



TRG7

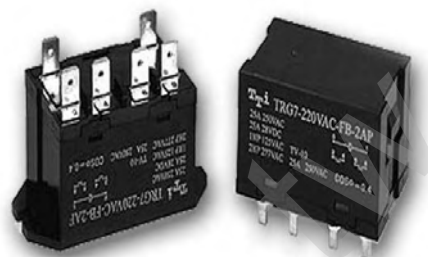
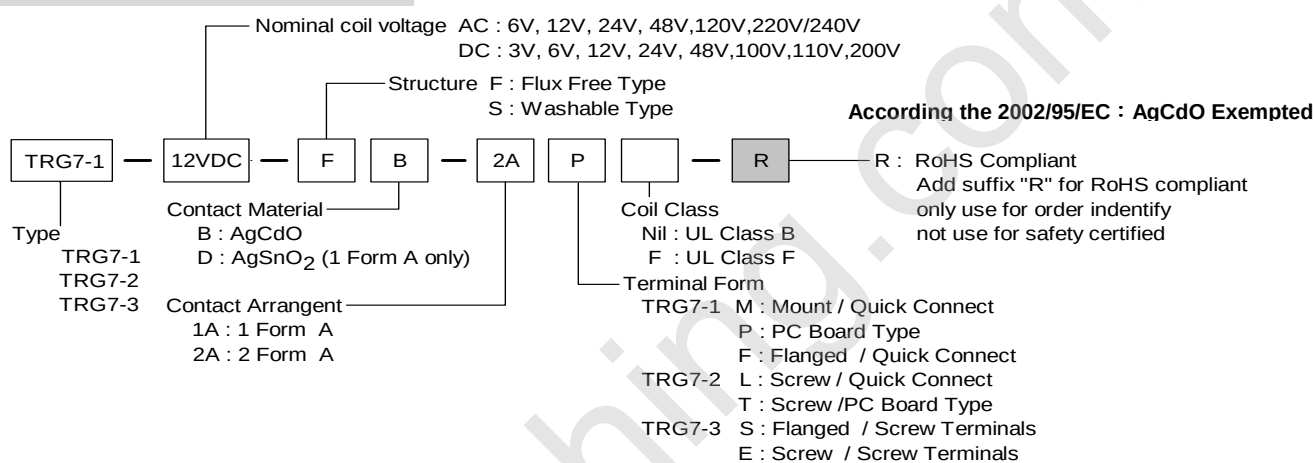
MAIN FEATURES

- 30A switching capabilities
- SPST-NO and SPDT configurations
- 4KV dielectric coil to contacts
- Heavy load up to 7500VA
- UL & cUL recognized.

APPLICATIONS

- Home appliance: Air conditioners, Microwave ovens, TV-set, Heaters, Stereo.
- Office equipment: Copiers, Vending Machine.
- U.P.S source circuit control , etc.

ORDERING INFORMATION

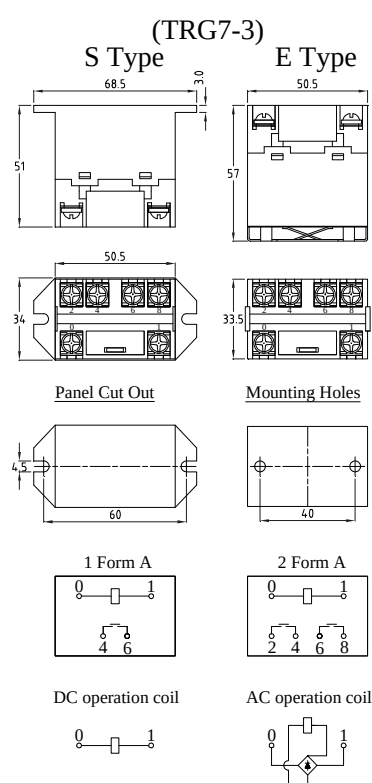
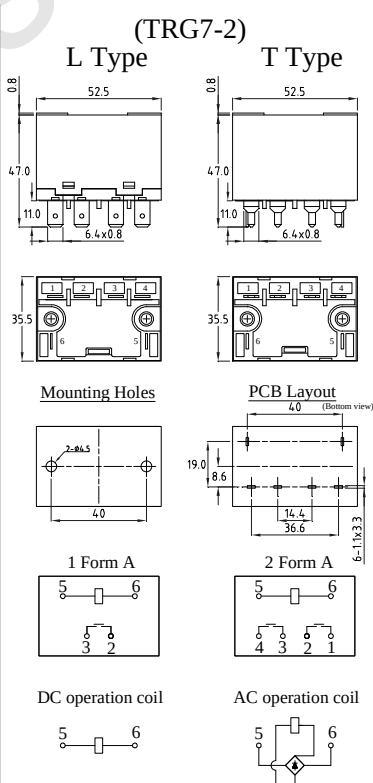
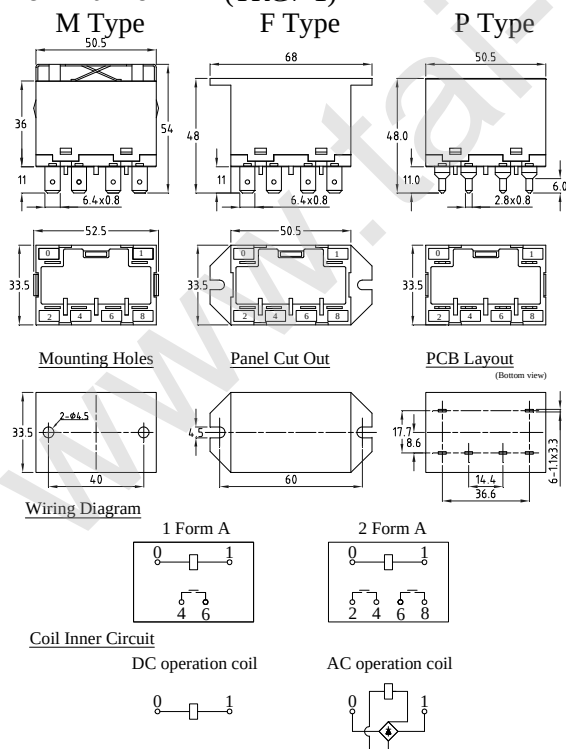


DIMENSION (unit:mm)

DRILLING (unit:mm)

WIRING DIAGRAM

Terminal Form



➤ **COIL DATA CHART**(at 20 °C)

Nominal Voltage	Pick-Up Voltage	Drop-out voltage	Nominal Current	Coil resistance	Power consumption	Max. allowable Voltage
AC Type (at 20 C)						
VAC	VAC(Max.)	VAC(Min.)	mA(+15%,-20%)	Ω (±10%)	(VA)	(VAC)
6	4.8	0.9	275	18.8	Approx. 2.7	110% of nominal voltage
12	9.6	1.8	138	75		
24	19.2	3.6	74	300		
48	38.4	7.2	39	1200		
120	96.0	18	22.1	5200		
220	176.0	48	9.5	20800		
DC Type (at 20 C)						
VDC	VDC(Max.)	VDC(Min.)	mA(±10%)	Ω (±10%)	(W)	(VDC)
3	2.25	0.3	638	4.7	Approx. 1.9	110% of nominal voltage
6	4.5	0.6	319	18.8		
12	9.0	1.2	160	75		
24	18.0	2.4	80	300		
48	36.0	4.8	40	1200		
100	75.0	10.0	19.23	5200		
110	82.5	12.0	17.46	6300		
200	150.0	20.0	9.52	21000		

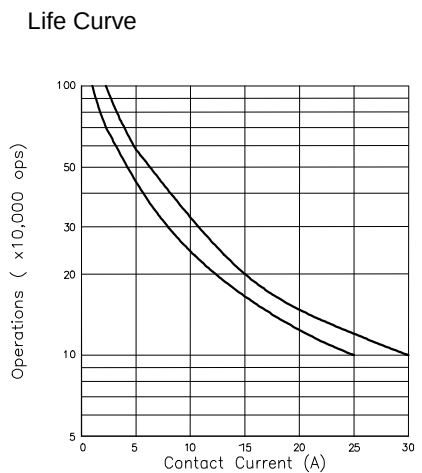
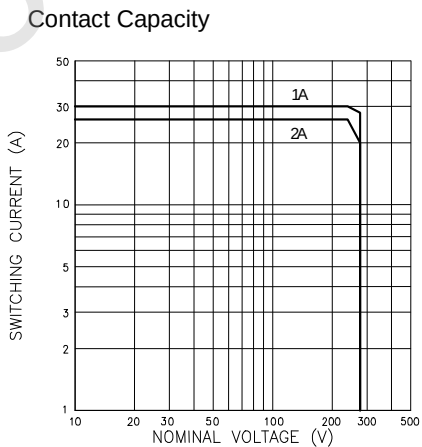
➤ **CONTACT RATING**

Item \ Type	TRG7	
	1 Form A	2 Form A
Contact Capacity	30A 277VAC	25A 277VAC
Resistive Load	3HP 240VAC	2HP 240VAC
(cosΦ=1)	TV-10 120VAC	TV-10 120VAC
Rated Carrying Current	30A	25A
Max. Allowable Voltage	277VAC	
Max. Allowable Current	30A	25A
Max. Allowable Power Force	8310VA	6925VA
Contact Material	Ag Alloy	

➤ **PERFORMANCE** (at initial value)

Item \ Type	TRG7
Contact Resistance	Max. 100mK
Operation time (at nominal voltage)	Max. 30msec
Release time (at nominal voltage)	Max. 30msec
Operating frequency	20 ops/minute
Insulation resistance	Min. 1000MK(at 500VDC)
Vibration resistance	10 Hz to 55 Hz, at double amplitude of 1.5mm
Shock resistance	98m/s ² Malfunction. 980m/s ² Mechanical.
Dielectric strength	4000VAC. For 1minute between coil and contacts. 2000VAC. For 1minute between open contacts.
Ambient temperature	-55°C to +70°C
Humidity	98%, +40°C
Life expectancy	
Mechanically	1 x 10 ⁶ operations
Electrically	1 x 10 ⁵ operations (at rated load)
Weight	
SCREW TYPE	abt 120grs.
PC BOARD TYPE	abt 100grs.
UL & cUL	E156406

➤ **REFERENCE DATA**



This datasheet for reference and subject to change without notice. Please double check final specification with Tai-Shing.
(1029A08VOL01)