



TR692

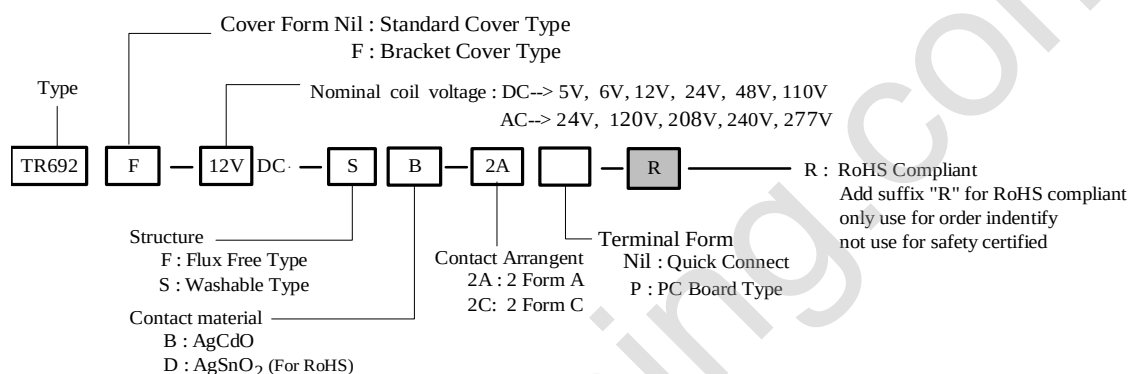
MAIN FEATURES

- 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.

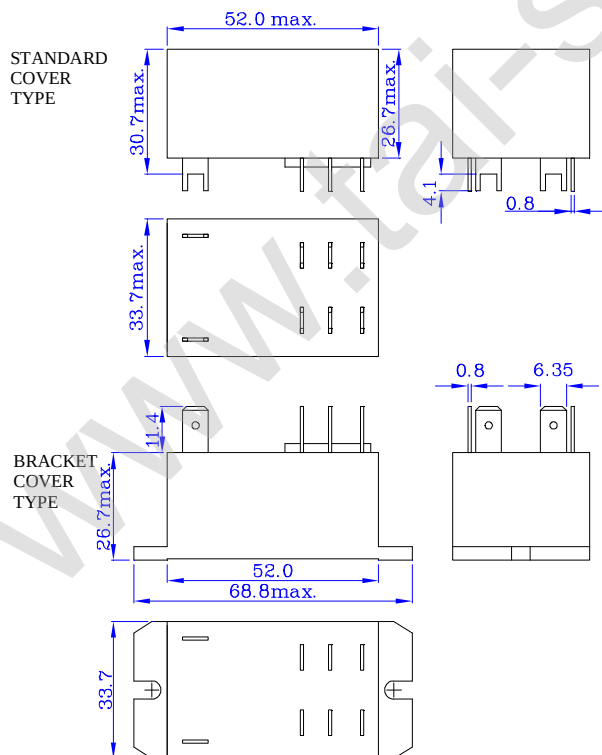
ORDERING INFORMATION



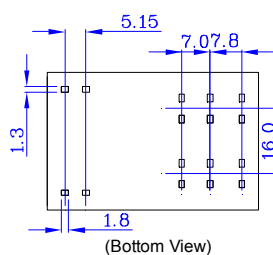
DIMENSION(unit:mm)

DRILLING(unit:mm)

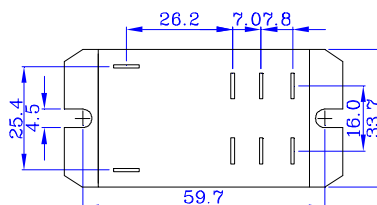
WIRING DIAGRAM



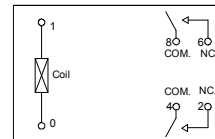
PCB LAYOUT



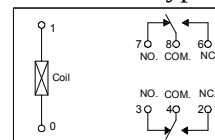
PINOUT



2 Form A Type



2 Form C Type



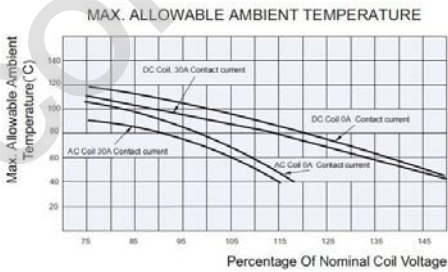
➤ **COIL DATA CHART**(at 20℃)

Coil Sensitivity	Coil Voltage Code	Nominal Current (mA)	Coil Resistance (Ω) ±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	—	35.7	abt. 4.0VA	80% Max.	20% Min.	110% but for short time carrying current
	120	—	830				
	208	—	2600				
	220	—	2870				
	240	—	3800				
	277	—	4700				

➤ **CONTACT RATING**

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

➤ **REFERENCE DATA**



➤ **PERFORMANCE** (at initial value)

Item \ Type	TR692
Initial Contact Resistance(Max.)	50mΩ. (at 1A 24VDC)
Operate Time (at nomi. Vot.)	DC Type :25msec max.
Release Time (at nomi. Vot.)	DC Type :25msec max.
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 MΩ (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 : 85K max. DC : 65K max.
Vibration Resistance	10 to 55Hz Double Amplitude 1.65mm.
Shock Resistance	Functional 98 m/s ² Destructive 980 m/s ²
Life Expectancy	Mechanically 5 × 10 ⁶ ops. Electrically 1 × 10 ⁵ 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.
(0939AA08VOL01)