



TRG7

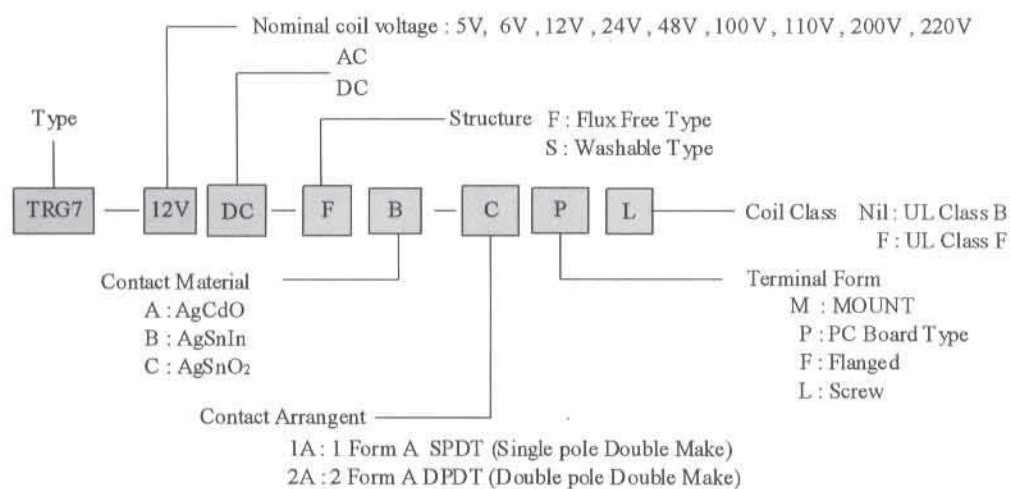
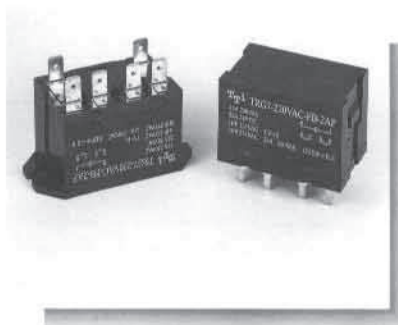
MAIN FEATURES

- 30A switching capabilities
- SPST-NO and SPDT configurations
- 4KV dielectric coil to contacts
- Heavy load up to 7500V

APPLICATIONS

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

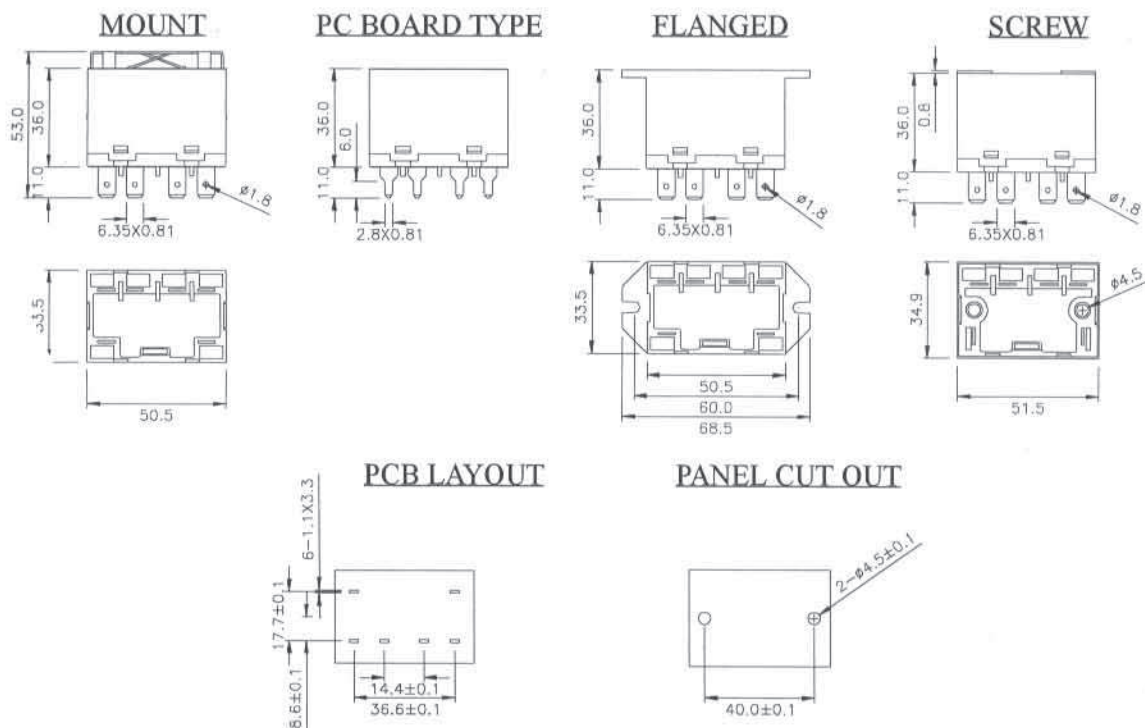
ORDERING INFORMATION



DIMENSION (unit:mm)

DRILLING (unit:mm)

WIRING DIAGRAM



■ COIL DATA CHART (AT20°C)

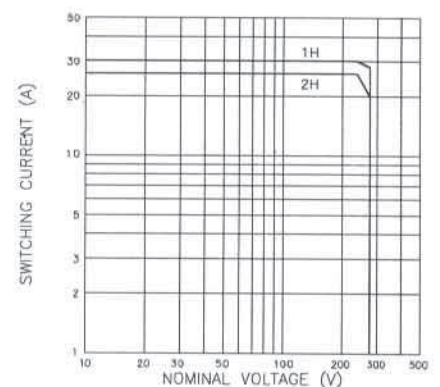
Nominal Voltage	Pick-Up Voltage	Drop-out voltage	Nominal Current	Coil resistance	Power consumption	Max. allowable voltage
AC Type (at 20 °C)						
VAC	VAC(Max.)	VAC(Min.)	mA(+15%,-20%)	Ω (± 10%)		(VAC)
6	4.80	0.9	275	18.8	Approx. 2.7VA	110% of nominal voltage
12	9.60	1.8	138	75		
24	19.20	3.6	74	300		
48	38.40	7.2	39	1200		
120	96.00	18	22.1	5200		
220	176.00	48	9.5	11000		
DC Type (at 20 °C)						
VDC	VDC(Max.)	VDC(Min.)	mA(± 10%)	Ω (± 10%)		(VDC)
5	3.75	0.5	1063.8	4.7	Approx. 1.9W	110% of nominal voltage
6	4.50	0.6	319	18.8		
12	9.00	1.2	160	75		
24	18.00	2.4	80	300		
48	36.00	4.8	40	1200		
100	75.00	10.0	19.23	5200		
110	82.50	12.0	17.46	6300		
200	150.00	20.0	9.52	21000		

■ CONTACT RATING

Item	Type	TRG7	
		1 FORM A	2 FORM A
Contact Capacity		250VAC 30A	250VAC 25A
Resistive Load ($\cos \phi = 1$)		28VDC 30A	28VDC 25A
Inductive Load ($\cos \phi = 0.4$ L/R=7msec)		250VAC 25A 120VAC 30A	250VAC 20A
Rated Carrying Current		30A	25A
Max. Allowable Voltage		250VAC, 28VDC	
Max. Allowable Current		30A	20A
Max. Allowable Power Force		7500VA, 840W	6250VA, 700W
Contact Material		Ag Alloy	

■ REFERENCIAL DATA

CONTACT CAPACITY



■ PERFORMANCE (at initial value)

Contact Resistance	Max. 100m Ω
Operate time (at nominal voltage)	Max. 30msec
Release time (at nominal voltage)	Max. 30msec
Operating frequency	20ops/minute
Insulation resistance	Min. 1000M Ω (at 500VDC)
Vibration resistance	10 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 to +70°C
Humidity	98% , +40°C
Life expectancy	Mechanical : 1X 10 ⁶ operations Electrical : 1X 10 ⁵ operations (at rated load)
Weight	About 120g SCREW TYPE 100g PC BOARD TYPE

LIFE CURVE

