



CIMI-115 Series Relay

Features:

- Epoxy sealed miniature package
- 360mW coils standard
- High sensitive 200mW coils are also available
- High sensitive custom Coils are also available

Contact Parameters:

Initial Contact Resistance:	<100 mΩ
Resistive Contact Rating:	SPDT(CIMI-115): 10A @ 120Vac/24Vdc SPDT(CIMI-115B): 5A @ 120Vac/24Vdc
Contact Arrangement:	1 Form A (SPST-NO), 1 Form C (SPDT) 1 Form B (SPST-NC)

Dielectric Withstanding Voltage:

Between Contacts:	750 Vrms
Coil and Contacts:	1,500 Vrms

Life Expectancy:

Electrical:	10 ⁵ @ rated load
Mechanical:	10 ⁷ operations

Insulation Characteristic:

Insulation Resistance:	>500 MΩ
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Environmental Characteristics:

Temperature Range:	-40°C to 85°C
Relative Humidity:	40-85%
Shock Resistance:	10g
Vibration Resistance:	10 ~55Hz @ 1.5mm (Double Amplitude)

Mechanical Data:

Dimension:	0.76 x 0.62 x 0.62 inches max.
Termination:	PCB Terminals
Weight:	10 grams Approx.

Standard Coil Data @ 20 °C (Coil Power: 360 mW)

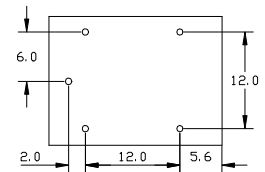
Rated Voltage (Vdc)	Coil Res. (Ω ±10 %)	Pick-up (Vdc)	Drop-out (Vdc)
3	25	2.25	0.15
5	69	3.75	0.25
6	100	4.5	0.3
9	225	6.75	0.45
12	400	9.0	0.6
18	900	13.5	0.9
24	1,600	18.0	1.2

Sensitive Coil Data @ 20 °C (Coil Power: 200 mW)

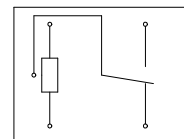
Rated Voltage (Vdc)	Coil Res. (Ω ±10 %)	Pick-up (Vdc)	Drop-out (Vdc)
3	45	2.25	0.3
5	125	3.75	0.5
6	180	4.5	0.6
9	405	6.75	0.9
12	720	9.0	1.2
18	1,620	13.5	1.8
24	2,880	18.0	2.4

Ordering Information:

	CIMI-	115	-1C	-S	-24D	(1100)
1. Basic Type:						
		115: Standard 360mW Coil				
		115B: Sensitive 200mW Coil				
2. Contact Arrangement:						
		1A: 1 Form A (SPST-NO)				
		1B: 1 Form B (SPST-NC)				
		1C: 1 Form C (SPDT)				
3. Cover Type:						
		S: Epoxy Sealed				
		D: Unsealed				
4. Coil Voltage:						
		D: 3, 5, 6, 9, 12, 18, 24Vdc				
5. Coil Resistance: (may not appear on relay)						
		Blank: For standard coils.				
		XXXX: Last 4 digit of the actual coil resistance for all special coils.				



Terminal Layout



Wiring Diagram (Bottom View)