

# TR692

## MAIN FEATURES

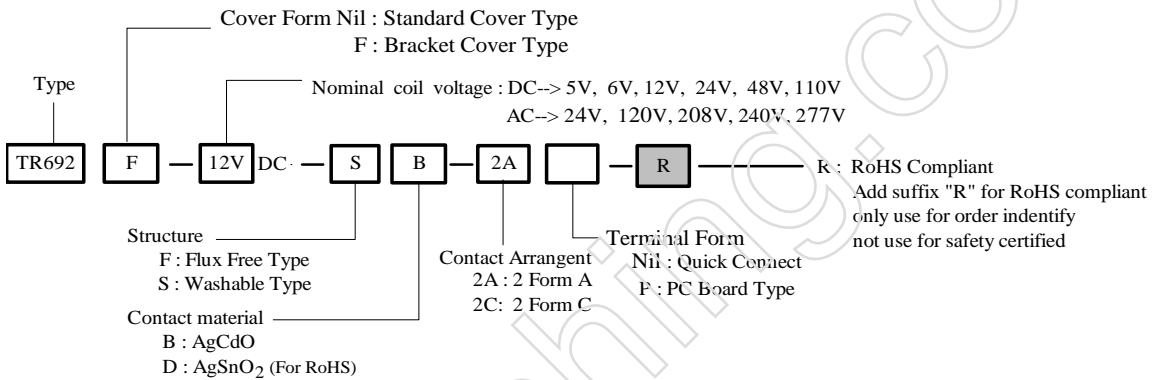
- 30A switching capabilities.
- DPST-NO and DPDT configurations.
- Meets 8mm creepage distance, 4KV dielectric.
- Meets Class F construction.
- Dust cover or sealed version; PCB or QC terminal.
- UL & cUL recognized.



## APPLICATIONS

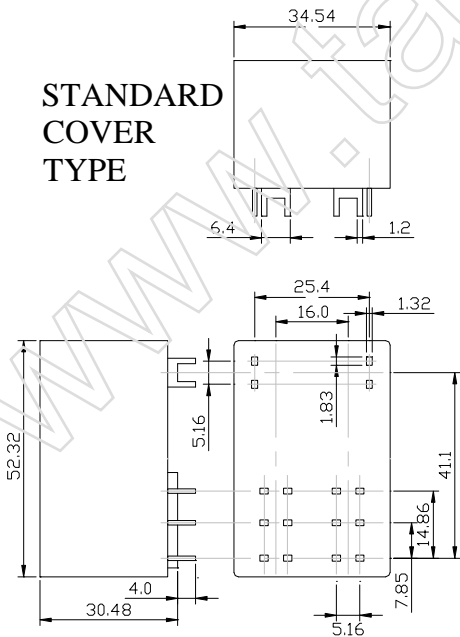
- Used for power switching, Electrical Heater, ventilator, Air conditioning, Refrigerating, Automobile and House-hold Appliance.

## ORDERING INFORMATION

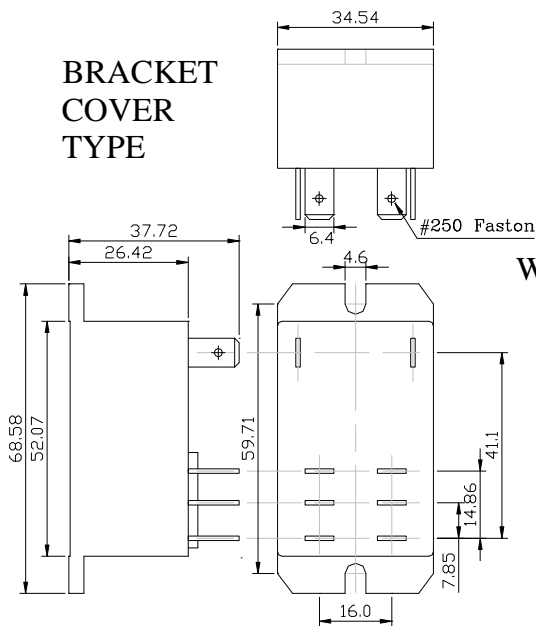


## OUTLINE DIMENSION, WIRING DIAGRAM AND PC BOARD LAYOUT

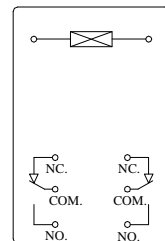
STANDARD COVER TYPE



BRACKET COVER TYPE



WIRING DIAGRAM



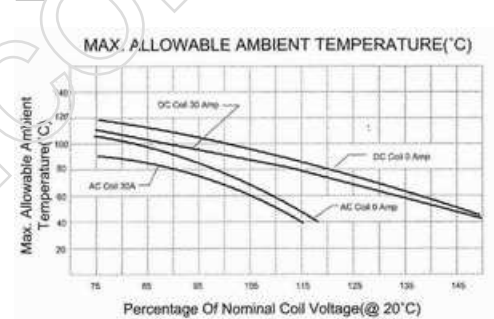
## COIL DATA CHART (AT20°C)

Coil Sensitivity	Coil Voltage Code	Nominal Current (mA)	Coil Resistance ( $\Omega$ ) $\pm 10\%$	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
TR692 DC TYPE	5	326.8	15.3	abt. 1.7W	75% Max.	10% Min.	110% but for short time carrying current
	6	272.7	22				
	12	139.5	86				
	24	68.6	350				
	48	34.5	1390				
	110	15.2	7255				
TR692 AC TYPE (60Hz)	24	—	39	abt. 4.0VA	80% Max.	20% Min.	110% but for short time carrying current
	120	—	950				
	208	—	2841				
	240	—	3800				
	277	—	5485				

## CONTACT RATING

Item	Type	TR692	
		2A	2C
Contact Rating (Res. Load)		NO: 30A 277VAC ; 1HP 120VAC 2.5HP 240VAC NC: 3A 277VAC	
Max. Switching Voltage		277VAC / 28VDC	
Max. Switching Current		30A	
Max. Switching Power		8310VA / 560W	
Contact Material		Ag Alloy	

## REFERENCE DATA



## PERFORMANCE (at initial value)

Item	Type	TR692
Initial Contact Resistance(Max.)		50m $\Omega$ (at 1A 6VDC)
Operate Time (at nomi. Vot.)		15msec.
Release Time (at nomi. Vot.)		10msec.
Dielectric Strength		
Between coil and contacts		4000Vrms (1 minute).
Between open contacts		1500Vrms (1 minute).
Between contact poles		2000Vrms (1 minute).
Initial Insulation Resistance		1000 M $\Omega$ (500VDC).
Ambient Temperature		AC : -40°C to +65°C. DC : -40°C to +85°C.
Humidity		35 to 85%, +40°C.
Temperature Rise (at nomi. Vot.)		AC : 85°C. Max. DC : 65°C. Max.
Vibration Resistance		10 to 55Hz Double Amplitude 1.65mm.
Shock Resistance		
Functional		100 m/s <sup>2</sup>
Destructive		1000 m/s <sup>2</sup>
Life Expectancy		
Mechanically		5 $\times$ 10 <sup>6</sup> ops.
Electrically		1 $\times$ 10 <sup>5</sup> ops.
Unit Weight		abt. 86grs.
UL & cUL		E156406

This datasheet for reference and subject to change without notice. Please double check final specification with Tai-Shing.