

SONGLE RELAY

	RELAY ISO9002	SRB
---	---------------	------------



1. MAIN FEATURES

- Switching capacity available by 3A in spite of small size design for highdensity P.C. board mounting technique.
- Selection of plastic material for high temperature and better chemical solution performance.
- Sealed types available.
- Simple relay magnetic circuit to meet low cost of mass production.

2. APPLICATIONS

- Domestic appliance, office machine, audio, equipment, automobile, etc.

3. ORDERING INFORMATION

SRB	XX VDC	S	L	C
Model of relay	Nominal coil voltage	Structure	Coil sensitivity	Contact form
SRB	03、05、06、09、12、24VDC	S:Sealed type	L: 0.36W	A:1 form A
		F:Flux free type	D: 0.45W	B: 1 form B
				C:1 form C

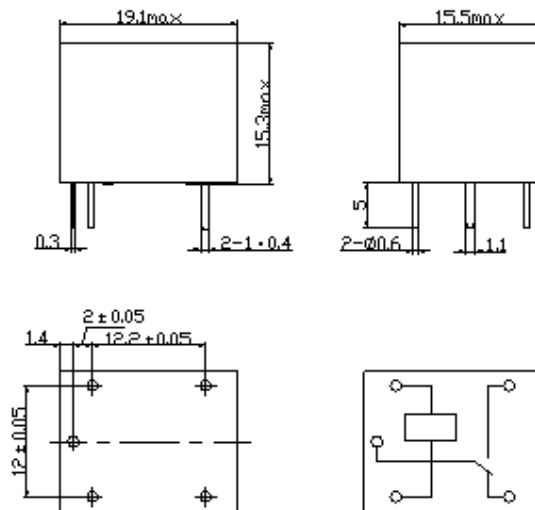
4. RATING

1A/240VAC 28VDC 3A/125VAC 28VDC

5. DIMENSION (unit:mm)

DRILLING (unit:mm)

WIRING DIAGRAM



6. COIL DATA CHART (AT20°C)

Coil Sensitivity	Coil Voltage Code	Nominal Voltage (VDC)	Nominal Current (mA)	Coil Resistance (Ω) $\pm 10\%$	Power Consumption (W)	Pull-In Voltage (VDC)	Drop-Out Voltage (VDC)	Max-Allowable Voltage (VDC)
SRB (High Sensitivity)	03	03	120	25	abt. 0.36W	75% Max.	5% Min.	120%
	05	05	71.4	70				
	06	06	60	100				
	09	09	40	225				
	12	12	30	400				
	24	24	15	1600				
SRB (Standard)	03	03	150	20	abt. 0.45W	75% Max.	5% Min.	110%
	05	05	89.3	55				
	06	06	75	80				
	09	09	50	180				
	12	12	37.5	320				
	24	24	18.7	1280				

7. CONTACT RATING

Item	Type	SRB
Contact Capacity		1A/240VAC 28VDC
Resistive Load ($\cos\Phi=1$)		3A/125VAC 28VDC
Rated Carrying Current		1A
Max. Allowable Voltage		250VAC/110VDC
Max. Allowable Current		3A
Max. Allowable Power Force		360VAC/70W
Contact Material		Ag Alloy

8. PERFORMANCE (at initial value)

Item	Type	SRB
Contact Resistance		100m Ω Max.
Operation Time		10msec Max.
Release Time		5msec Max.
Dielectric Strength		1000VAC 50/60HZ (1 minute)
Between coil & contact		500VAC 50/60HZ (1 minute)
Between contacts		
Surge Resistiveness		3000V (between coil & contact 1 \times 40 usec)
Insulation Resistance		100 M Ω Min. (500VDC)
Max. ON/OFF Switching		300 operation/min
Mechanically		30 operation/min
Electrically		
Operating Ambient Temperature		-30°C to +80°C (No water condensation and no water drop)
Operating Humidity		45 to 85% RH
Vibration Endurance		10 to 55Hz Double Amplitude 1.5mm
Error Operation		10 to 55Hz Double Amplitude 1.5mm
Shock Endurance		100G Min.
Error Operation		10G Min.
Life Expectancy		10 \times 10 ⁶ operations. Min. (no load)
Mechanically		10 \times 10 ⁴ operations. Min. (at rated coil voltage)
Electrically		
Weight		abt. 10grs.

9. REFERENCE DATA

