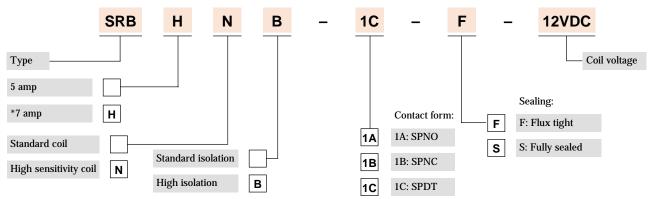


- 7A/250 VAC rating
- Flux tight or fully sealed versions available
- 250mW high sensitivity coil
- UL/CUR/TUV recognised



#### Options and ordering codes



<sup>\*</sup>H type only available in 360mW coil

#### **Contact rating**

Туре	SRB	SRBH		
Contact form	1A, 1B, 1C	1A, 1B, 1C		
Maximum switching power	1200VA/150W	1680VA/210W		
Maximum switching voltage	250VAC/30VDC			
Maximum switching/carry current	5A	7A		

UL, CUR and TUV safety approval ratings available on request

### **Specifications**

Contact material		Ag Alloy		
Initial contact resistance		100mΩ Max		
Operate time		10ms Max (at rated voltage)		
Release time		5ms Max (at rated voltage)		
Nominal operating power		Standard approx. 360mW, High sensitivity approx. 250mW		
Insulation resistance		$1000$ M $\Omega$ at $500$ VDC		
Breakdown voltage	Between coil and contacts	Standard 2000VAC (for 1 minute), High isolation 3000VAC (for 1 minute)		
	Between open contacts	750VAC (for 1 minute)		
Vibration resistance	Operating extremes	10~55Hz, amplitude 1.5mm		
	Damage limits	10~55Hz, amplitude 1.5mm		
Shock resistance Operating extremes		10G		
	Damage limits	50G		
Ambient temperature		-40~+85°C		
Life expectancy Mechanical		10 x 10 <sup>6</sup> operations (frequency 18,000 operations/hour)		
	Electrical (at max load)	1 x 10 <sup>5</sup> operations (frequency 1,200 operations/hour)		
Weight		8g		



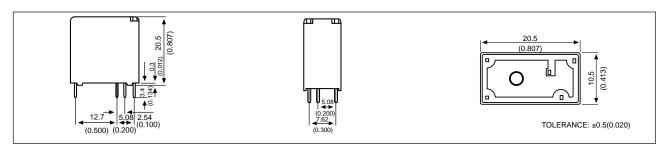
# Coil specification SRB standard coil

Rated voltage	Rated Current ± 10% at 25°C (mA)	Coil Resistance ± 10% at 25°C (Ω)	Max continuous voltage at 25°C	Pick up voltage (Max) at 25°C	Drop out voltage (Min) at 25°C	Power consumption at rated load
3	120	25				
5	72.5	69				
6	60	100				
9	40	225	130% of	75% of	5% of	
12	30	400	rated	rated	rated	approx. 0.36W
18	20	900	voltage	voltage	voltage	
24	15	1600				
36	10	3600				
48	7.5	6400				

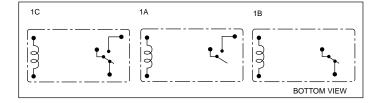
# Coil specification SRB high sensitivity coil

Rated voltage	Rated Current ± 10% at 25°C (mA)	Coil Resistance ± 10% at 25°C (Ω)	Max continuous voltage at 25°C	Pick up voltage (Max) at 25°C	Drop out voltage (Min) at 25°C	Power consumption at rated load
3	83.3	36				
5	50	100				
6	41.3	145				
9	27.7	325	130% of	75% of	5% of	
12	20.9	575	rated	rated	rated	approx. 0.25W
18	13.8	1300	voltage	voltage	voltage	
24	10.4	2310				
36	6.9	5180				
48	5.2	9220				

### Dimensions mm (inch)



### Wiring diagram



# PCB layout

