

ARTICLE CODE

S14 - 1C - 12 16 L

S14 Series



Nil:0.72W  
L:0.54W  
16:16A(1C)  
10:10A(1C)  
05: 5A(2C)  
Coil Voltage  
3,5,6,9,12,24,48VDC  
1A:1A;1C:1C;1B:1B;  
2A:2A;2C:2C;2B:2B;  
Model Name:S14

Main Features:

- Slim type and small occupying area can offer high density P.C.B. technique.
- 2 pole 5A, 1 pole 10A&16A.
- Dielectric strength:5,000VAC.

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)
	0.72W	0.54W		0.72W	0.54W			
3V	12.5Ω	17Ω	Nil:0.72W L:0.54W	240.0mA	176.4mA	80% MAX	5% MIN	130%
5V	36.0Ω	47Ω		138.9mA	106.4mA			
6V	50.0Ω	68Ω		120.0mA	88.2mA			
9V	115.0Ω	155Ω		78.3mA	58.1mA			
12V	200.0Ω	270Ω		60.0mA	44.4mA			
24V	820.0Ω	1100Ω		29.2mA	21.8mA			
48V	3300.0Ω	4400Ω		14.5mA	10.9mA			

PERFORMANCE(at initial value )

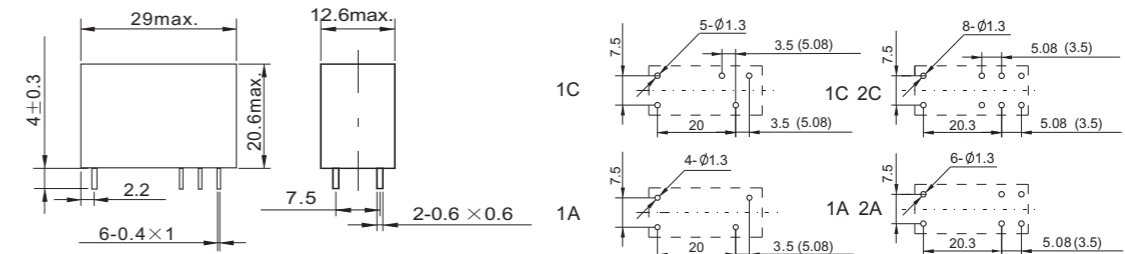
Item	Type	5A(2C)	10A(1C)	16A(1C)
Contact Resistance		100mΩ Max.(Initial Value)		
Operate Time		15msec Max.		
Release Time		8msec Max.		
Dielectric Strength between Coil & Contact between Contact		5000VAC(1min) 1000VAC(1min)		
Insulation Resistance		1000MΩ Min.(DC500V)		
Operating Ambient Temperature		-40°C ~+70°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		13g(approx.)		

CONTACT RATING

Item	Type	5A(2C)	10A(1C)	16A(1C)
Rated Carrying Current		5A/250VAC 5A/30VDC	10A/250VAC 10A/30VDC	16A/250VAC 16A/30VDC
Max. Allowable Current		5A	10A	16A
Max. Allowable Voltage		380VAC 125VDC		
Max. Current(Continual)		5A	10A	16A
Max.Allowable Power		1250VAC, 150W	2500VAC, 300W	4000VAC, 480W
Contact Material		Ag alloy		

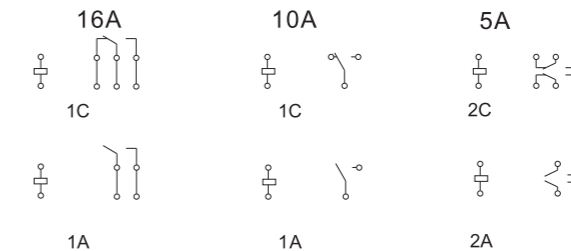
OUTLINE DIMENSION, WIRING DIAGRAM & PC BOARD LAYOUT

Unit: mm



Dimensions

Mounting (Bottom view)

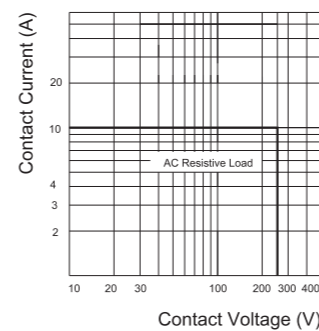


Wiring diagram (Bottom view)

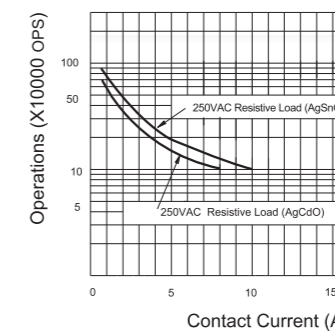
Remark: 1) In case of no tolerance shown in outline dimension: outline dimension ≤1mm, tolerance should be ±0.2mm; outline dimension >1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension >5mm, tolerance should be ±0.4mm.

CHARACTERISTIC CURVES

MAXIMUM SWITCHING POWER



ENDURANCE CURVE



COIL TEMPERATURE RISE

