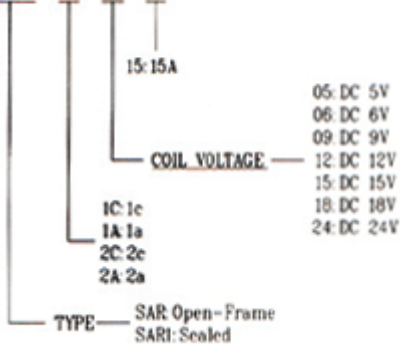


SAR1 SERIES

ORDER CODE

SAR1-1C-12-15



Main Features

- Open type or flux free type all available.
- PCB terminal available.
- Single contact and double contacts type offer switching capacity by 15amps in small size for exclusive automobile control relay switching box use.
- Application: Car alarm system, Automatic door locking, Automatic car windows control ect...

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)
5V	27 Ω	1.93W (about)	185mA	70% Max.	5% Min.	150%
6V	40 Ω		150mA			
9V	97 Ω		93mA			
12V	155 Ω		77mA			
15V	255 Ω		59mA			
18V	380 Ω		47mA			
24V	660 Ω		36mA			

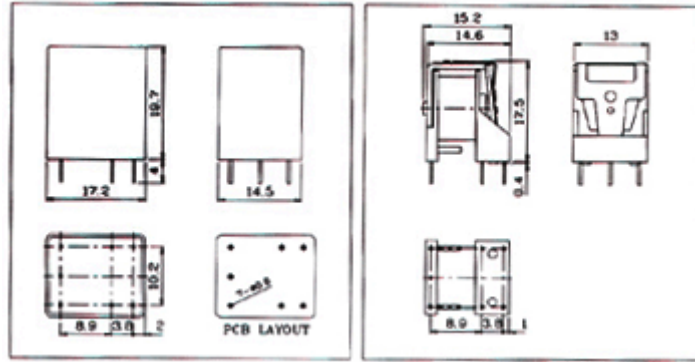
PERFORMANCE (at initial value)

Item \ Type	15A (total)
Contact Resistance	100m Ω Max (initial value)
Operate Time	10m sec Max.
Release Time	5m sec Max.
Dielectric Strength between coil & contact between contact	Ac500V (1min.) Ac1000V (1min.)
Insulation Resistance	100M Ω Min. (DC500V)
Operating Ambient Temperature	-25°C ~ +80°C
Humidity	45 to 85% RH
Vibration Resistance	10G (10~50Hz) (Dual amplitude: 1.5mm)
Shock Resistance	10G
Life Expectancy Mechanically Electrically	10,000,000 ops . Min. (1800 ops./h) 100,000 ops. Min. (1200 ops./h)
Weight	5.5g (about)

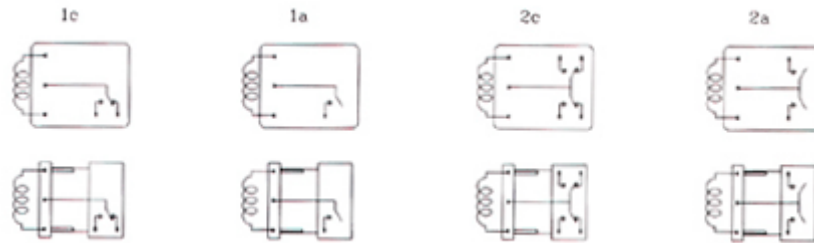
CONTACT RATING

Item \ Type	15A (total)
Rated Carrying Current	AC 120V 15A DC12V 15A
Max. Allowable Current	20A
Max. Allowable Voltage	AC 120V DC 28V
Max Current (continual)	15A
Contact Material	Ag Alloy

DIMENSIONS (Unit: mm)



WIRING DIAGRAMS (Bottom View)



REFERENCE DATA

