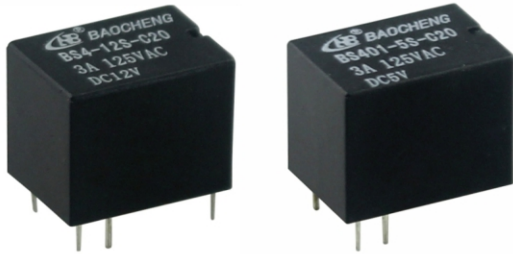


# BS4/BS401



## Product Features

- ◆ Low coil power consumption
- ◆ High sensitivity
- ◆ Small size, light weight
- ◆ Suitable for automatic remote control, communication devices, RF control, toys, etc.
- ◆ Outline dimensions: 15.5\*11\*11.5mm

## Ordering Information

<b>Model No.</b>	BS4/BS401	-12	S	-C	45
<b>Nominal Coil Voltage:</b>	5, 6, 9, 12, 24V(DC)				
<b>Construction:</b>	S: Plastic sealed E: Flux tight				
<b>Contact Form:</b>	A: Normally Open B: Normally Closed C: Normally Open&Close				
<b>Nominal Coil Power:</b>	20: 0.2W, 36: 0.36W, 45: 0.45W				

## Contact Rating

Contact Form		1A, 1B, 1C	
Contact Material		Ag(Gold clad), AgNi(Gold clad)	
Contact Rating(Resistive)		1A, 2A, 3A, 5A/125VAC, 30VDC	
Switching Power Max.		150W 625VA	
Switching Voltage Max.		60VDC 220VAC	
Switching Current Max.		5A	
Contact Resistance		≤ 100mΩ	Item 3.12 of IEC 255-7
Endurance	Electrical	10 <sup>5</sup>	Item 3.30 of IEC 255-7
	Mechanical	10 <sup>7</sup>	Item 3.31 of IEC 255-7

## Coil Rating

Nominal Coil Voltage (VDC)	Coil Voltage Max. (VDC)	Pick up Max. (VDC)	Drop out Min. (VDC)	Coil Resistance R(±10%)Ω	Coil Power (W)	Operate Time (ms)	Release Time (ms)
5	5.5	3.75	0.5	125	0.2	≤5	≤3
6	6.6	4.5	0.6	180			
9	9.9	6.75	0.9	405			
12	13.2	9.0	1.2	720			
24	26.5	18.0	2.4	2880			
5	5.5	3.75	0.5	75	0.36	≤5	≤3
6	6.6	4.5	0.6	100			
9	9.9	6.75	0.9	225			
12	13.2	9.0	1.2	400			
24	26.5	18.0	2.4	1600			
5	5.5	3.75	0.5	56	0.45	≤5	≤3
6	6.6	4.5	0.6	80			
9	9.9	6.75	0.9	180			
12	13.2	9.0	1.2	320			
24	26.5	18.0	2.4	1280			

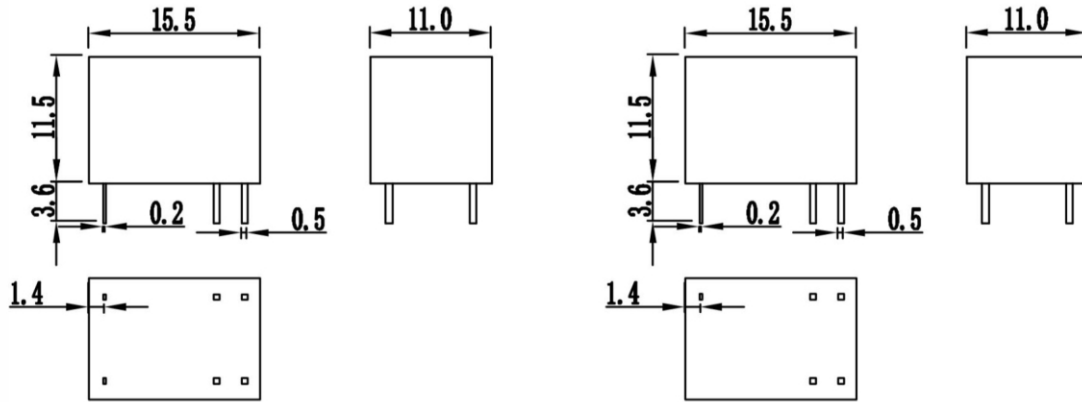
## Technical Rating

Insulation Resistance		100MΩ (500VDC)Min.	Item 7 of IEC 255-5
Dielectric Strength	Between Open Contacts	50Hz 500V	Item 6 of IEC 255-5
	Between Coil&Contact	50Hz 1000V	Item 6 of IEC 255-5
Shock Resistance		100m/s <sup>2</sup> 11ms	IEC 68-2-27 Test Ea
Vibration Resistance		10Hz ~ 50Hz double amplitude 1.5mm	IEC 68-2-6 Test Fc
Leading-out Terminal Strength		5N	IEC 68-2-21 Test Ua1
Ambient Temperature		-25℃ ~ 70℃	
Relative Humidity		85%(40℃)	IEC 68-2-3 Test Ca
Weight		3.5g	

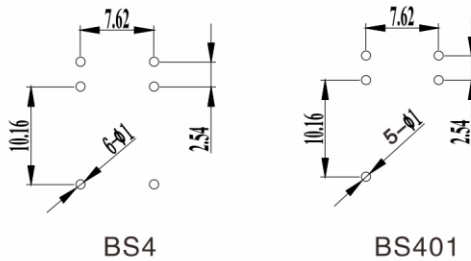
## Outline Dimensions, Wiring Diagram And PCB Layout

Unit:mm

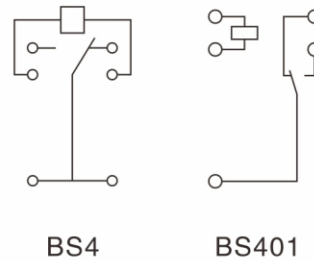
### Outline Dimensions



### PCB Layout (Bottom View)

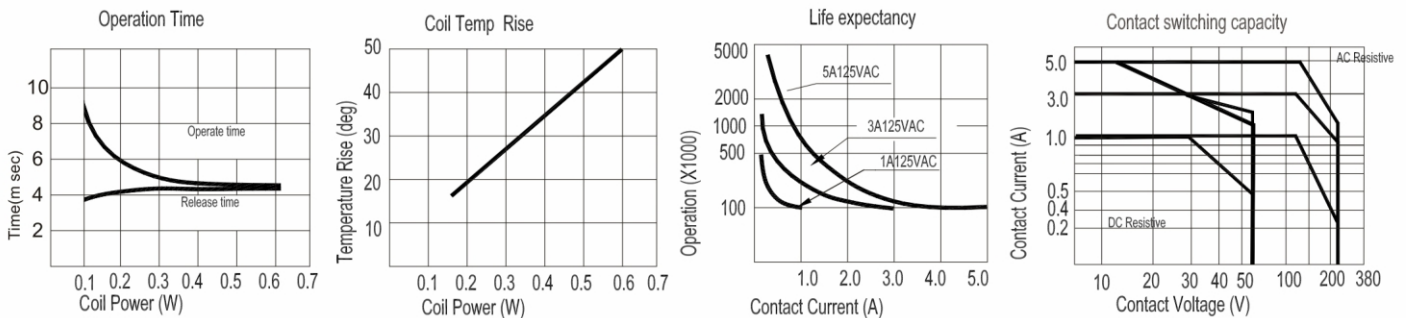


### Wiring Diagram (Bottom View)



**Remarks:** ( 1 ) In case of no tolerance shown in outline dimension: outline dimension  $\leq 1\text{mm}$ , tolerance should be  $\pm 0.2\text{mm}$ ; outline dimension  $> 1\text{mm}$  and  $\leq 5\text{mm}$ , tolerance should be  $\pm 0.3\text{mm}$ ; outline dimension  $> 5\text{mm}$ , tolerance should be  $\pm 0.4\text{mm}$ .  
 ( 2 ) The tolerance without indicating for PCB layout is always  $\pm 0.1\text{mm}$ .

## Engineering Data



**Note:** Specification and dimensions in this catalogue are for reference only and subject to change without notice.