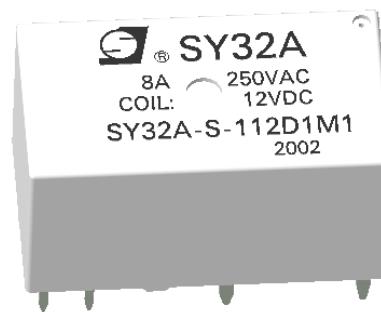


**Features:**

- 8A switching capacity
- Low power consumption, strong anti-shock resistance
- Compact size, PCB mount
- Superior electrical durability and reliability
- Single/Dual coils available
- Environmentally friendly products(Accord RoHS)
- Dimensions: 20.2 mm×11.1mm×10.5 mm

**Typical Application:**

- Smart home
- Electrical control

**Approvals**

CQC (File No.): CQC22002368089

**Contact Data**

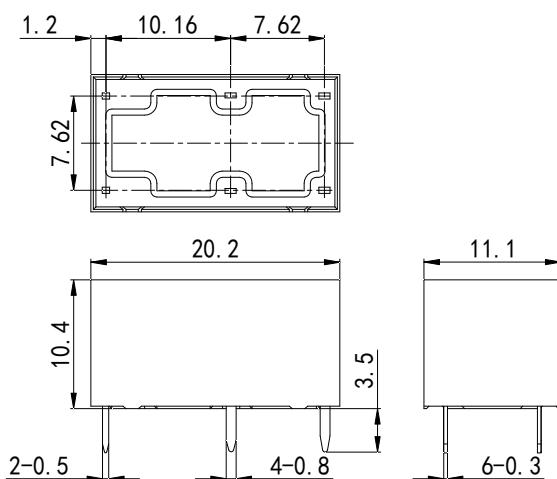
Contact form	1 Form A or 1 Form B
Rated Load	8A 250VAC
Max.switching voltage	250V
Max.switching current	8A
Max.switching power	2,000VA
Contact Material	Silver alloy
Contact resistance	≤100mΩ
Max.Operate/Release time	10ms/10ms
Electrical Endurance	5x10 <sup>4</sup> cycles (8A 250VAC Resistive load )
Mechanical Endurance	1x10 <sup>7</sup> cycles

**Insulation Data**

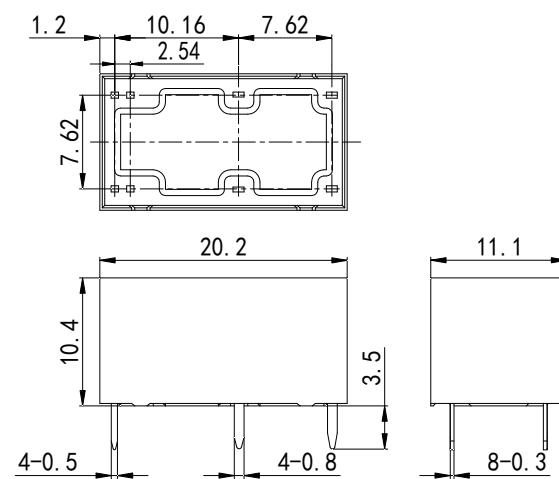
Insulation Resistance	≥1,000MΩ (500VDC)
Dielectric Strength	Contact-Contact AC1,000V; 50/60Hz 1min Contact-Coil AC2,000V; 50/60Hz 1min

**Outline Dimensions (Unit: mm)**

Type A



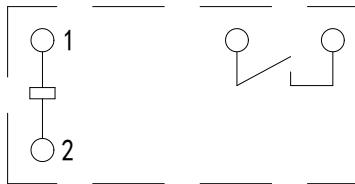
Type B



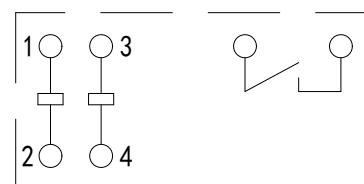
Note: Some product dimensional tolerance is not specified. When <1mm, the tolerance is ±0.2mm; when between 1~5mm, the tolerance is ±0.3mm; when >5mm, the tolerance is ±0.4mm.

**Wiring Diagrams**
**Single**

Positive polarity	1+	Close	2-
	1-	Open	2+
Reverse polarity	1-	Close	2+
	1+	Open	2-


**Dual**

Positive polarity	1+	Close	2-
	3+	Open	4-
Reverse polarity	1-	Close	2+
	3-	Open	4+


**Model naming rules**

SY32A -S -1 12 D 1M 1

Coil type: 1-Single coil; 2-Dual coils

Contact form: 1M - 1 group of normally open contacts

Coil Power Consumption: D - Standard Type

Coil Specifications (VDC): 05 , 06 , 09 , 12 , 24

Contact groups: 1-1 group

Packaging type: S-Plastic encapsulation

Type: SY32A

Customized special suffix is available after being evaluated by Sanyou.

**Examples of Ordering Codes**

SY32A-S-112D1M1

Relay SY32A, Plastic encapsulation, 1 group of contacts, Rated coil voltage 12VDC, Standard Type, 1 group of normally open contacts, Single coil

**Cautions**

1. The original position of latching relay is "closed" when shipping. It is possible that during transit or installation, the relay may change its state to be "open" position, it is recommended to set the relay in to state needed via apply voltage to the coil.
2. In order to let relay operate normally, the voltage which apply to the coil should reach to the rated voltage, the pulse width should be 50ms to 100ms. Do not energize both coil at the same time on Dual coil or energize the coil for longer than minute.
3. Relay without copper wire, the terminal can not be soldered, bend, and rigid fasten both two terminals.
4. Keep away from corrosive gas and other condition which may damage the relay.

**Disclaimer**

This product specification is for reference only and may change without prior notice. Customers should select the appropriate product model according to the performance parameter requirements of their specific application areas. The customer will bear the responsibility and loss caused by improper selection. For more technical support, please contact Sanyou Corporation Limited.