

TNC SERIES

ORDER CODE

TNC - 2C - 24 - 08 - W

1A: 1a
1B: 1b
1C: 1c
2A: 2a
2B: 2b
2C: 2c

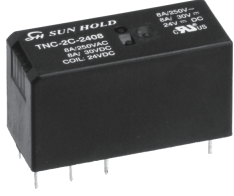
TYPE

□: PIN PITCH 3.5mm
W: PIN PITCH 5mm(ONLY 12A:1c)

08: 8A (2c)
12: 12A (1c)
16: 16A (1c)

COIL VOLTAGE

05: DC 5V
06: DC 6V
09: DC 9V
12: DC 12V
24: DC 24V
48: DC 48V



Main Features:

- Slim type and Low profile (29.00 × 12.70 × 15.70) is developed to provide end user with more flexibility in PCB design.
- SPST through DPDT contact arrangements.
- 1pole (16amps) and 2pole (8amps) version are available with switching.
- 5,000 VAC dielectric strength (contact to coil).

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	63Ω	0.40W	79.4mA	70% MAX.	10% MIN.	110%
6V	90Ω		66.7mA			
9V	203Ω		44.3mA			
12V	360Ω		33.3mA			
24V	1440Ω		16.7mA			
48V	5520Ω	0.42W	8.7mA			

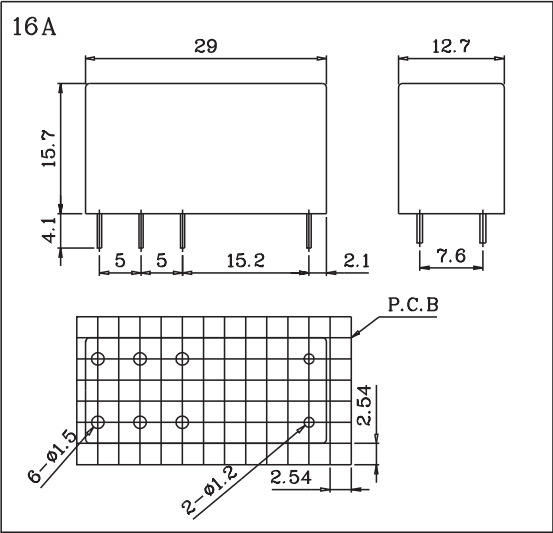
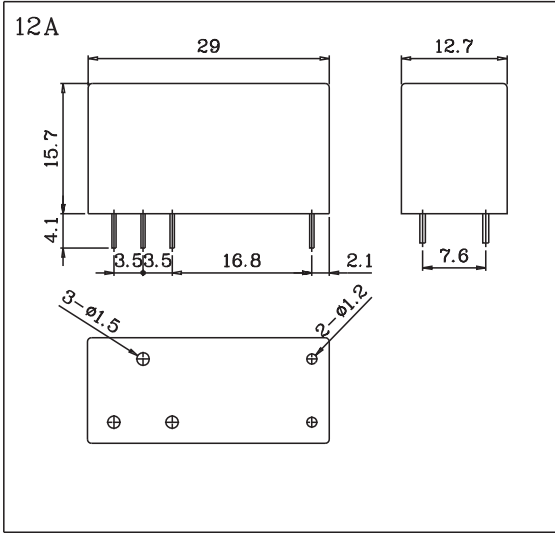
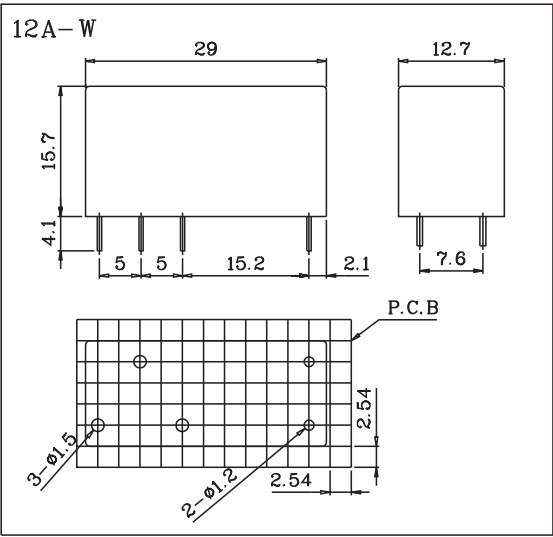
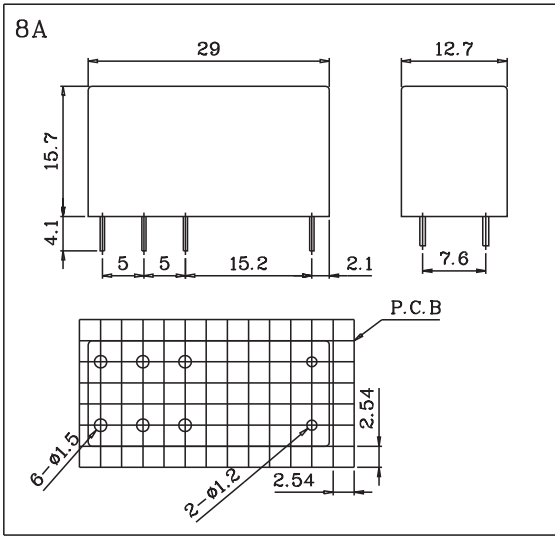
PERFORMANCE(at initial value)

Item \ Type	8A(2c)	12A(1c)	16A(1c)
Contact Resistance	100mΩ Max.(initial value)		
Operate Time	20msec Max.		
Release Time	8msec Max.		
Dielectric Strength between coil & contact between contact	AC5000V (1min) AC1000V (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	30,000,000 ops. Min.(72000 ops./h) 100,000 ops. Min.(360 ops./h)		
Weight	13.5g(about)		

CONTACT RATING

Item \ Type	8A(2c)	12A(1c)	16A(1c)
Rated Carrying Current	AC250V 8A DC30V 8A	AC250V 12A DC30V 12A	AC250V 16A DC30V 16A
Max. Allowable Current	8A	12A	16A
Max. Allowable Voltage	AC 250V DC 110V		
Max. Current (continual)	8A	12A	16A
Min. Load	DC 10V 10mA		
Contact Material	Ag alloy		

DIMENSIONS(Unit: mm)



WIRING DIAGRAMS(Bottom View)

