

- ◆ 5A switching capability
- ◆ Subminiature
- ◆ High sensitive, coil power: 0.2W



### Contact Data

Contact Arrangement	1A
Contact Resistance	100mΩ
Contact Material	AgSnO <sub>2</sub> , AgCdO alloy
Contact Rating	5A 250VAC 3A 30VDC
Max. Switching Voltage	250VAC/30VDC
Max. Switching Current	5A
Max. Switching Power	1250VA/90W
Mechanical Endurance	1*10 <sup>7</sup> ops
Electrical Endurance	1*10 <sup>5</sup> ops

### Characteristics

Insulation Resistance	1000MΩ Min. (at 500VDC)	
Dielectric Strength b/w	Coil&Contacts	4000VAC 50/60Hz 1min
	Open Contacts	750VAC 50/60Hz 1min
Shock Resistance	Functional	98m/s <sup>2</sup> (10G)
	Destructive	980m/s <sup>2</sup> (100G)
Vibration Resistance	10Hz~55Hz 1.5mm DA	
Humidity	≤85% (at 20°C)	
Ambient Temperature	-40°C~85°C	
Termination	PCB	
Unit Weight	Approx. 1.8g	
Construction	Plastic Sealed, Flux Proofed	

### Coil Data 0.2W

The parameters listed are the initial values measured in the standard state, if the environmental state changes will have an impact on the actual parameters The standard state is: temperature: 23°C±5°C, humidity: 25%-75%

Nominal Voltage ( VDC )		Coil Resistance (Ω±10%)	Pick-up Voltage VDC Nominal Voltage	Drop-out Nominal	Coil Power (W)	Pick-up Time ( ms )	Drop-out Time ( ms )
Nominal	Max. ( at85°C )						
6	7.8	180	4.50	0.60	0.2	≤10	≤5
9	11.7	405	6.75	0.90			
12	15.6	720	9.00	1.20			
24	31.2	2880	18.00	2.40			

### Coil Data 0.36W

The parameters listed are the initial values measured in the standard state, if the environmental state changes will have an impact on the actual parameters The standard state is: temperature: 23°C±5°C, humidity: 25%-75%

Nominal Voltage ( VDC )		Coil Resistance (Ω±10%)	Pick-up Voltage VDC Nominal Voltage	Drop-out Nominal	Coil Power (W)	Pick-up Time ( ms )	Drop-out Time ( ms )
Nominal	Max. ( at85°C )						
6	7.8	100	4.50	0.60	0.36	≤10	≤5
9	11.7	225	6.75	0.90			
12	15.6	400	9.00	1.20			
24	31.2	1600	18.00	2.40			

### Soldering Conditions

Wave Soldering	260±5°C 3-5s ( sec )
Soldering Resistance	Must be free from any abnormality in both the constrection and characteristics after the terminals are dipped into solder at 260±5°C for 10 seconds and 350±5°C for 3 seconds and then left in room temperature and humidity for 2 hours

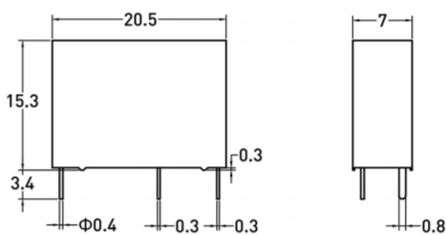
## ► Ordering Information

	SJS	- SS	1	5	D	M
Type						
Construction	SS : Plastic Sealed					
Pole	1 : Single Pole					
Coil Voltage	5 , 12 , 24 VDC					
Coil Power	D : 0.36W L : 0.2W					
Contact Form	M: 1 Form A					

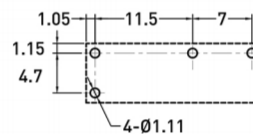
- \*1 ) We suggest to choose plastic sealed types and validate it in real application for an unclean environment (with contaminations like H<sub>2</sub>S, SO<sub>2</sub>, NO<sub>2</sub>, dust, etc), and verified by using it in real situations ;
- 2 ) Contact is recommended for suitable condition and specifications if water cleaning or surface process is involved in assembling relays on PCB ;
- 3 ) AgSnO<sub>2</sub> material contacts are recommended for application scenarios where capacitive loads, lamp loads, motor load lamps generate high inrush currents at the moment of relay turn-on ;
- 4 ) If customers have any special requirements, they need to contact our company for evaluation and then choose the corresponding product type according to the characteristics.

## ► Outline Dimensions, PCB Layout and Wiring Diagram ( Unit : mm )

1 Form A



PCB Layout



Wiring Diagram

