



TR91L

MAIN FEATURES

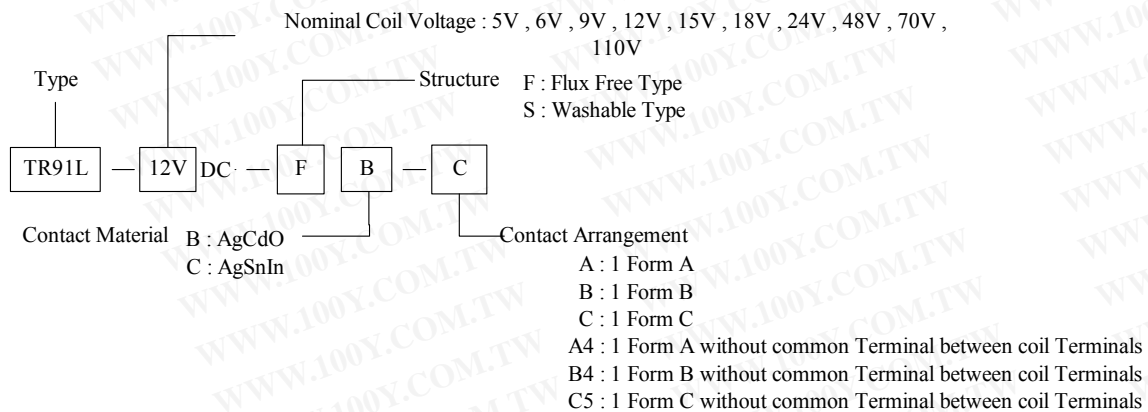
- SPST- NO/NC and SPDT configurations.
- 2.5KV dielectric coil to contacts.
- Ambient Temperature of CLASS B: -55~100° C
Ambient Temperature of CLASS F: -55~125° C
- CLASS B and CLASS F version available.



APPLICATIONS

- Used for power switching, Electrical Heater, Ventilator, Air conditioning, Refrigerating, Automobile and House hold Appliance.

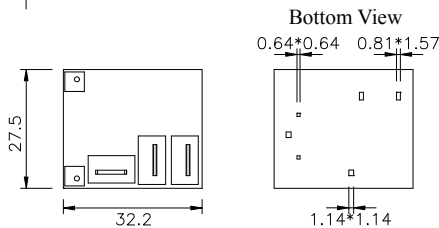
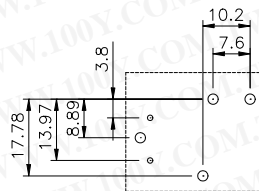
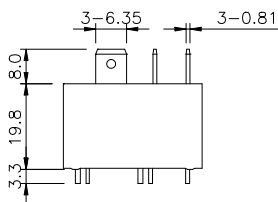
ORDERING INFORMATION



DIMENSION (unit:mm)

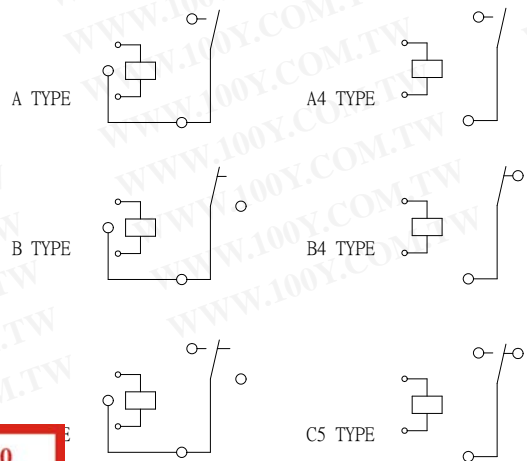
DRILLING (unit:mm)

WIRING DIAGRAM



A · B · C Contact Arrangement Wiring Diagram

A4 · B4 · C5 Contact Arrangement Wiring Diagram



勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
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■ COIL DATA CHART (AT20°C)

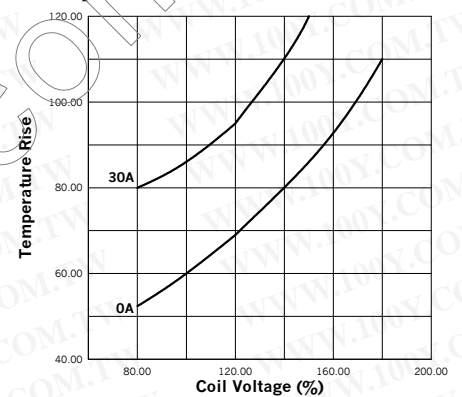
Coil Sensitivity	Coil Voltage Code	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω) $\pm 10\%$	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
TR91L	005	5	185.2	27	Abt. 0.9W	75% Max.	10% Min.	110% Max.
	006	6	150	40				
	009	9	92.7	97				
	012	12	77.4	155				
	015	15	58.6	256				
	018	18	47.4	380				
	024	24	36.4	660				
	048	48	18.7	2560				
	070	70	12.7	5500				
	110	110	8.2	13450 $\pm 15\%$				

■ CONTACT RATING

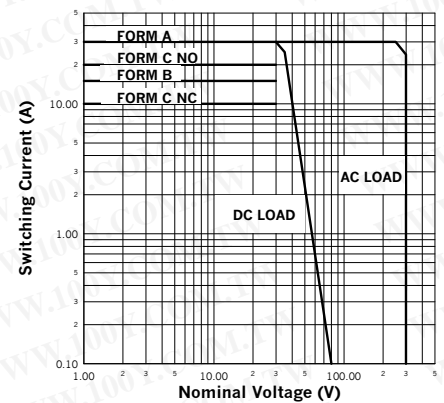
Item	Type	TR91L			
		1 Form A	1 Form B	1 Form C	
				N/O	N/C
Contact Capacity		30A 240VAC	15A 240VAC	20A 240VAC	15A 240VAC
Resistive Load (cos Φ =1)		20A 30VDC	10A 30VDC	20A 30VDC	10A 30VDC
General Motor		240VAC 2HP 120VAC 1HP	240VAC 0.5HP 120VAC 0.25HP	240VAC 2HP 120VAC 1HP	240VAC 0.5HP 120VAC 0.25HP
Rated Carrying Current		30A	15A	20A	15A
Max. Allowable Voltage		30VDC, 300VAC			
Max. Allowable Current		30A	15A	20A	15A
Max. Allowable Power Force		7200VA/600W		4800VA/600W	
Contact Material		Ag Alloy			

■ REFERENCE DATA

Temperature Rise



Contact Capacity



■ PERFORMANCE (at initial value)

Item	Type	TR91L
Contact Resistance		50m Ω max (at rated current, Voltage drop method).
Operation Time		15msec Max.
Release Time		10msec Max.
Dielectric Strength		
Between coil & contact		2500VAC, 1min
Between contacts		1500VAC, 1min
Insulation Resistance		1000 M Ω Min. (500VDC)
Operating Ambient Temperature		CLASS B : -55°C~100°C CLASS F : -55°C~125°C
Operating Humidity		95%, +40°C
Vibration Resistance		10 to 55HZ Double Amplitude 1.5mm
Shock Resistance		98 m/s ² Malfunction. 980 m/s ² Mechanical.
Life Expectancy		
Mechanically		1 \times 10 ⁷ ops. Min. (no load)
Electrically		1 \times 10 ⁵ ops. Min. (at rated load)
Weight		abt. 30grs.

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