



**INDUSTRIAL RELAYS**

UL & CUL File #E223388

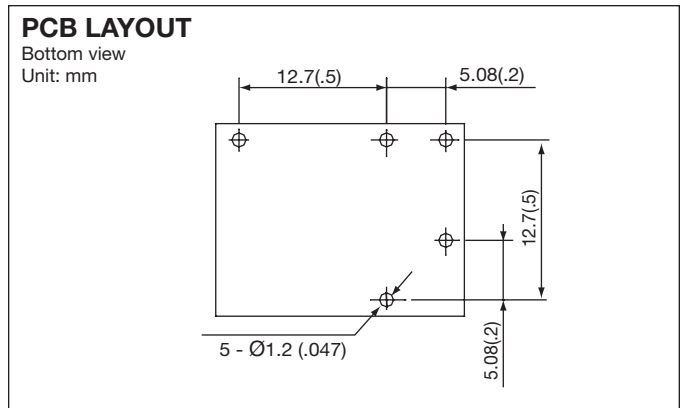
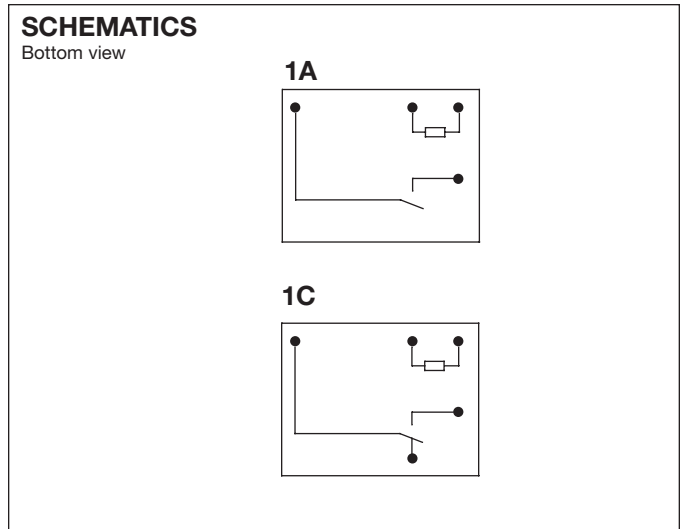
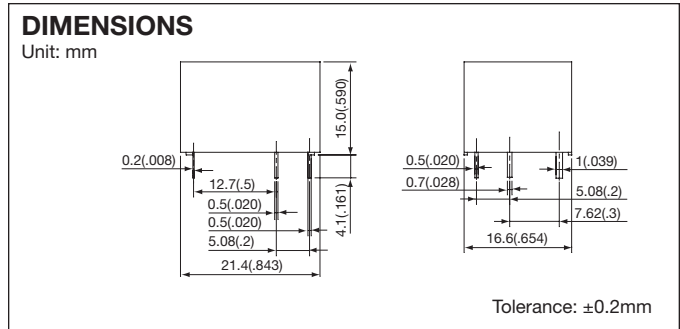
**FEATURES**

1. 12 Amps small size relay.
2. 1A (SPST-NO), 1C (SPDT) arrangements.
3. Standard coils consume low power in small package.
4. Nominal power 450mW.
5. Operating power 250mW.

**ORDERING INFORMATION**

**RH 1C - 12 S**  
**(1) (2) (3) (4)**

- (1) Basic Designation**  
RH = RH Series
- (2) Contact Arrangement**  
1A = 1 Form A (SPST-NO)  
1C = 1 Form C (SPDT)
- (3) Coil Voltage**  
3~48V
- (4) Enclosure**  
Nil = Unsealed  
S = Sealed Type



**COIL RATINGS (AT 20°C)**

Coil Type	Coil Nominal Voltage (V)	Coil Resistance (Ω ± 10%)	Pick-up Voltage (V) ≤	Drop-Out Voltage (V) ≥	Nominal Power (W)
DC Standard Coils (0.45Ω)	3	20	75% MAX	5% MIN	0.45
	5	55			
	6	80			
	9	180			
	12	320			
	24	1150			
	48	5120			

\* Max continuous Voltage at 20°C: 130% of Coil Nominal Voltage.



### CONTACT RATINGS

Contact Arrangement	1A (SPST-NO)	1C (SPDT)
Max. Switching Power	1750VA 330W	
Max. Switching Current	12A	
Contact Resistance	≤50mΩ	
UL/C-UL Rating	12A / 125VAC	
Resistive Load	7A / 250VDC 12A / 28VAC	
Contact Material	silver alloy	

### CHARACTERISTICS

Electrical Life	1 x 10 <sup>5</sup> min.
Mechanical Life	1 x 10 <sup>7</sup> min.
Initial Insulation Resistance	Min. 100MΩ 500VDC
Contact Resistance (Initial)	≤50mΩ
Operate Time	≤10ms max.
Release Time	≤5ms max.
Initial Dielectric Strength	50/60Hz 1000VAC 1 min. (between open contacts) 50/60Hz 2000VAC 1 min. (between coil and contact)
Vibration Resistance	Malfunction: 10 to 55Hz at double Amplitude of 1.5mm Destructive: 10 to 55Hz at double Amplitude of 1.5mm
Shock Resistance	Malfunction: Min. 10G (11ms) Destructive: Min. 100G (6ms)
Ambient Temperature	-40°C ~ +85°C
Unit Weight	Approx. 10g