



Features

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

Contact Data

Contact Arrangement	1A = SPST N.O. 1B = SPST N.C. 1C = SPST
Contact Rating	N.O. 40A @ 240VAC Resistive 30A @ 277VAC General Purpose 2hp @ 250VAC N.C. 30A @ 240VAC Resistive 30A @ 30VDC 20A @ 277VAC General Purpose 1-1/2hp @ 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 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			
3	3.9	15	10	2.25	.3	.60 .90	15	10
5	6.5	42	28	3.75	.5			
6	7.8	60	40	4.50	.6			
9	11.7	135	90	6.75	.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			

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			

Specifications and availability subject to change without notice.

Dimensions shown in mm. Dimensions are shown for reference purposes only.

General Data

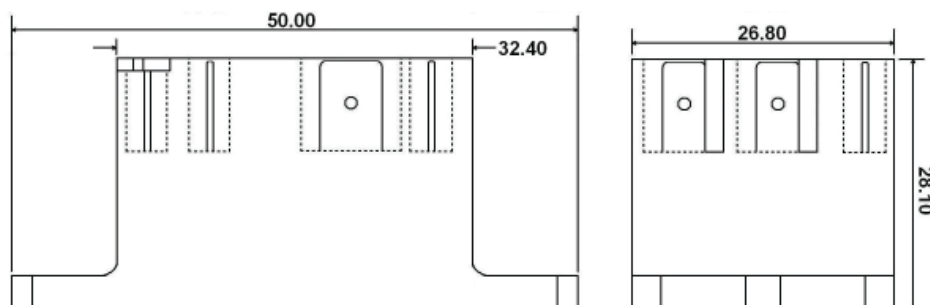
Electrical Life @ rated load	100K cycles, typical
Mechanical Life	10M cycles, typical
Insulation Resistance	100M Ω min. @ 500VDC
Dielectric Strength, Coil to Contact Contact to Contact	2500V rms min. @ sea level 1500V rms min. @ sea level
Shock Resistance	200m/s ² for 11 ms
Vibration Resistance	1.50mm 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						
3VDC 12VAC						
5VDC 24VAC						
6VDC 110VAC						
9VDC 120VAC						
12VDC 220VAC						
15VDC 240VAC						
18VDC 277VAC						
24VDC						
48VDC						
110VDC						
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						

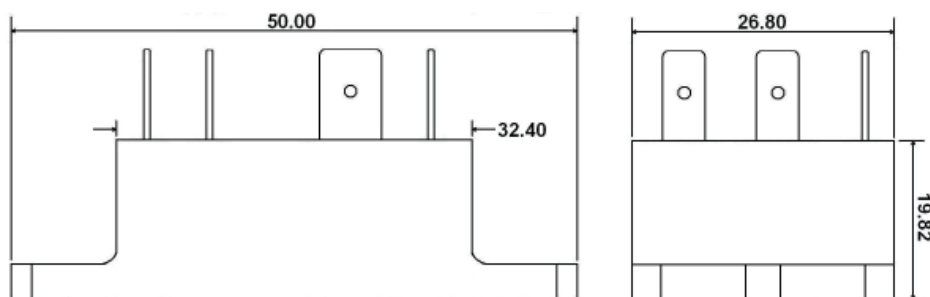
Dimensions

Units = mm



Standard Cover

**** Quick Connect Terminals : Contacts - 6.35 x .81mm (.250" x 0.032")**
Coil - 4.75 x .50mm (.187" x .020") standard

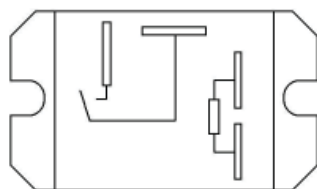


L = Low Profile

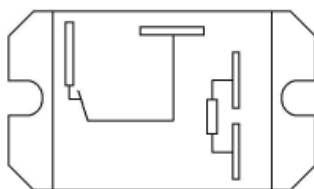
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Schematics & Panel Layouts

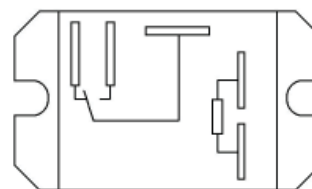
Top Views



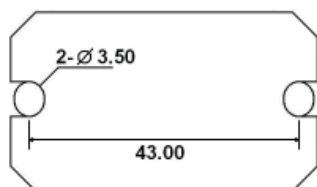
1A



1B



1C



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