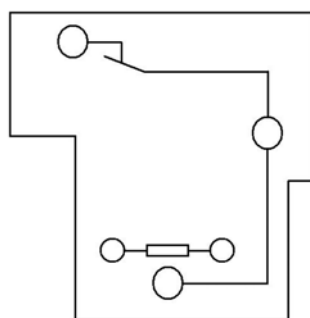


N = NO COVER

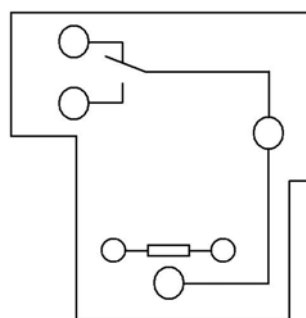
SCHEMATICS & PC LAYOUTS (BOTTOM VIEWS)



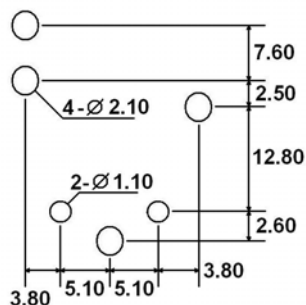
1A



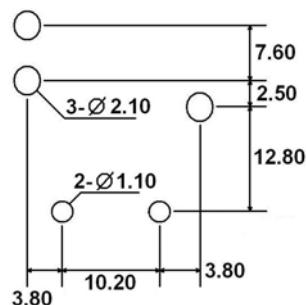
1B



1C



WITH PIN 6



WITHOUT PIN 6