



Relay



ISO9001、ISO14001 Certification Enterprises

Main Feature

1. Small size (29.3x12.8x20.4 in mm) produces a switching capacity up to 16A for high density P.C.Board mounting technique.
2. The contact form construction is 1A/1B/1C
3. The Surge Resistance of 14FH series is 10,000V
4. Sealing Construction (Free from dust and solder flux): SCH-14FH: 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

Contact Rating

- Nominal Load(Resistive Load $\cos \phi = 1$)
Contact Capacity
SCH-14FH-1A/1C.....16A at 250VAC
16A at 30VDC
- Max. Allowable Current
SCH-14FH-1A/1C.....16A
- Max. Allowable Voltage
SCH-14FH-1A/1C..... AC250V DV30V
- Max. Allowable Power Force
SCH-14FH-1A/1C.4,000VA 480W
- Contact Material.....Ag Alloy
- Contact FormSPDT & SPST

Performance (at Initial Value)

- Contact Resistance $\leq 100m\Omega$ at 6VDC/1A
- Operate Timems. Max
- Release Timems. Max
- Dielectric Strength:
Between Coil & Contact... 5,000VAC at 50/60 Hz
for one minute
Between Contacts1,000VAC 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... 40~85°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 13g

Safety Standard & Its File Number

- UL..... Pending
- TUV..... R50360206
- CQC..... Pending



Relay

ISO9001、ISO14001 Certification Enterprises

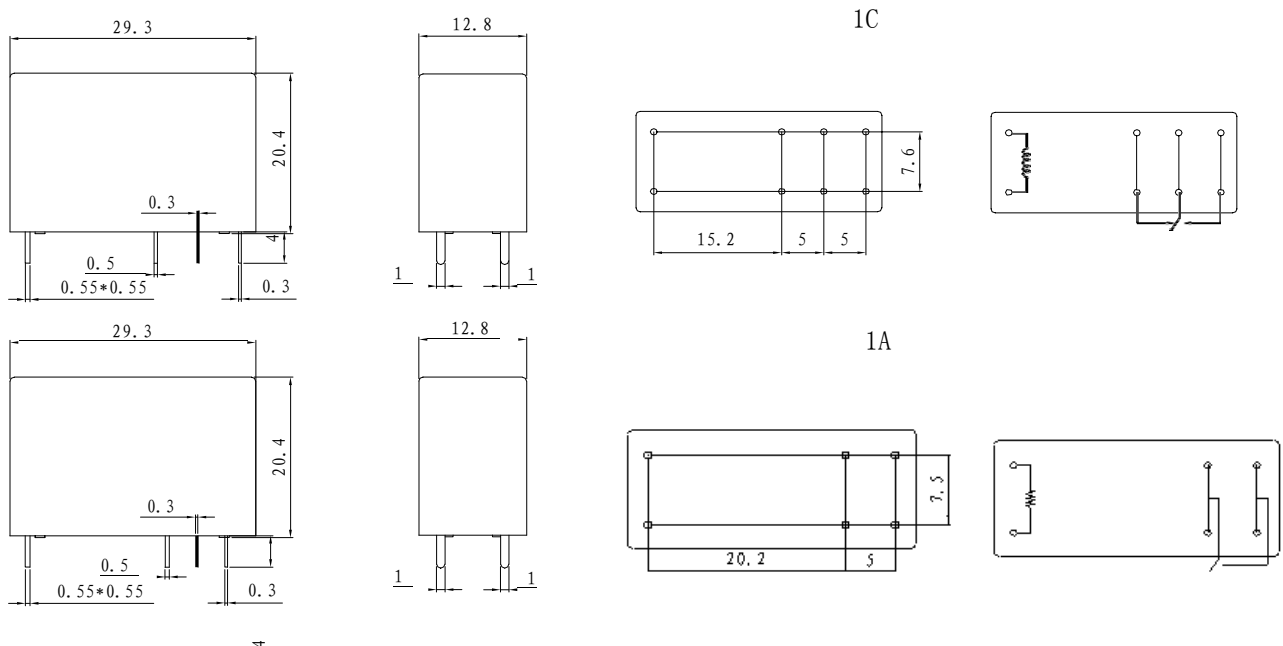
Coil Specification (at 20 °C)

Coil Sensitivity	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance ($\pm 8\%$)	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Maximum Allowable Voltage (VDC)
SCH-14FH	3	176.5	17	Abt. 0.54	75% Maximum	10% Minimum	130%
	5	108.7	46				
	6	89.6	67				
	9	60	150				
	12	44.4	270				
	24	21.8	1100				
	48	11.2	4270				

Ordering Information

SCH	-	14FD	-	1C	12VDC	-	L	-	S	Seal type: S
										Coil Type: Blank :L:0.54W DC Coil
										Coil Voltage:3:3V,5:5V,6:6V,9:9V12:12V,24:24V,48:48VDC
										Number of Pole: 2A:One Group NO, 1B:One Group NC,1C:One Group NC/NO
										Model:14FH
										Generic Terms: SCH

Dimension



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