

## ● Features

- 2 Form C configuration
- Bifurcated contacts
- Low coil consumption, high sensitivity
- Environmental friendly product (RoHS compliant)
- Dimensions: 20.2 x 10.0 x 12.0 mm



## ● Application

- Telecommunication Equipment / Office Equipment / Security Alarm Systems / Measuring instruments / Medical Monitoring Equipment / Audio Visual Equipment / Flight Simulator / Sensor Control, etc.

## ● Contact Data

Contact Arrangement	2C
Contact Material	Ag Alloy
Contact Rating	2A 125VAC, 2A 28VDC
Max. Switching Power	60VA / 56W
Max. Switching Voltage	125VAC / 28VDC
Max. Switching Current	2A
Contact Resistance	≤ 50mΩ (6VDC 0.1A)
Electrical Endurance	1x10 <sup>5</sup>
Mechanical Endurance	1x10 <sup>7</sup>

## ● Coil Parameter (at 23°C)

0.15W Type

Coil Voltage (VDC)		Coil Resistance (Ω±10%)	Pickup Voltage(max) (VDC)	Release Voltage(min) (VDC)	Coil Power Consumption (W)
Rated	Max.				
5	6.5	167	3.75	0.5	0.15
6	7.8	240	4.50	0.6	

- Coil Parameter (at 23°C)

## 0.15W Type

Coil Voltage (VDC)		Coil Resistance ( $\Omega \pm 10\%$ )	Pickup Voltage(max) (VDC)	Release Voltage(min) (VDC)	Coil Power Consumption (W)
Rated	Max.				
9	11.7	540	6.75	0.9	0.15
12	15.6	960	9.00	1.2	
24	31.2	3840	18.0	2.4	

## 0.20W Type

Coil Voltage (VDC)		Coil Resistance ( $\Omega \pm 10\%$ )	Pickup Voltage(max) (VDC)	Release Voltage(min) (VDC)	Coil Power Consumption (W)
Rated	Max.				
5	6.5	125	3.75	0.5	0.20
6	7.8	180	4.50	0.6	
9	11.7	405	6.75	0.9	
12	15.6	720	9.00	1.2	
24	31.2	2880	18.0	2.4	

- Operation Condition

Insulation Resistance		1000M $\Omega$ min (at 500VDC)
Dielectric Strength	Between Contacts	1000V
	Between Contact and coil	1000V
Shock Resistance	Functional	98m/s <sup>2</sup>
	Endurance	980m/s <sup>2</sup>
Vibration Resistance		10~55Hz double amplitude 1.5mm
Ambient Temperature		-25 ~ +85°C
Operate Time		$\leq 7.5$ ms

## ● Operation Condition

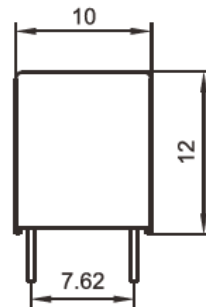
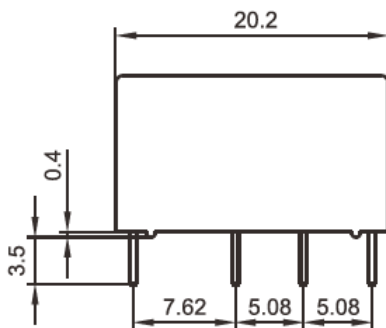
Release Time	≤ 5ms
Relative Humidity	5%~85%
Weight	Approx.5g

## ● Ordering Information

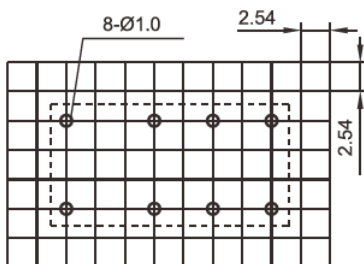
		<b>RZ2</b>	<b>S</b>	<b>12V</b>	<b>200mW (XXX)</b>
<b>Model</b>					
<b>Coil Sensitive</b>	<b>S:</b> Sensitive				
<b>Coil Voltage</b>	5, 6, 9, 12, 24 VDC				
<b>Coil Power</b>	<b>150mW:</b> 150mW <b>200mW:</b> 200mW				
<b>Special Code</b>	<b>Nil:</b> Standard <b>XXX:</b> Customer special requirement				

## ● Dimensions (UNIT: mm)

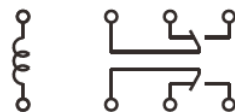
### Outline Dimensions



### Mounting (Bottom views)

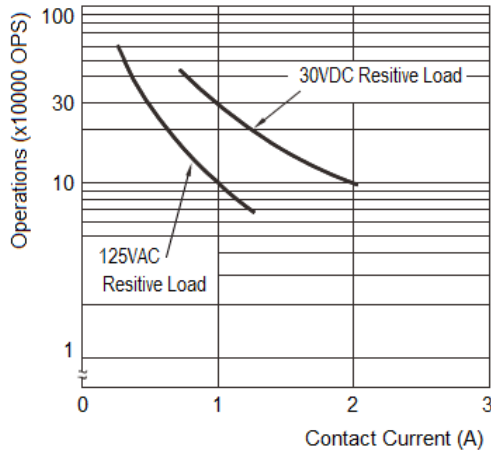


### Wiring Diagram (Bottom views)



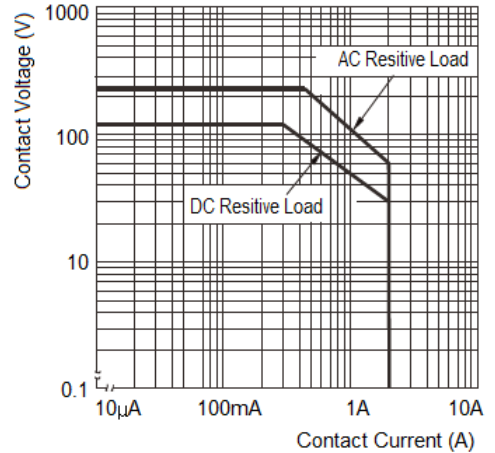
## ● Engineering Data (UNIT: mm)

### Endurance Curve



Test Conditions: Resistive load, 85°C, 1s on 9s off.

### Max. Switching Power



Remark: 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  $\pm 0.5\text{mm}$ .

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

### Disclaimer

The specification is for reference only. See to "Terminology and Guidelines" for more information. Specifications subject to change without notice. We could not evaluate all the performance and all the parameters for every possible application. Thus the user should be in a right position to choose the suitable product for their own application. If there is any query, please contact IOEC for the technical service. However, it is the user's responsibility to determine which product should be used only.

In & Out Electronic Corporation. All rights of IOEC are reserved.