



BS401

15.5*11*11.5 mm

Product Features

- ◆ Low power consumption
- ◆ High sensitivity
- ◆ Miniature, light weight
- ◆ Fit for automatic remote control, communication devices, RF control, toys, etc.
- ◆ Dimension: 15.5*11*11.5mm

Contact Rating

Contact Form	1A:NO; 1B:NC; 1C:SPDT		
Contact Material	Ag AgNi		
Contact Load Capacity	3A/125VAC,30VDC		
Switching Power Max.	90W 375VA		
Switching Voltage Max.	60VDC 250VAC		
Switching Current Max.	3A		
Contact Resistance	≤100mΩ		IEC 255-7 3.12
Life expectancy	Electrical	10 ⁵	IEC 255-7 3.30
	Mechanical	10 ⁷	IEC 255-7 3.31

Coil Rating(20℃)

Rated Coil Voltage (VDC)	Coil Voltage Max.	Pick up (<VDC)	Drop out (>VDC)	Coil Resistance (1±10%)Ω	Power (W)	Operate Time (ms)	Release Time (ms)
3	3.3	2.25	0.3	45	0.2	≤5	≤5
5	5.5	3.75	0.5	125			
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			

Rated Coil Voltage (VDC)	Coil Voltage Max.	Pick up (<VDC)	Drop out (>VDC)	Coil Resistance (1±10%)Ω	Power (W)	Operate Time (ms)	Release Time (ms)
3	3.3	2.25	0.3	25	0.36	≤5	≤5
5	5.5	3.75	0.5	69.4			
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			
3	3.3	2.25	0.3	20	0.45	≤5	≤5
5	5.5	3.75	0.5	56			
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	Min.100MΩ(500VDC)	IEC 255-5
Dielectric Strength		
Between contacts	50Hz 500VAC 1min	IEC 255-5
Between contacts and coil	50Hz 1000VAC 1min	IEC 255-5
Shock Resistance	100m/s ² 11ms	IEC 68-2-27 test Ea
Vibration Resistance	10Hz~55Hz double amplitude 1.5mm	IEC 68-2-6 test Fc
Leading-out Terminal Strength	5N	IEC 68-2-21 test Ua1
Weldability	(235±2)℃ , (3±0.5)s	IEC 68-2-20 test Ta way 1
Ambient Temperature	- 30℃ ~70℃	
Relative Humidity	85% (40°)	IEC 68-2-3 test Ca
Weight	3.5g	

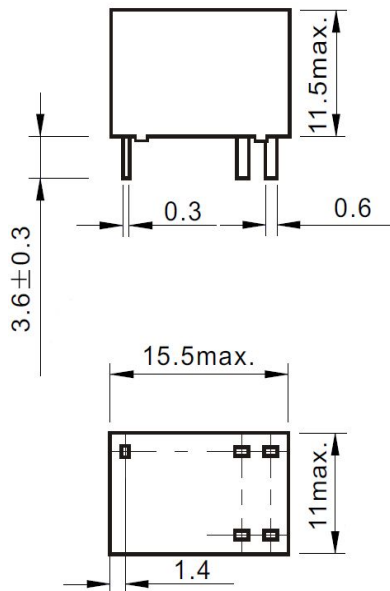
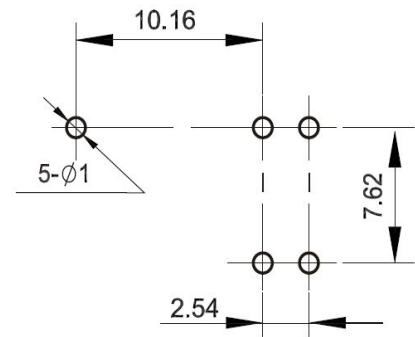
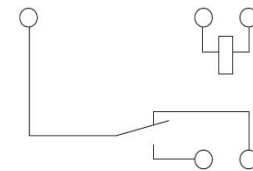
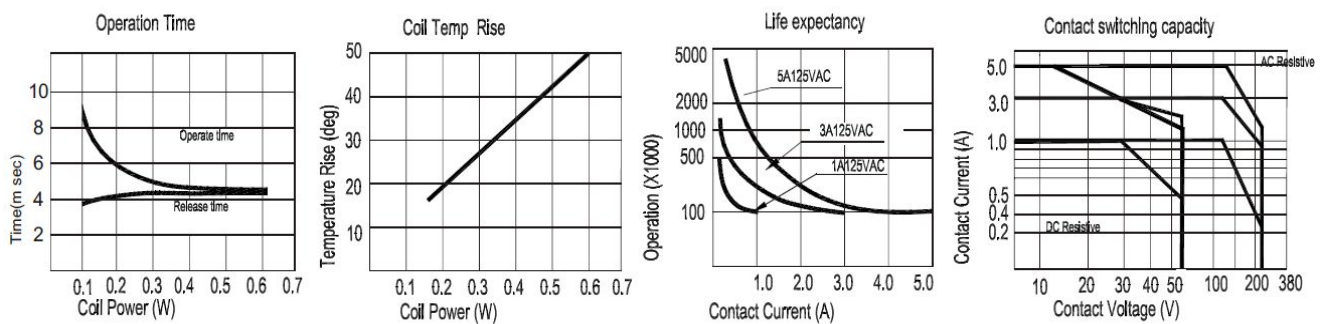
Designation

BS401 — **12** — **S** — **C** **20**
 1 2 3 4 5

- Model No.: BS401
- Rated Coil Voltage: 5V, 6V, 9V, 12V, 24V(DC)
- Package Type: S: Sealed
- Contact Form: A:NO B:NC C:SPDT
- Coil Power Consumption: 20:0.2W, 36:0.36W, 45:0.45W

Dimensions

Unit: mm

Outline Dimension

Bottom View Layout

Wiring Diagram (Bottom View)

Engineering Data


Note: All specifications are for customers' reference only. Please contact us for any special requirements.