



Relay



ISO9001、ISO14001 Certification Enterprises

Main Feature

1. Small size(18.2x10.2x15.5in mm) produces a Switching capacity up to 10A for high density P.C.Board mounting technique.
2. The Contact form construction is 1A (SPST-NO)
3. The Surge Resistance of 32F Series is 10,000V.
4. Sealing Construction (Free from dust and solder flux): SCH-32F: 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

Domestic Appliances. Office Machines. Audio Equipment.
Car Use.....etc

Contact Rating

- Nominal Load(Resistive Load $\cos \phi = 1$)
Contact Capacity
SCH-32F-S..... 5A at 125VAC
5A at 250 VAC
SCH-32F-LS..... 3A at 250 VAC
3A at 30VDC
SCH-32F-SQ..... 10A at 250VAC
10A at 30 VDC
SCH-32F-LSQ..... 8A at 250VAC
8A at 30 VDC
- Max. Allowable Current
32F-1A-SQ..... 10A
- Max Allowable Voltage..... AC250V. DC30V
- Max Allowable Power Force
32F-S/LS..... 1250VA 150W
32F-SQ/LSQ..... 2500VA 300W
- Contact Material..... Ag Alloy
- Contact Form..... SPST-NO

Performance (at Initial Value)

- Contact Resistance..... $\leq 100m \Omega$ at 6VDC/1A
- Operate Time..... 32F-S(SQ) 5 ms. Max.
32FSQ (LSQ) 6 ms. Max
- Release Time..... ms. Max
- Dielectric Strength:
Between Coil & Contact..... 4000VAC at 50/60
Hz for one minute
Between Contacts..... 1000VAC 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
Mectrical..... 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/s² Min
Error Operation..... 98.1m/s² Min
- Life Expectancy:
Mechanical..... 10⁷ Operations at
No load condition
Electrical..... 10⁵Operations at
Rated Resistive
load
- Weight..... about 7 g

Safety Standard & Its File Number

- UL..... E476814
- TUV..... R50395611
- CQC..... CQC18002196605



Relay

ISO9001、ISO14001 Certification EnterprisesCoil

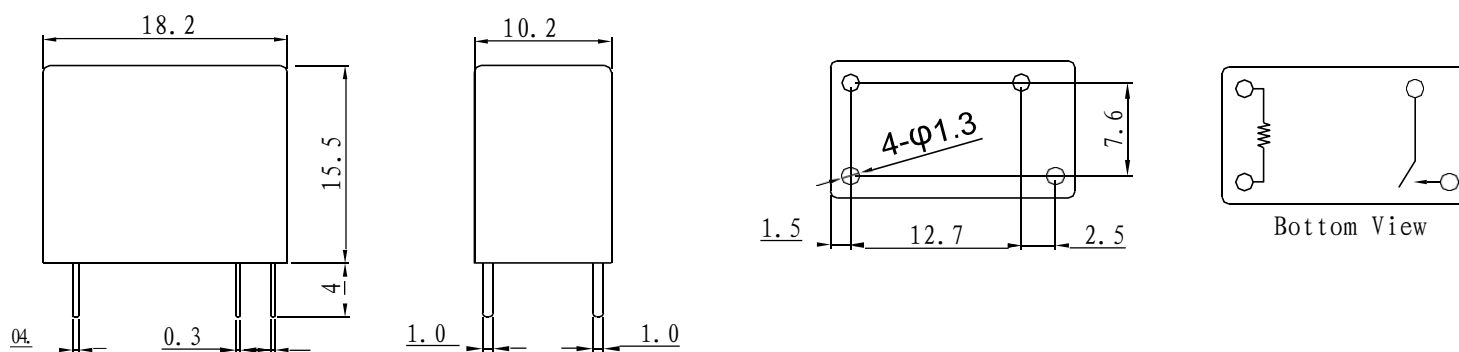
Specification (at 20 °C)

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)
32F-S 32F-SQ	3	150	20	Abt. 0.45	75% Maximum	10% Minimum	130%
	5	91	55				
	6	75	80				
	9	50	180				
	12	37.5	320				
	24	18.8	1,280				
32F-LS 32F-LSQ	3	67	45	Abt. 0.2	75% Maximum		
	5	40	125				
	6	33.3	180				
	9	22.5	400				
	12	16.7	720				
	24	8.3	2,800				

Ordering Information

SCH	-	32F	-	1A	-	12	L	S	Q	Insulation Class: F:Class Q Nil:Class B
										Seal type: S
										Coil Type: Blan:0.45W Standard DC Coil L:0.2W High Sensitivity DC Coil
										Coil Voltage:3:3V,5:5V,6:6V,9:9V12:12V,24:24V
										Number of Pole: 1A:One Group NO
										Model:32F
										Generic Terms: SCH

Dimension



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