



Relay



Contact Rating

- Nominal Load(Resistive Load $\cos \phi = 1$)
Contact Capacity
SCH-T90-1C..... 20A/10A at 250VAC
SCH-T90-1A/1B..... 30A at 250VAC
- Max. Allowable Current
SCH-T90-1C..... 20A
SCH-T90-1A/1B..... 30A
- Max. Allowable Voltage
SCH-T90-1A/1B/1C..... AC250V
- Max. Allowable Power Force
SCH-T90-1C..... 5,000VA
SCH-T90-1A/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 μs)
- Insulation Resistance..... 1,000 Mega Ω Min. at
500VDC

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Main Feature

1. Small size (31.9x27.5x19.5 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 T90 series is 10,000V
4. Sealing Construction (Free from dust and solder flux):
SCH-T90: 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

- Max. On/Off Switching:
Electrical..... 30 Ops per minute
Mechanical..... 300 Ops per minute
- Temperature Range..... 40~105°C
- Humidity Range..... 5%~85% RH
- Coil Temperature Rise..... 35°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/s² Min
Error Operation..... 98.1m/s² Min
- Life Expectancy:
Electrical..... 10⁵ Operations at
Rated Resistive
load
Mechanical..... 10⁷ Operations at
No load condition
- Weight..... about 23g

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-T90	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 - T90 - 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

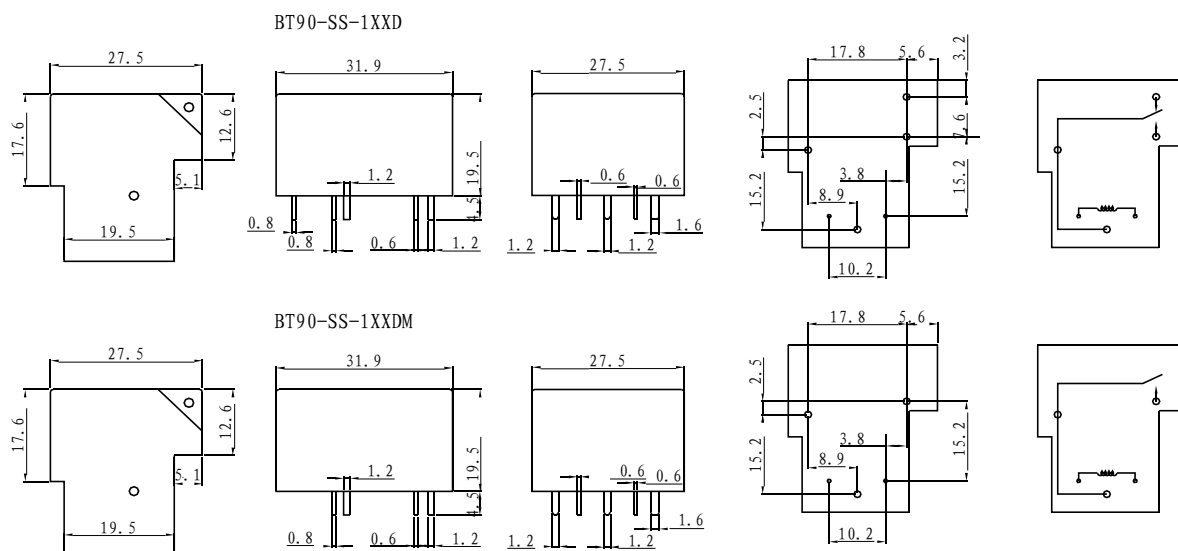
Coil Voltage: e:5:5V,6:6V,9:9V12:12V,24:24V ,48:48V

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

Model:T90-30A

Generic Terms: SCH

Dimension



(Dimension Tolerance) : <1mm: $\pm 0.2\text{mm}$
1~5mm: $\pm 0.3\text{mm}$
>5mm: $\pm 0.5\text{mm}$