



# Relay



## Contact Rating

- Nominal Load(Resistive Load Cos  $\phi$  =1)  
Contact Capacity  
SCH-T91-1C.....20A/10A at 250VAC  
SCH-T91-1A/1B.....30A at 250VAC
- Max. Allowable Current  
T91-1A/1B.....30A
- Max. Allowable Voltage  
T91-1A/1B/1C.....AC250V
- Max. Allowable Power Force  
T91-1C.....5,000VA  
T91-1A/1B.....7,500VA
- Contact Material.....Ag Alloy
- Contact Form.....SPDT&SPST

## Performance (at Initial Value)

- Contact Resistance.....  $\leq 100m\Omega$  at 6VDC/1A
- Operate Time.....ms. Max
- Release Time.....ms. Max
- Dielectric Strength:  
Between Coil & Contact.....4,000VAC at 50/60 Hz  
for one minute  
Between Contacts.....1,500VAC at 50/60 Hz  
for one minute
- Surge Resistance.....10,000V (between Coil  
& Contact 1.2x50  $\mu$ s)

## ISO9001、ISO14001 Certification Enterprises

### Main Feature

1. Small size (32.2x27x28 in mm) produces a switching capacity up to 30A for high density P.C.Board mounting technique.
2. The contact form construction is 1A/1B/1C
3. The Surge Resistance of T91 series is 10,000V
4. Sealing Construction (Free from dust and solder flux):  
SCH-T91: Plastic Sealed Type.
5. The selection of plastic insulation material is designed for high temperature and provides better chemical solution performance.
6. RoHS Compliant.

### Application

Air Conditioning, Fridge, Washing Machine, etc Household Appliances

- Insulation Resistance.....1,000 Mega  $\Omega$  Min. at 500VDC
- Max. On/Off Switching:  
Electrical.....30 Ops per minute  
Mechanical.....300 Ops per minute
- Temperature Range.....40~85 $^{\circ}$ C
- Humidity Range.....5%~85% RH
- Coil Temperature Rise.....35 $^{\circ}$ C Maximum
- Vibration:  
Endurance.....10 to 55 Hz dual amplitude width 1.5mm  
Error Operation.....10 to 55 Hz dual amplitude width 1.5mm
- Shock:  
Endurance.....981m/s $^2$  Min  
Error Operation.....98.1m/s $^2$  Min
- Life Expectancy:  
Electrical.....10 $^5$  Operations at Rated Resistive load  
Mechanical.....10 $^7$  Operations at No load condition
- Weight.....about 32g

### Safety Standard & Its File Number

- UL.....E476814
- TUV.....R50319391
- CQC.....CQC15002132852



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## Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ( $\Omega \pm 8\%$ )	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
SCH-T91	5	178.6	28	Abt. 0.9	75% Maximum	10% Minimum	130%
	6	150	40				
	9	100	90				
	12	75	160				
	24	37.5	640				
	48	18.8	2560				

## Ordering Information

SCH - T91 - 1A - 12 - S - T - T

Temperature:  
Blank:85 °C T:105 °C

Dielectric Strength:  
Blank:2000VAC, T:4000VAC

Coil Type: Blan:0.9W Standard DC Coil  
Seal type :S

Coil Voltage: e:5:5V,6:6V,9:9V12:12V,24:24V ,48:48V

Number of Pole: 1A:One Group NO, 1B:One Group NC,1C:One Group NC/NO

Model:T91-30A

Generic Terms: SCH

## Dimension

