

No: SR-2-019-02-A

App	Chk	Dwg	Date

Specification Sheet

Relay S30-24-1X-90

1. Scope: This specification covers Relay S30-24-1X-90
(It Includes specifications and drawings)

Approval Blank

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

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No: SR-2-019-02-A

Relay Model :S30-24-1X-90 300Ohm

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 :100A

3-4 Max. Allowable Voltage :1000VAC

3-5 Rated Load :100A/1000VAC

Resistance Load (CosØ=1)

4.Electrical Specification

(at 23 Degree Celsius)

4-1 Nominal Voltage :24VDC

4-2 Nominal Current :80mA

4-3 Pick Up Voltage :18VDC (75% of the Nominal Voltage Max)

4-4 Drop Out Voltage :1.2VDC (5% of the Nominal Voltage Min)

4-5 Maximum Applicable Voltage :26.4VDC

4-6 Coil Resistance :300 Ohm+/- 10%

4-7 Operate Time :35ms

4-8 Release Time :30ms

4-9 Power Consumption :1.92W

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 :4000VAC for 1 minute

6-2 Between Contact :2500VAC for 1 minute.

7.Insulation Resistance :100MΩ Min(DC 1000V)

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No: SR-2-019-02-A

8.Contact resistance	:100mΩ 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 77g
14. Sample testing method	:MIL-STD-105E Level-General H AQL-0.4

15.Part Number Arrangement,

S30 --- 24 --- 1X ---90

(1) (2) (3) (4)

(1) Relay Model

(2) Coil Voltage

(DC:6, 9, 12, 24V)

(3) Contact Form

1X: SPDM

(4) Switching Current

90: 90A

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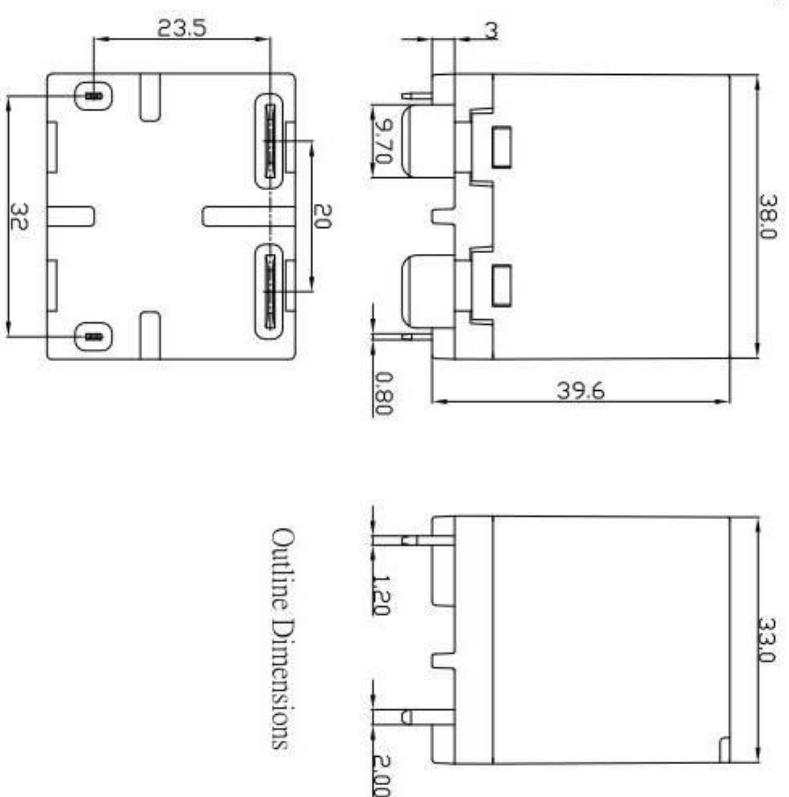
注: 1. 未注公差尺寸

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

1-5mm: $\pm 0.3\text{mm}$

>5mm: $\pm 0.4\text{mm}$

2. 安装孔尺寸公差 $\pm 0.1\text{mm}$



Outline Dimensions

Wiring Diagram

R0030-1

版本				
第 1 版	更改标记	数量	更改单号	签名
底图总号	设计			日期
	绘图			
	审核			
日期	签名			
	标准化			
	批注			

江华晟瑞电子有限公司