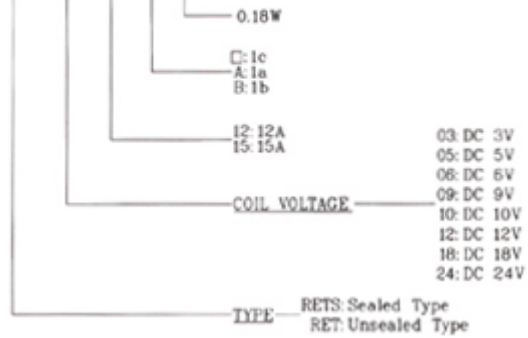


RET-L SERIES

ORDER CODE

RET-12-12-A-L



- Main Features:
- UL, CUR & TUV safety approval.
 - TV-5 rating available.
 - High sensitivity type.
 - Sealed type with knock-off nib vent.

COIL RATING (at 20°C)

Nominal Voltage (VDC)	Coil resistance (Ω) (+-10%)	Power Consumpt -10N (W)	Nominal Current (mA)(+-10%)	Pull In Voltage (VDC)	Drop Out Voltage (VDC)	Max Allowable Voltage (VDC)
3V	50 Ω	0.18W	60mA	75% Max.	10% Min.	110%
5V	139 Ω		36mA			
6V	200 Ω		30mA			
9V	450 Ω		20mA			
10V	556 Ω		18mA			
12V	800 Ω		15mA			
18V	1800 Ω		10mA			
24V	3200 Ω		7.5mA			

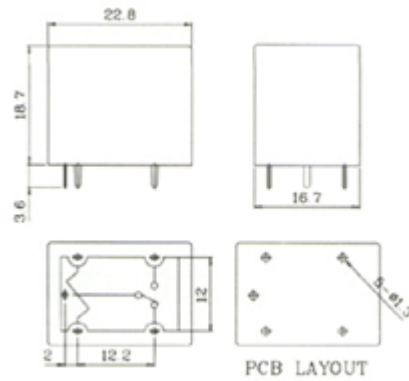
PERFORMANCE (at initial value)

Item \ Type	12A	15A
Contact Resistance	50m Ω Max (initial value)	
Operate Time	10m sec Max.	
Release Time	10m sec Max.	
Dielectric Strength between coil & contact between contact	Ac1500V (1min.) Ac750V (1min.)	
Insulation Resistance	100M Ω Min. (DC500V)	
Operating Ambient Temperature	-30°C ~ +80°C	
Humidity	35 to 85% RH	
Vibration Resistance	10G (10~55Hz) (Dual amplitude: 1.5mm)	
Shock Resistance	10G	
Life Expectancy Mechanically	10,000,000 ops . Min. (1800 ops./h)	
Electrically	100,000 ops. Min. (1200 ops./h)	
Weight	11.5g (about)	

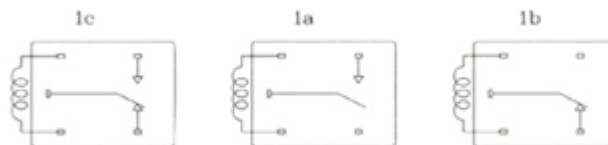
CONTACT RATING

Item \ Type	12A	15A
Rated Carrying Current	AC 250V 7A AC 120V 12A DC30V 12A	AC 250V 10A AC 120V 15A DC30V 15A
Max. Allowable Current	17A	20A
Max. Allowable Voltage	AC 240V DC 110V	
Max Current (continual)	12A	15A
Contact Material	Ag Alloy	

DIMENSIONS (Unit: mm)



WIRING DIAGRAMS (Bottom View)



REFERENCE DATA

