

TNC SERIES

ORDERING INFORMATION

TNC - [] - [] [] []

Nil : PIN PITCH 3.5mm
L : PIN PITCH 5.0mm(ONLY 12A :1C)

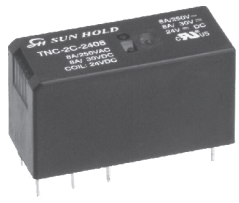
08: 8A (2C)
12:12A (1C)
16:16A (1C)

COIL VOLTAGE

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

1A: 1 Form A (SPST-NO)
1B: 1 Form B (SPST-NC)
1C: 1 Form C (SPDT)
2A: 2 Form A (DPST-NO)
2B: 2 Form B (DPST-NC)
2C: 2 Form C (DPDT)

TYPE



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).
- RoHS 2011/65/EU compliant

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	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			

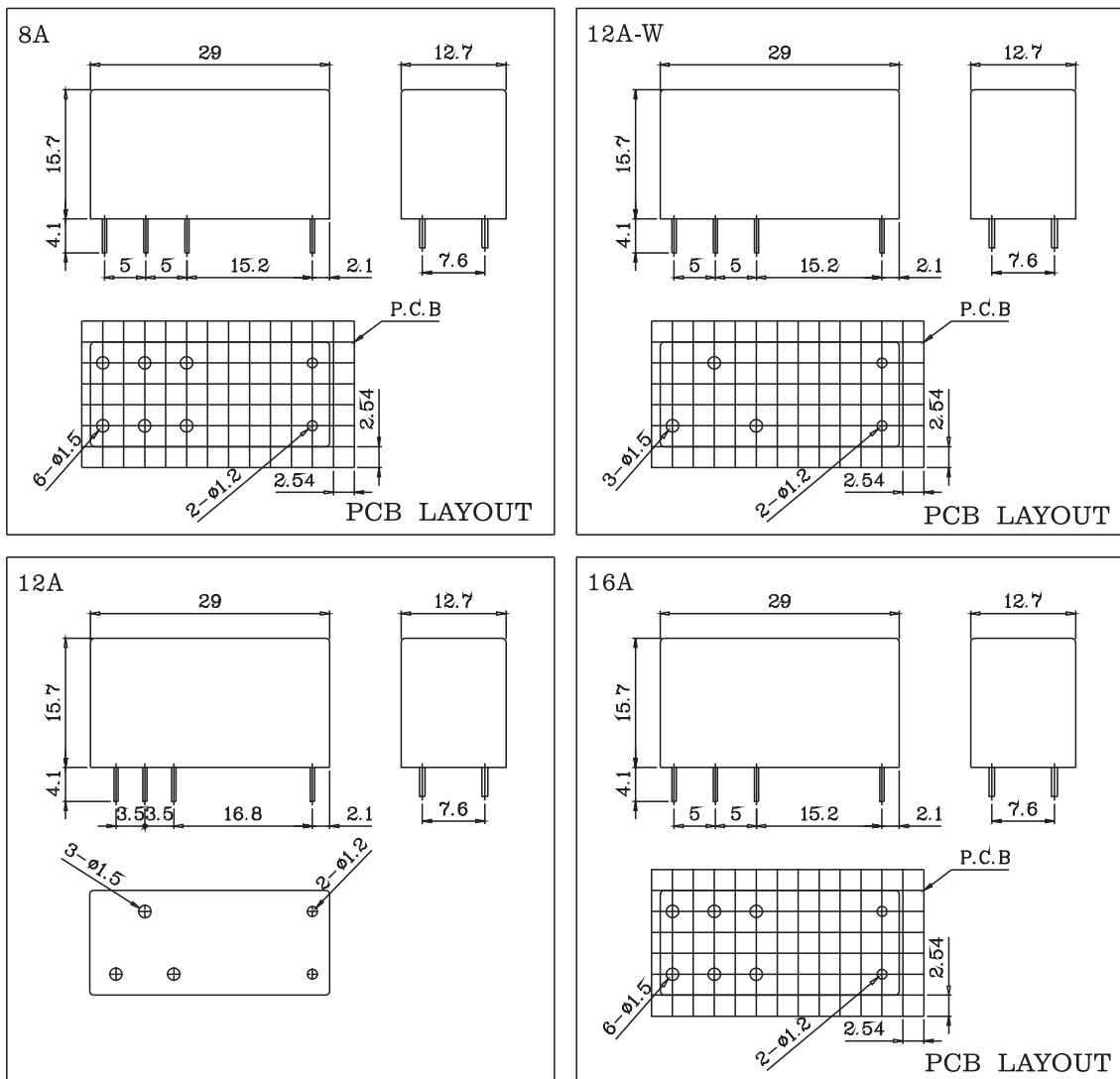
PERFORMANCE(at initial value)

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(approx.)		

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	AC250V DC110V		
Max. Current(continual)	8A	12A	16A
Min. Load	DC 10V 10mA		
Contact Material	Ag Alloy		

DIMENSIONS(Unit:mm)



WIRING DIAGRAMS(Bottom View)

