



Relay



ISO9001、ISO14001 Certification Enterprises

Main Feature

1. Small size (26.8x21.5x22.3 in mm) produces a switching capacity up to 40A for high density P.C.Board mounting technique .
2. The contact form construction is 1A/1B/1C
3. The Surge Resistance of 4119 series is 10,000V
4. Sealing Construction (Free from dust and solder flux): SCH-4119: Plastic duct cover.
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

Contact Rating

- Nominal Load(Resistive Load Cos $\phi = 1$)
Contact Capacity
SCH-4119-1C.....30A at 14VDC
SCH-4119-1A... ..40A at 14VDC
- Max. Allowable Current
SCH-4119-1C.....30A
SCH-4119-1A40A
- Max. Allowable Voltage
SCH-4119-1A/1CDC14V
- Max. Allowable Power Force
SCH-4119-1C... ..420W
SCH-4119-1A560W
- Contact Material... ..Ag Alloy
- Contact FormSPDT&SPST

Performance (at Initial Value)

- Contact Resistance..... $\leq 100m\Omega$ at 6VDC/1A
- Operate Timems. Max
- Release Time.....ms. Max
- Dielectric Strength:
Between Coil & Contact... ..500VAC at 50/60 Hz
for one minute
Between Contacts.....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
- Max. On/Off Switching:
Electrical.....30 Ops per minute
Mechanical.....300 Ops per minute
- Temperature Range.....-35~125 $^{\circ}C$
- Humidity Range... ..45~85% 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/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 21g

Safety Standard & Its File Number

Pending



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Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\pm 10\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
SCH-4119	12	133.3	90	1.6	75% Maximum	10% Minimum	130%
	24	66.7	360	1.6			

Ordering Information

SCH - 4119 - 1C - 12 - S - E

Version type : 12A ,E:EBO

Seal type : S

Coil Voltage: 12:12V,24:24V

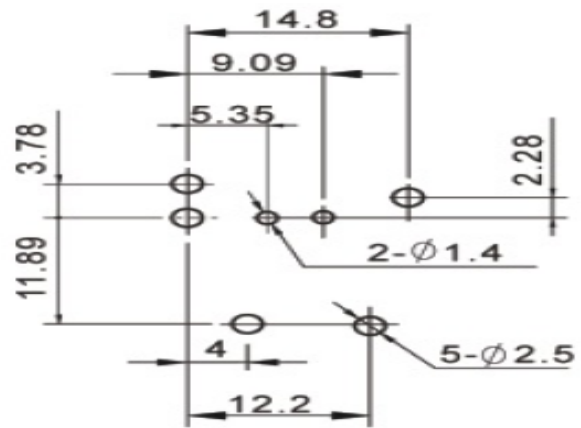
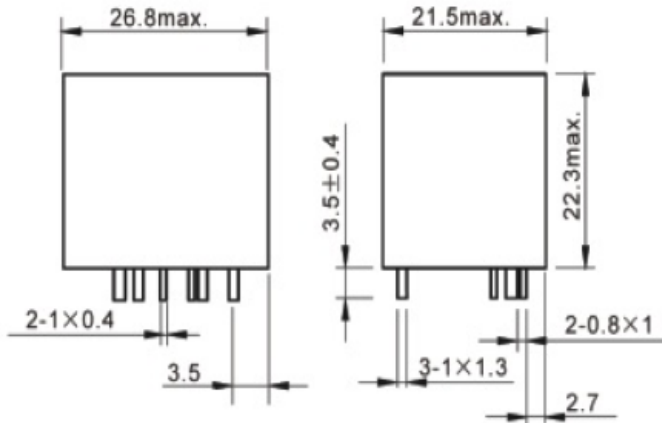
Number of Pole: 1A: One Group NO
1C: One Group NC/NO

Model:4119

Generic Terms: SCH

Dimension

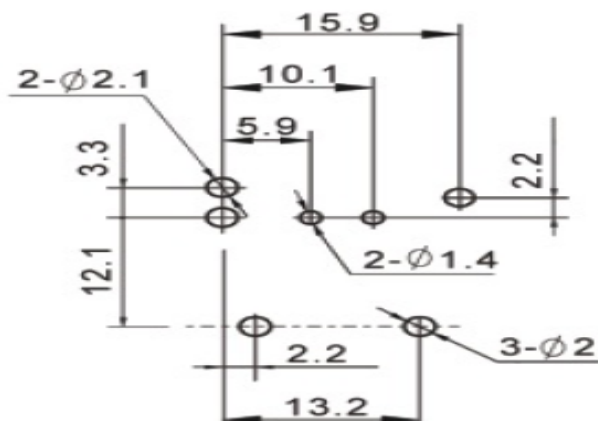
PCB Terminal



U

1A

1C



E

