



TRIF

MAIN FEATURES

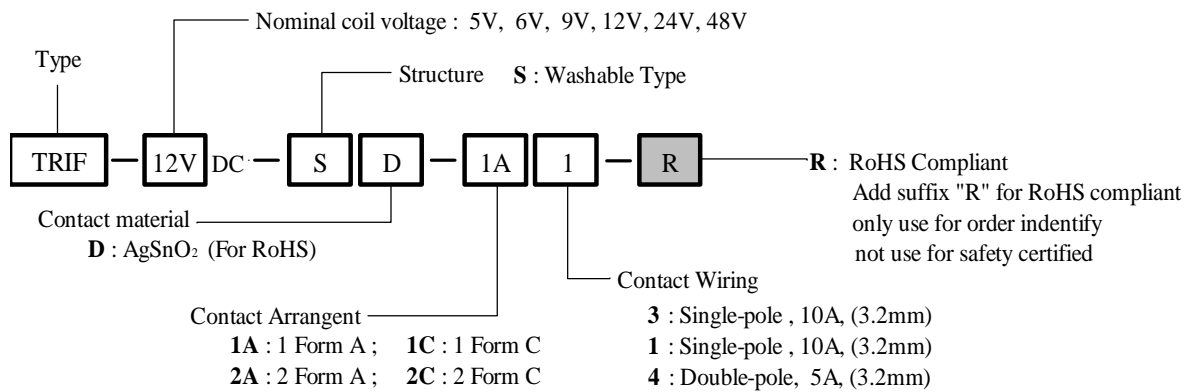
- 10A switching capabilities.
- 1 & 2 pole configurations.
- 5KV dielectric coil to contacts.
- Low height of 12.5mm.
- Sealed & Unsealed types available.



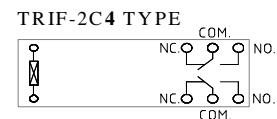
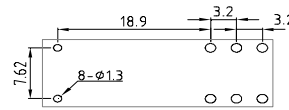
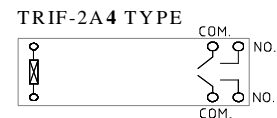
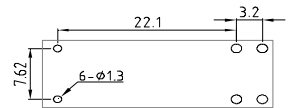
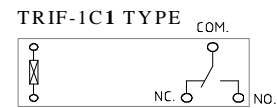
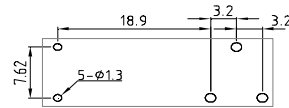
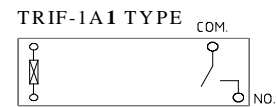
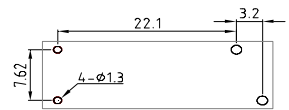
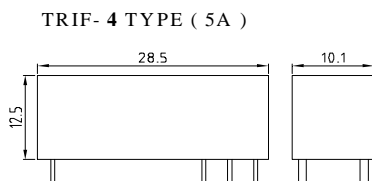
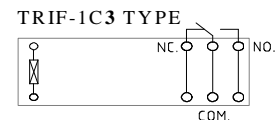
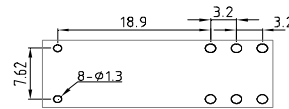
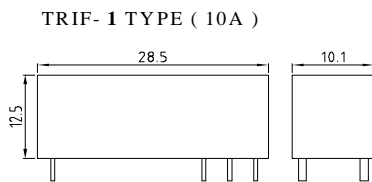
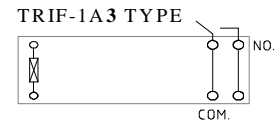
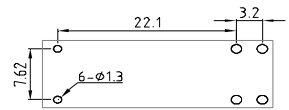
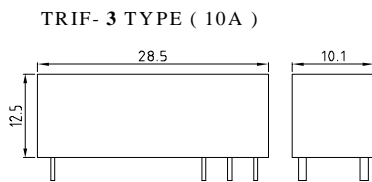
APPLICATIONS

- Microwave Oven; Facsimile; Refrigerator, Air Conditioner, Stereo Equipment; Copy machine, TV Set, Monitor, Vending Machine, Temperature Controller, etc.

ORDERING INFORMATION



DIMENSION (unit:mm) DRILLING (unit:mm) WIRING DIAGRAM



➤ **COIL DATA CHART**(at 20°C)

Coil Sensitivity		Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω) ± 10%	Power Consumption(W)	Pull-In Voltage(VDC)	Drop-Out Voltage(VDC)	Max-Allowable Voltage(VDC)	
TRIF	Single Pole Type (1 & 3 Type)	5	44.2	113	0.22	70% Max.	10% Min.	150% Max.	
		6	36.6	164	0.22				
		9	25	360	0.23				
		12	19.4	620	0.23				
		24	10.2	2350	0.25				
	Double Pole Type (4 Type)	48	6.0	8000	0.29	0.36	70% Max.	10% Min.	150% Max.
		5	71.4	70					
		6	60	100					
		9	40	225					
		12	30	400					
	24	15	1600						
	48	7.5	6400						

➤ **CONTACT RATING**

Item	Type	TRIF		
		3 - TYPE	1 - TYPE	4 - TYPE
Contact Capacity		10A 250VAC	10A 250VAC	5A 250VAC
Resistive Load		10A 30VDC	10A 30VDC	5A 30VDC
Rated Carrying Current		10A	10A	5A
Max. Switching Voltage		440VAC / 125VDC		
Max. Switching Current		10A	10A	5A
Max. Switching Power Force		2500VA / 300W	2500VA / 300W	1250VA / 150W
Contact Material		Ag Alloy		

➤ **PERFORMANCE (at initial value)**

Item	Type	TRIF
Initial Contact Resistance Max.		100mΩ. (at 1A 6VDC)
Operation Time		10msec Max.
Release Time		5msec Max.
Dielectric Strength		
Between coil & contacts		5000VAC, 1min
Between open contacts		1000VAC, 1min
Insulation Resistance		1000 MΩ. (at 500VDC)
Shock Resistance		
Functional		NC: 49 m/s ² NO: 98 m/s ²
Destructive		980 m/s ²
Vibration Resistance		
NC (no coil voltage)		10 to 55Hz Double Amplitude 0.8mm
NO		10 to 55Hz Double Amplitude 1.65mm
Ambient temperature		-40°C to +85°C
Operating Humidity		35% to 85% RH
Mechanically Life		1 x 10 ⁷ ops.
Electrically Life		1 x 10 ⁵ ops. (See approval reports for more details)
Weight		abt. 8grs.
UL		E156406

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