

No: SR-2-019-02-A

App

Chk

Dwg

Date

Specification Sheet

Relay S30-24-1X-75

1.Scope: This specification covers Relay S30-24-1X-75
(It Includes specifications and drawings)

Approval Blank

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

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Relay Model :S30-24-1X-75 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 :75A
3-4 Max. Allowable Voltage :1000VAC
3-5 Rated Load :75A/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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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 ---75	
(1) (2) (3) (4)	
(1) Relay Model	
(2) Coil Voltage	
(DC:6, 9, 12, 24V)	
(3) Contact Form	
1X: SPDM	
(4) Switching Current	
75: 75A	

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