

SG4 SERIES

ORDER CODE

SG4-12-20-A

A: 1a

20: 20A

COIL VOLTAGE

TYPE

05: DC 5V
06: DC 6V
09: DC 9V
12: DC 12V
18: DC 18V
24: DC 24V



Main Features:

- 1 form A (SPST) contact.
- Heavy-duty 20amps miniature high power relay.
- Surge strength 4,500 VAC.
- PCB terminal and quick connect terminal.

COIL RATING (at 20°C)

NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (Ω)(±10%)	POWER CONSUMPT -ION(W)	NOMINAL CURRENT (mA)(±10%)	PULL IN VOLTAGE (VDC)	DROP OUT VOLTAGE (VDC)	MAX. ALLOWABLE VOLTAGE (VDC)
5V	27.7 Ω	0.9W	180.5mA	70% MAX.	10% MIN.	110%
6V	40.0 Ω		150.0mA			
9V	90.0 Ω		100.0mA			
12V	160.0 Ω		75.0mA			
18V	360.0 Ω		50.0mA			
24V	640.0 Ω		37.5mA			

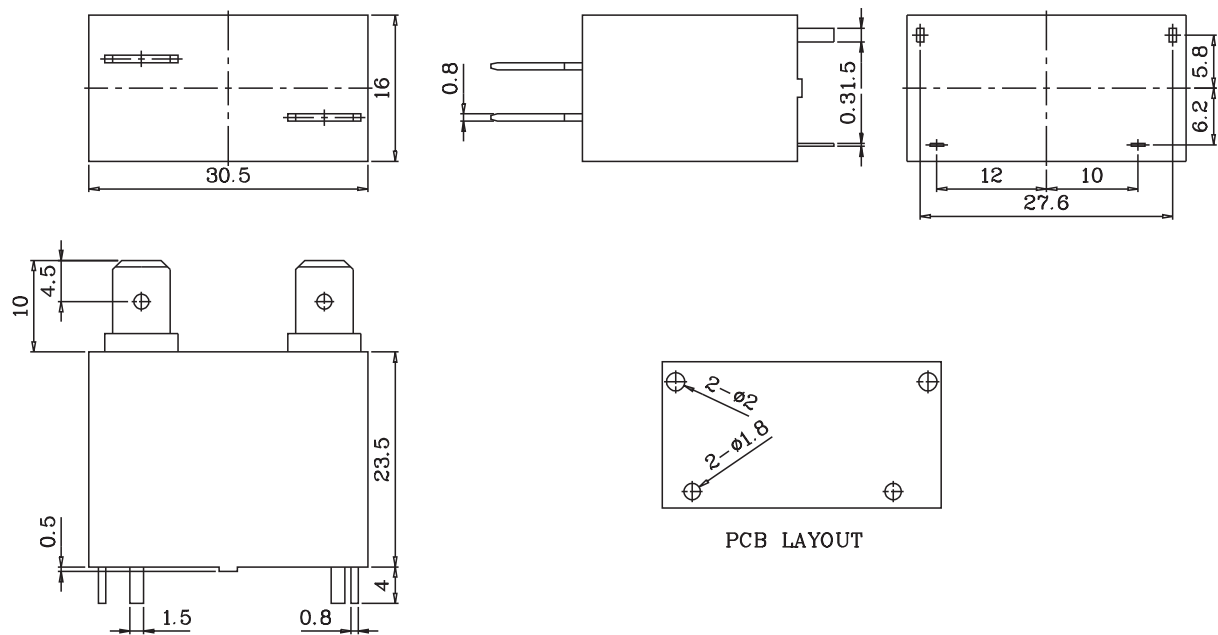
PERFORMANCE (at initial value)

Item	Type	20A
Contact Resistance		100mΩ Max. (initial value)
Operate Time		20msec Max.
Release Time		15msec Max.
Dielectric Strength between coil & contact between contact		AC4500V (1min) AC1000V (1min)
Insulation Resistance		1000MΩ Min.(DC500V)
Operating Ambient Temperature		-25°C ~ +55°C
Humidity		35 to 85% RH
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		22g

CONTACT RATING

Item \ Type	20A
Rated Carrying Current	AC250V 20A
Max. Allowable Current	25A
Max. Allowable Voltage	AC250V
Max. Current (continual)	20A
Contact Material	Ag Alloy

DIMENSIONS(Unit: mm)



WIRING DIAGRAMS(Bottom View)

