

TRIL

F MAIN FEATURES

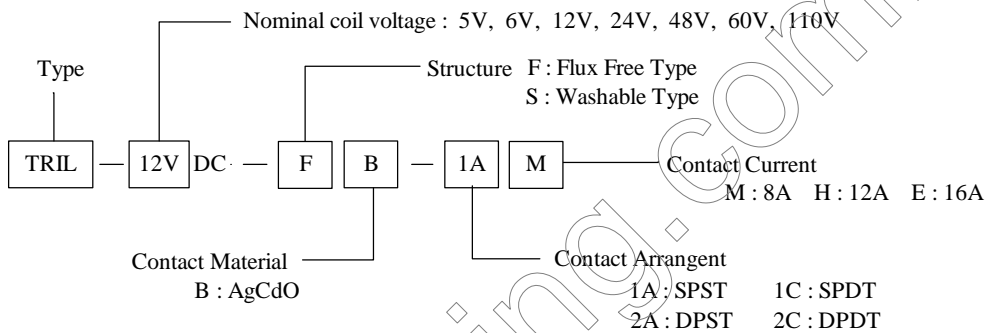
- ¹ 16A switching capabilities.
- ¹ 1 & 2 pole configurations.
- ¹ 5KV/10mm dielectric coil to contacts.
- ¹ Low height of 15.7mm.
- ¹ Sealed & Unsealed types available.

F APPLICATIONS

- ¹ Microwave Oven; Facsimile; Refrigerator, Air Conditioner, Stereo Equipment; Copiers, TV Set, Monitor, Vending Machine, Temperature Controller, etc.



F ORDERING INFORMATION



DIMENSION (unit:mm)	DRILLING (unit:mm)	WIRING DIAGRAM
5mm 2 Pole 8A 	TRIL-CM 	
	TRIL-AM 	
3.5mm 1 Pole 12A 	TRIL-CH 	
	TRIL-AH 	
5mm 1 Pole 16A 	TRIL-CE 	
	TRIL-AE 	

F COIL DATA CHART (AT20^{1/2}C)

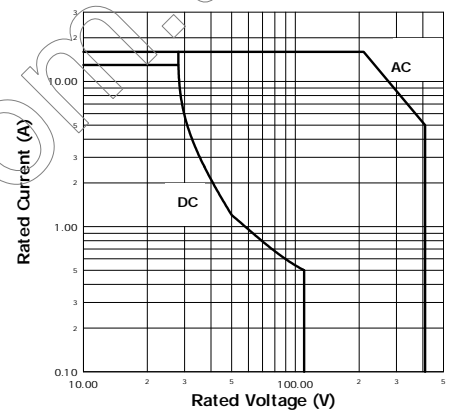
Coil Sensitivity	Coil Voltage Code	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance () ±0%	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
TRIL	005	5	80.6	62	abt. 0.4W	70% Max.	10% Min.	110% Max.
	006	6	66.7	90				
	012	12	33.3	360				
	024	24	16.7	1440				
	048	48	8.3	5760 ±5%				
	060	60	8.0	7500 ±5%				
	110	110	4.3	25200 ±5%				

F CONTACT RATING

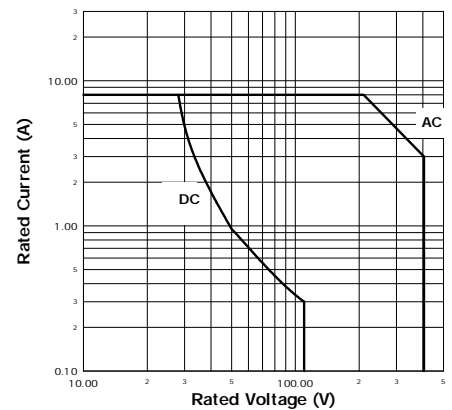
Item	Type	SPST (1A) , SPDT (1C)		DPST (2A) , DPDT (2C)
		TRIL-E	TRIL-H	TRIL-M
Contact Capacity		16A 250VAC	12A 250VAC	8A 250VAC
Resistive Load (cosΦ=1)		16A 30VDC	12A 30VDC	8A 30VDC
Inductive Load (cosΦ=0.4 L/R=7msec)		4A 250VAC	5A 250VAC	2A 250VAC
		4A 30VDC	5A 30VDC	3A 30VDC
Rated Carrying Current		16A	12A	8A
Max. Allowable Voltage		250VAC / 125VDC		
Max. Allowable Current		16A	12A	8A
Max. Allowable Power Force		4000VA/480W	3000VA/360W	2000VA/240W
Contact Material		Ag Alloy		

F REFERENCE DATA

1 Pole 12/16A



2 Pole 8A



F PERFORMANCE (at initial value)

Item	Type	TRIL
Contact Resistance		50m Max (measured at 1A 6VDC).
Operation Time		7msec Max.
Release Time		3msec Max.
Dielectric Strength	Between coil & contacts	5000VAC, 1min
	Between open contacts	1000VAC, 1min
	Between Contact sets	2500VAC, 1min
Insulation Resistance		1000.M Min. (500VDC)
Operating Ambient Temperature		-40 C to +70 C
Operating Humidity		35% to 85% RH
Vibration Resistance		30 to 150HZ Double Amplitude 1.5mm
Shock Resistance		100 m/s ²
Life Expectancy	Mechanically	1 × 10 ⁷ ops. Min. (7200 OPS/Hour)
	Electrically	1 × 10 ⁵ ops. Min. (360 OPS/Hour)
Weight		abt. 13.5grs.
UL File No.		E156521