

## HRW-1



### Feature

1. **Low profile size: 20(L)x16(W)x20(H)mm**
2. **Switching Capacity: 15A/125VAC    10A 28VDC/250VAC**
3. **Low cost type**

### Typical applications

- ◆Automotive    ◆HVAC    ◆Home Appliances
- ◆Power system    ◆Industrial control    ◆UPS

**Reference cross: JQC-21F   812H   SRUDH   SRU   HM810**

## Specifications

### ◆ Contact Ratings

Number of poles	1 Pole		
Arrangement	1 Form A, 1 Form B ,1 Form C		
Initial contact resistance, max.(by voltage drop 6VDC/1A)	50m Ω		
Contact material	Silver alloy		
Rating (resistive load)	Nominal switching capacity	10A 250VAC 15A 125VAC	10A 28VDC TV-5 120VAC
	Max. switching power	2500VA	
	Max. switching voltage	250VAC	
	Max. switching current	15A	
Expected life (min.operations)	Mechanical (at 300cpm)	1 × 10 <sup>7</sup>	
	Electrical (resistive load)	1 × 10 <sup>5</sup>	

### ◆ Coil data(Special coil power available)

<b>1、 Standard</b>				
Rated voltage (VDC)	5	9	12	24
Rated current (mA)	72	40	30	15
Coil resistance ( Ω ) ± 10%	69	225	400	1600
Must operate voltage	75% max. of rated voltage			
Must release voltage	5% min. of rated voltage			
Max voltage	130% of rated voltage			
<b>Power consumption</b>	<b>0.36W</b>	<b>0.36W</b>	<b>0.36W</b>	<b>0.36W</b>

### ◆ Characteristics

<b>Item</b>	1 pole	
Initial insulation resistance	Min.100 M Ω (at 500VDC)	
Dielectric strength	Between open contacts	750VAC 1 Min.
	Between coil and contacts	1500VAC 1 Min.
Operate time (at nominal voltage)	<b>10ms</b>	
Release time (at nominal voltage)	<b>5ms</b>	
Temperature rise (at nominal voltage)	40K max. (at 20°C)	
Shock resistance	Functional	100 m/ S <sup>2</sup>
	Destructive	1000 m/ S <sup>2</sup>
Vibration resistance	Functional	10 to 55Hz, at double amplitude 1.5mm
	Destructive	

Ambient temperature	-40°C ~ +85°C
Humidity	45% to 85% RH
Termination	PCB
Unit weight	Approx. 10g

**Ordering information**

**HRW — X — 1 X X X**

**1 2 3 4 5**

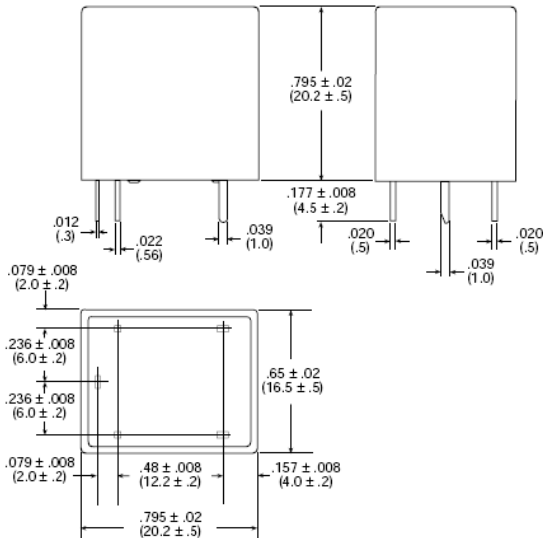
- Product type: HRW**
- Enclosure**  
 SS—Sealed plastic case      Blank—Vented plastic case
- Coil Voltage**  
 05—5VDC    09—9VDC    12—12VDC    24—24VDC
- Contact arrangement**  
 L—1 Form C    LM—1 Form A    LB—1 Form B
- Special Code: 1**

*Note: Any special requests, please contact us.*

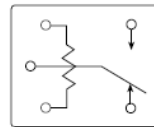
**Outline Dimensions, PCB Layout and Wiring Diagram**

**(Dimensions are in millimeters , to convert millimeters to inches divide by 25.4)**

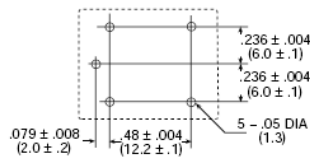
Outline Dimensions



Wiring Diagram (Bottom View)



PC Board Layout (Bottom View)



Note: Only necessary terminals are present on 1 Form A (SPST-NO) models.