

No: SR-2-019-02-A

App

Chk

Dwg

Date

## Specification Sheet

### Relay S30-24-1X-200

1.Scope: This specification covers Relay S30-24-1X-200  
(It Includes specifications and drawings)

## Approval Blank

Please sign & chop for the approval of the specification for the specified in this drawing.

*SHORI* Electric Co., Ltd

No: SR-2-019-02-A

Relay Model :S30-24-1X-200 192 Ohm

## General Performance

1.Application :Inverter used for photovoltaic power generation systemstc 、 UPS

2.Safety Approval :

## 3.Contact Specification

3-1 Contact Form :1 Form X  
3-2 Contact Material :Silver alloy  
3-3 Rated Carrying Current :200A  
3-4 Max. Allowable Voltage :830VAC  
3-5 Rated Load :200A/800VAC  
Resistance Load (CosØ=1)

## 4.Electrical Specification

(at 23 Degree Celsius)

4-1 Nominal Voltage :24VDC  
4-2 Nominal Current :125mA  
4-3 Pick Up Voltage :16.8VDC (70% of the Nominal Voltage Max)  
4-4 Drop Out Voltage :2.4VDC (10% of the Nominal Voltage Min)  
4-5 Maximum Applicable Voltage :28.8VDC  
4-6 Coil Resistance :192 Ohm+/- 10%  
4-7 Operate Time :30ms  
4-8 Release Time :10ms  
4-9 Power Consumption :3.0W

## 5.Service Life

5-1 Electrical Service Life :30,000 ops. (frequency 360 ops./hr)  
5-2 Mechanical Service Life :10,000,000 ops. (frequency 9,000 ops./hr)

## 6.Dielectric Strength

6-1 Between Coil and Contact :5000VAC for 1 minute  
6-2 Between Contact :2000VAC for 1 minute.

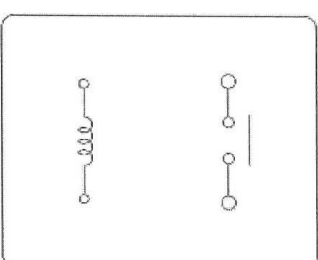
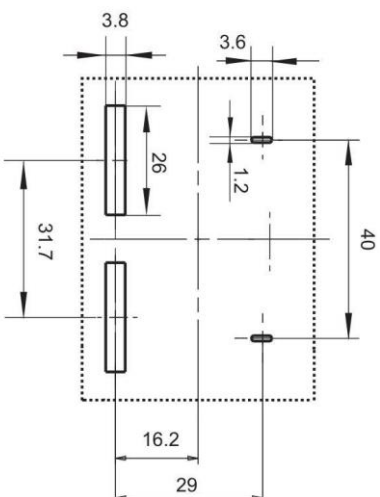
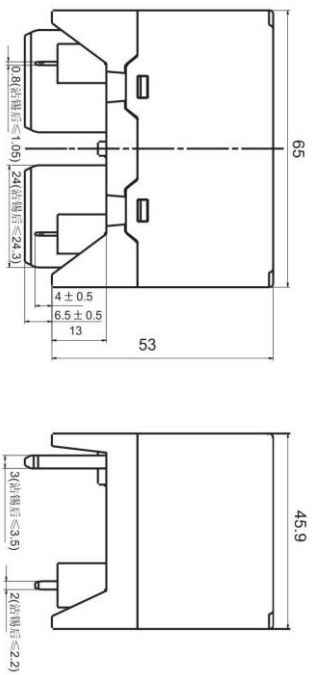
7.Insulation Resistance :1000MΩ Min(DC 500V)

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8.Contact resistance	:100m $\Omega$ Max. ( at 6VDC 1A )
9.Vibration	
9-1 Error Operational	:10 to 55 Hz Double Amplitude 1.5 mm
9-2 Endurance	:10 to 55 Hz Double Amplitude 1.5 mm
10.Shock resistance	
10-1 Endurance	:100G Min
10-2 Error Operation	:10 G Min
11.Ambient temperature	:-40°C ~ +85°C
12.Humidity	:20% to 85%RH
13.Weight	:about 215g
14. Sample testing method	:MIL-STD-105E Level-General H AQL-0.4
15.Part Number Arrangement,	
S30 --- 24 --- 1X ---200	
(1)   (2)   (3)   (4)	
(1) Relay Model	
(2) Coil Voltage	
(DC: 6, 9, 12, 24V)	
(3) Contact Form	
1X:SPDM	
(4)Switching Current	
200:200A	

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## Outline diagram

## PCB Layout

## Wiring diagram

注: 1. 未注公差尺寸

$<1\text{mm}:\pm 0.2\text{mm}$

1–5mm:±0.3mm

>5mm:±0.4mm

2. 安装孔尺寸公差 $+0.1\text{mm}$

3. 引脚间距尺寸公差为 $\pm 0.2\text{mm}$

[illegible]