



Relay



Contact Rating

- Nominal Load(Resistive Load $\cos \phi = 1$)
Contact Capacity
SCH-T90-1C..... 30A/20A at 250VAC
SCH-T90-1A/1B..... 50A at 250VAC
- Max. Allowable Current
SCH-T90-1C..... 30A
SCH-T90-1A/1B..... 50A
- Max. Allowable Voltage
SCH-T90-1A/1B/1C..... AC250V
- Max. Allowable Power Force
SCH-T90-1C..... 7,200VA
SCH-T90-1A/1B..... 10,000VA
- 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

ISO9001、ISO14001 Certification Enterprises

Main Feature

1. Small size (31.9x27.5x19.5 in mm) produces a switching capacity up to 50A 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..... 2x10⁴ 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 ($\Omega \pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
SCH-T90	5	313	16	Abt. 1.6	75% Maximum	10% Minimum	130%
	6	260	23				
	9	176	51				
	12	133	90				
	24	67	360				
	48	33	1440				

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:1.6W Standard DC Coil
Seal type :S

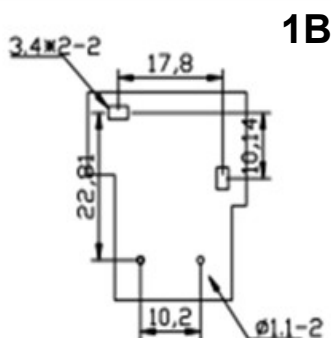
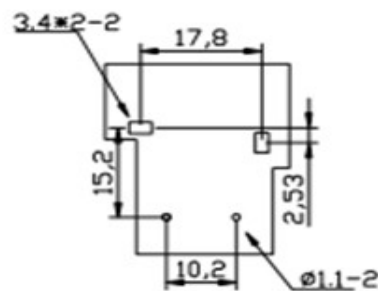
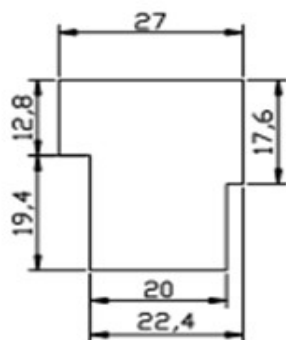
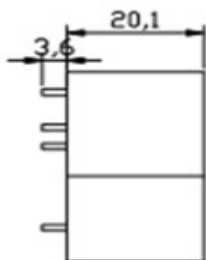
Coil Voltage: e:5:5V,6:6V,9:9V12:12V,24:24V ,48:48V

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

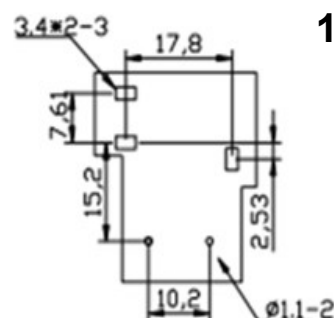
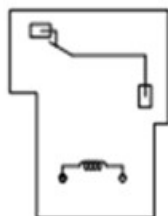
Model:T90-50A

Generic Terms: SCH

Dimension



1B



1C

