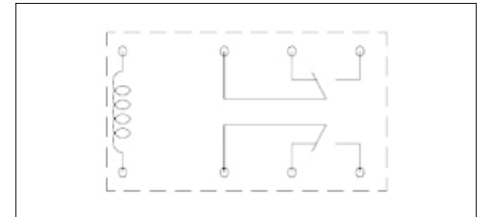


RSB Signal Relay

- 2 Form C
- Rated current: 2 A
- 200 mW sensitive coil
- Dielectric strength between coil & contact: 1,000 VAC
- Class F coil
- Small light product, is applicable to intensive installation



RSB (2P)
2 Form C, 2 A



Technical parameters

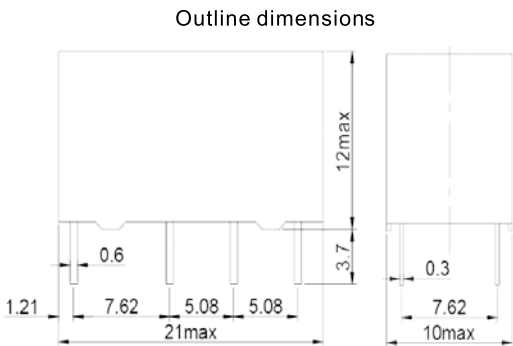
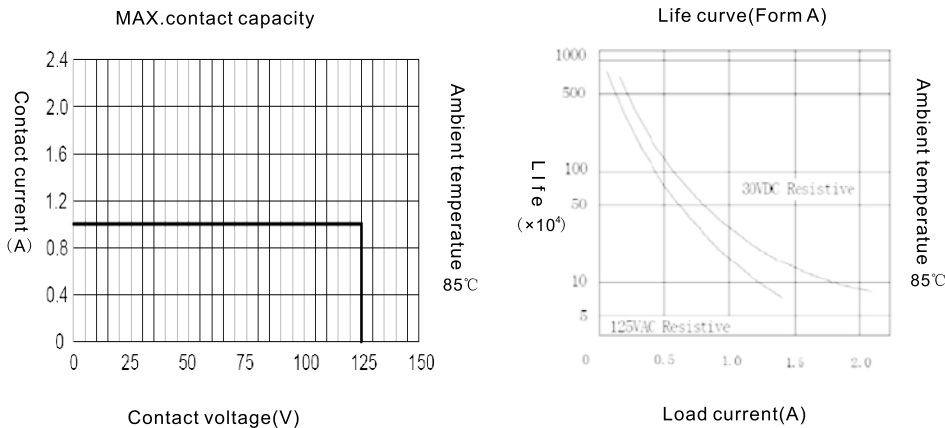
Coil data		
Coil input voltage		4.5/5/6/12/24 V DC
Coil power		D Type: 360 mW, M Type: 200 mW
Response voltage		< 75% (Room temp.)
Drop out voltage		> 10% (Room temp.)
Operation time / Release time		Less than 6 ms / less than 4 ms
Contact data		
Contact numbers		2 Form C
Contact material		Ag alloy
Max. switching voltage		125 V AC
Max. switching power		125 VA
Contact ratings		1 A 125 V AC, 2 A 24 V DC
Contact resistance		Max. 100 mΩ (1 A / 6 V DC)
Mechanical service life		1×10 ⁷ times
Electrical Service life	AC1	1×10 ⁵ times
General data		
Rated withstand impulse voltage	Coil / Contact	1 kV AC / 1 min
	Between contacts	700 V AC / 1 min (same contact group), 1 kV AC / 1 min (different contact group)
Surge voltage		-
Insulation Resistance		1,000 MΩ (500 V DC)
Vibration		Malfunction 10~55 Hz (Amplitude 1.5 mm) Endurance 10~55 Hz (Amplitude 1.5 mm)
Shock		Malfunction 98 m/s ² , Endurance 980 m/s ²
Ambient temperature (Operation)		-25~85 °C (No condensation)
Operating humidity		35~95%
Dimension L×W×H (mm)		21.0×10.0×11.9
Enclosure type		Flux-proof, sealed
Mounting		PCB
Weight (g)		5
Compliance certification number		cULus:E341569

Type designation

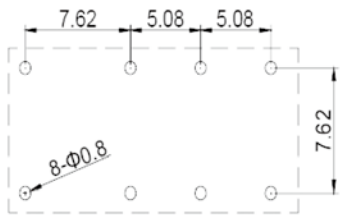
Model designation	Number of poles	Coil voltage	Coil power	Contact configuration	Insulation class	Enclosure type	Special request
RSB	-2	12	D	*	*	-S	-XXX
RSB	2: 2 poles	03: 3 V 05: 5 V 06: 6 V 09: 9 V 12: 12 V 24: 24 V	D: 360 mW M: 200 mW	Blank: Form C	Blank: class A	S: sealed	

Coil rating									SSA approval rating		
Rated voltage (VDC)	Rated current (mA)		Coil resistance ($\Omega \pm 10\%$)		Operating power (mW)		Operating voltage (VDC)	Release voltage (VDC)	cULus		
	M type	D type	M type	D type	M type	D type			1A/125VAC	85 °C	100,000ops
4.5	44.6	80.4	101	56	200	360	≤ 3.36	≥ 0.45	2A/30VDC	85 °C	100,000ops
5	40.0	71.4	125	125	200	360	≤ 3.75	≥ 0.50			
6	33.3	60.0	180	180	200	360	≤ 4.50	≥ 0.60			
12	16.7	30.0	720	405	200	360	≤ 9.00	≥ 1.20			
24	8.3	15.0	2,880	720	200	360	≤ 18.00	≥ 2.40			

MAX. allowable coil voltage: 130% of rated coil voltage (Room temperature)



PCB board layout (Bottom view)



Tolerance	
Outline dimension	
<1mm	$\pm 0.2\text{mm}$
1~5mm	$\pm 0.3\text{mm}$
>5mm	$\pm 0.4\text{mm}$
PCB board layout	
Pitch-row	$\pm 0.1\text{mm}$
Aperture	$+0.1\text{mm}$