

## Features

- 2A switching capability
- High sensitivity products, coil power is 200mW
- Standard DIP Construction terminal
- microminiature、gold plated contact
- Suit for complete machine wave soldering and Integral cleaning process
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (20.2×10.0×11.5) mm
- Main application: Multilin、Automation、Communication



## CHARACTERISTICS

Specifications	Item		
Contact Data	Contact arrangement		2C
	Contact resistance(initial)		50mΩ(6VDC 1A)
	Contact material		AgNi+Gold Plating
Rated value	Rated load(Resistance load)		1A 125VAC 2A 30VDC
	Max.switching voltage		250VAC/30VDC
	Max.switching current		2A
	Max.switching capacity		125VA/60W
	Min.allowing load		10mV 10μA
Electrical performance	Insulation resistance(initial)		1000MΩ(500VDC)
	Dielectric strength (initial)	Between open contacts	750VAC,1min
		Between coil&contacts	1500VAC,1min
	Operate time		≤8ms
	Release time		≤5ms
Mechanical performance	Shock resistance	Functional	98m/s <sup>2</sup> (10g)
		Destructive	980m/s <sup>2</sup> (100g)
	Vibration resistance		10Hz~55Hz 1.5mm DA
Endurance	Mechanical		1×10 <sup>7</sup> ops
	Electrical		1A 125VAC 1×10 <sup>5</sup> ops (ON/OFF=1s/9s) 2A 30VDC 1×10 <sup>5</sup> ops (ON/OFF=1s/9s)
Operate condition	Ambient temperature		-40℃~85℃
	Humidity		5% to 90%
Termination			PCB(DIP Encapsulation)
Unit weight			Approx.5g
Construction			Plastic sealed

## ■ COIL DATA(23°C)

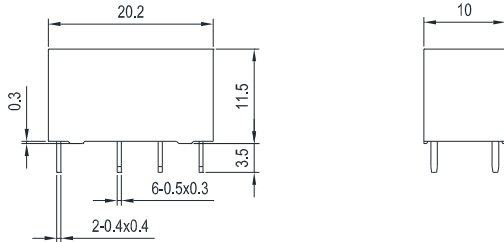
Nominal Voltage	Pick-up Voltage VDC	Drop-out Voltage VDC	Rated Current(±10%)	Coil Resistance (±10%)	Nominal Power	Max Voltage
DC 3V	≤2.25	≥0.15	66.7mA	45Ω	200mW	130%Nominal Voltage
DC 5V	≤3.75	≥0.25	40mA	125Ω		
DC 6V	≤4.50	≥0.30	33.3mA	180Ω		
DC 9V	≤6.75	≥0.45	22.2mA	405Ω		
DC 12V	≤9.00	≥0.60	16.7mA	720Ω		
DC 15V	≤11.25	≥0.75	13.3mA	1128Ω		
DC 18V	≤13.50	≥0.90	11.1mA	1620Ω		
DC 24V	≤18.00	≥1.20	8.3mA	2880Ω		

## ■ ORDERING INFORMATION

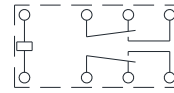
	<b>W32</b>	<b>-2C</b>	<b>S</b>	<b>-XXX</b>	<b>DC5V</b>
① Type					
② Contact arrangement: 2C=2 sets of switched contacts					
③ Construction: S=Plastic sealed					
④ Customer special code: numbers or letters denote customer's requirements					
⑤ Coil specification: DC3/5/6/9/12/15/18/24V					

## OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT (Unit: mm)

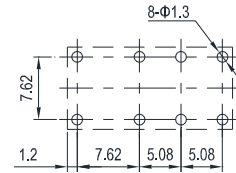
### 2C nOutline Dimensions



### Wiring Diagram (Bottom view)



### PCB Layout (Bottom view)

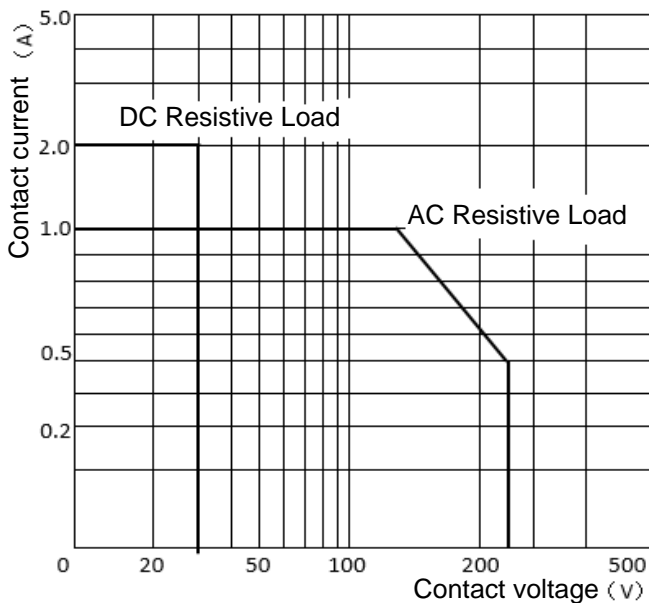


Notes: (1) In case of no tolerance shown in outline dimension: outline dimension  $\leq 1$  mm, tolerance should be  $\pm 0.2$  mm; outline dimension  $> 1$  mm and  $< 5$  mm, tolerance should be  $\pm 0.3$  mm; outline dimension  $\geq 5$  mm, tolerance should be  $\pm 0.5$  mm.

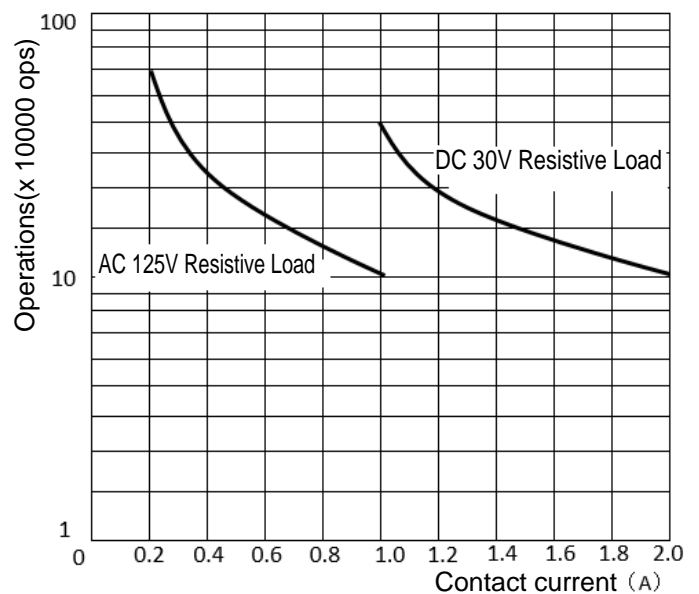
(2) The tolerance without indicating for PCB layout is always  $\pm 0.1$  mm.

## PERFORMANCE CURVES

MAXIMUM SWITCHING POWER



ENDURANCE CURVE



## NOTICE

- ① If the relay needs to be cleaned or used in bad environment (e.g.: dust or organic gas), we recommend plastic sealed type.
- ② The specification is for reference only, specifications subject to change without notice.