



TRV

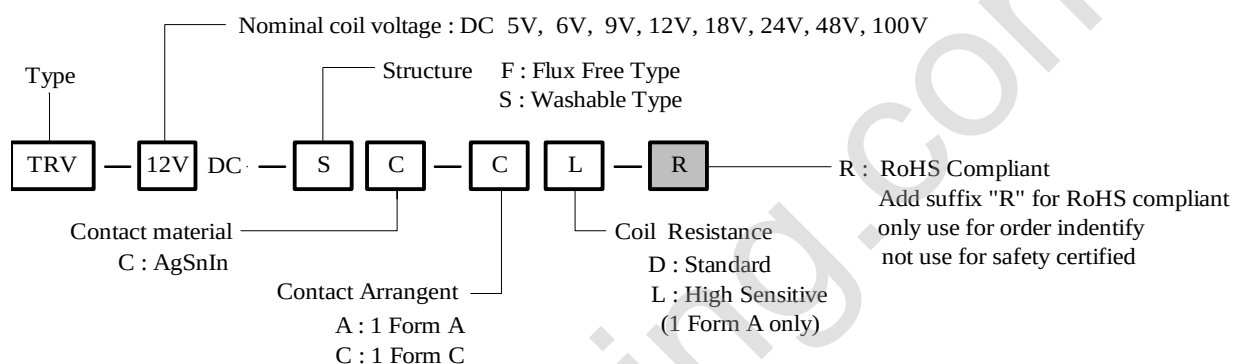
➤ MAIN FEATURES

- High capacity type (16A) available.
- High sensitivity 0.2W (1 Form A).
- Flat type : L×W×H=16.5mm×22.2mm×11.2mm.
- UL 、cUL and TUV recognized.

➤ APPLICATIONS

- Home appliances : Air conditioner, heater, etc.
- Automotive : Power supply for car stereo and air conditioner.

➤ ORDERING INFORMATION



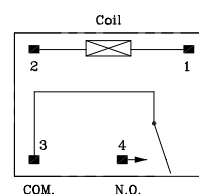
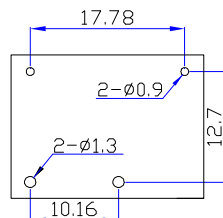
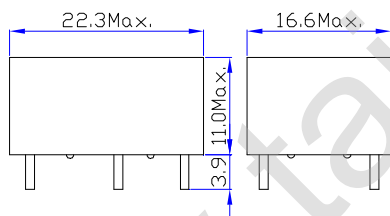
■ DIMENSION (unit:mm)

■ DRILLING (unit:mm)

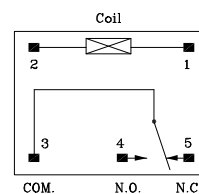
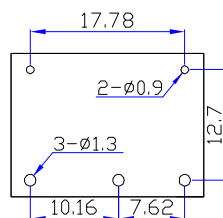
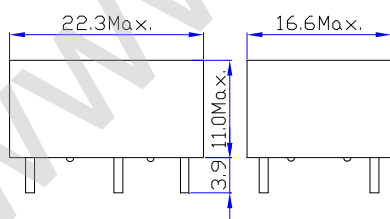
■ WIRING DIAGRAM

1 Form A

(Bottom View)



1 Form C



Remark: 1. In case of no tolerance shown in dimension: $\pm 0.5\text{mm}$.
2. The tolerance without indicating for DRILLING is always $\pm 0.1\text{mm}$.

► COIL DATA CHART(at 20°C)

Coil Sensitivity	Nominal Coil Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω) $\pm 10\%$	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
High Sensitivity (1 Form A only)	05	40	125	abt. 0.2W	80% Max.	5% Min.	130%
	06	33.3	180				
	09	22.2	405				
	12	16.7	720				
	18	11.1	1620	0.25W			
	24	8.3	2880				
	48	4.2	9200				
Standard	05	90.1	55.5	abt. 0.45W	80% Max.	5% Min.	130%
	06	75.0	80				
	09	50.0	180				
	12	37.5	320				
	18	25.0	720				
	24	18.8	1280				
	48	9.4	5120	abt. 0.6W			
	100	6.0	16600				

► CONTACT RATING

Item	Type	TRV		
	FORM A	FORM C	N/O	N/C
Contact Capacity	16A 125VAC	16A 125VAC	15A 125VAC	
Resistive Load	16A 250VAC	16A 250VAC	15A 250VAC	
$\cos\phi=1$	16A 30VDC	16A 30VDC	12A 30VDC	
Rated Carrying Current	16A	16A	12A	
Max. Allowable Voltage	250VAC, 100VDC			
Max. Allowable Current	16A	16A	12A	
Max. Allowable Power	2000VA	2000VA	1875VA	
Force	480W	480W	360W	
Referenced Min. Applicable Load	5VDC, 100mA			
Contact Material	Ag Alloy			

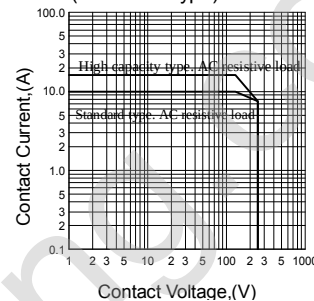
► PERFORMANCE (at initial value)

Item	Type	TRV
Contact Resistance	100m Ω Max. (6VDC 1A)	
Operation Time	10msec Max.	
Release Time	5msec Max.	
Dielectric Strength	1500VAC 50/60Hz (1 minute)	
Between coil & contact	750VAC	
Between contacts		
Insulation Resistance	100 M Ω Min. (500VDC)	
Max. ON/OFF Switching		
Mechanically	300 operation/min	
Electrically	30 operation/min	
Operating Ambient Temperature	-40°C to +70°C (No condensation)	
Operating Humidity	45 to 80% RH	
Coil Temperature Rise	30 deg. Max. (at rated coil voltage)	
Vibration		
Endurance	10 to 55Hz Double Amplitude 1.6mm	
Error Operation	10 to 55Hz Double Amplitude 1.6mm	
Shock		
Endurance	100G Min.	
Error Operation	10G Min.	
Life Expectancy		
Mechanically	5×10^6	
Electrically	10×10^4	
Weight	abt. 10grs.	
UL & cUL	E156521	
TUV	R50050856	

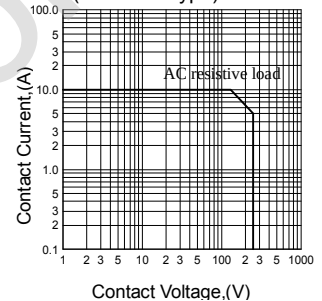
► REFERENCE DATA

Maximum Value for Switching Capacity

(1 Form A Type)

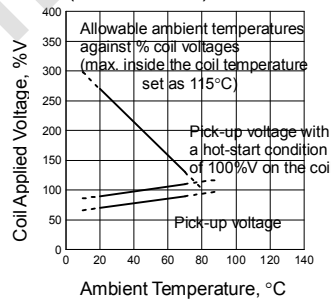


(1 Form C type)

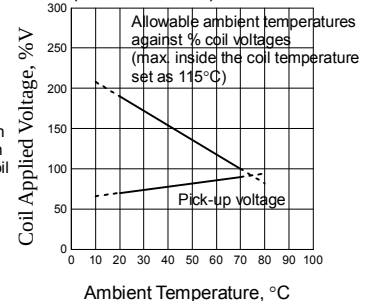


Ambient Temperature Characteristics

(1 Form A 10A)

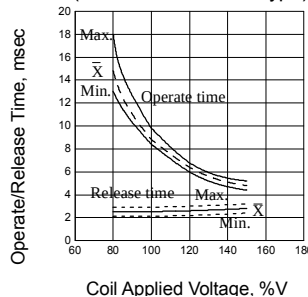


(1 Form C 10A)

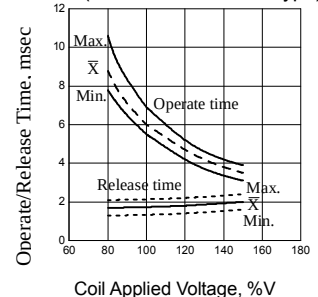


Operate/Release Time

(Standard 1 Form A Type)



(Standard 1 Form C Type)



This datasheet for reference and subject to change without notice. Please double check final specification with Tai-Shing.
(0939AA08VOL01)