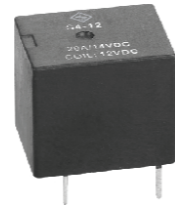




ARTICLE CODE

S4 - 12 A

S4 Series



Nil:1C
A:1A
B:1B

Coil voltage
6,9,12,24 VDC

Model Name:S4

Main Features:

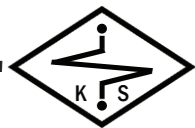
- Automotive relay
- Contact rating up to 20amps
- Size:15.5X12X13.7
- High performance and low profile

COIL RATING(at 20°C)

Nominal Voltage (VDC)	Coil Resistance (Ω)(±10%)	Power Consumption(W)	Nominal Current (mA)(±10%)	Pull In Voltage (VDC)	Drop Out Voltage (VDC)	Max. Allowable Voltage (VDC)
6V	60 Ω	0.6W	100.0mA	75% MAX	10% MIX	110%
9V	135Ω		66.7mA			
12V	240Ω		50.0mA			
24V	960Ω		25.0mA			

PERFORMANCE(at initial value)

Item	Type	20A
Contact Resistance		100mΩ Max.(Initial Value)
Operate Time		10msec Max.
Release Time		5msec Max.
Dielectric Strength between Coil & Contact between Contact		1000VAC(00/60Hz 1min) 500VAC(50/60Hz 1min)
Insulation Resistance		100MΩ Min.(DC500V)
Operating Ambient Temperature		-30°C~+85°C (No Freezing)
Vibration Resistance		10G(10~55Hz) (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		6g(approx.)

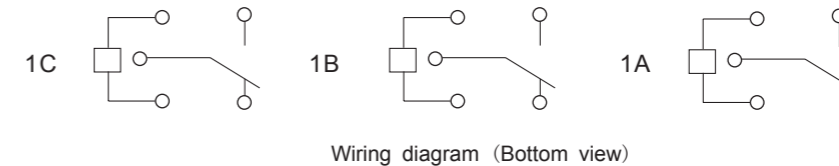
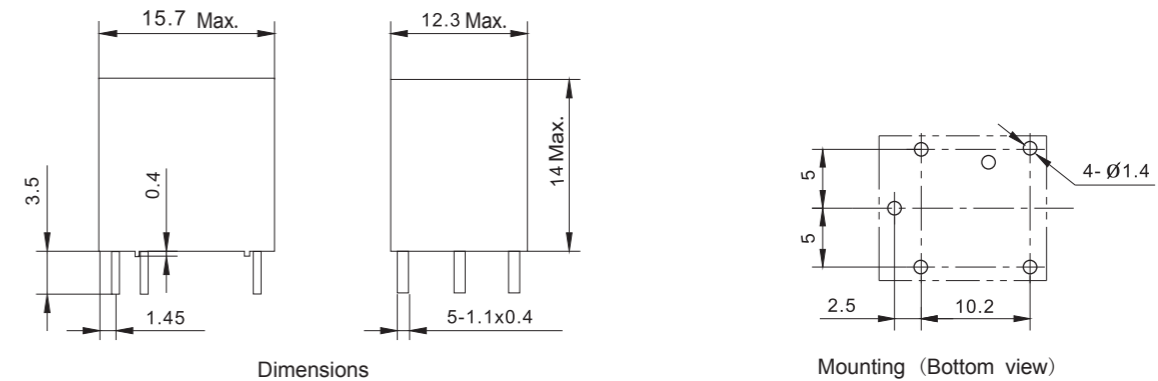


CONTACT RATING

Item	Type	20A
Rated Carrying Current		20A/14VDC
Max. Allowable Current		25A
Max. Allowable Voltage		42VDC 380VAC
Max. Current(Continual)		20A
Min. Load		DC 10V 10mA
Contact Material		Ag alloy

OUTLINE DIMENSION, WIRING DIAGRAM & PC BOARD LAYOUT

Unit: mm



Remark: 1) In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.
2) The tolerance without indicating for PCB layout is always ±0.1mm.

CHARACTERISTIC CURVES

