

PCB Mount Solid State Relay

Single Phase AC Output

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Description

The industrial single phase relay with SCR output is widely used in industry applications, PCB mounted. The relay can be used for resistive, inductive or capacitive load. The control voltage is 4-32V DC, the load voltage is 240V AC, output current is rated at 25A.

**RoHS
Compliant**

Application

Lighting control, Medical equipment, Elevator, Electric control door.

Features

- Zero-crossing or Random-on Switching
- Rated Load Current: 25A @ 24-280V AC
- DC Input
- SCR Output
- Built-in RC Snubber Circuit and TVS Optional

Technical Specification

Input Circuit		
Control Voltage Range		4-32V DC
Minimum Turn-on Voltage		4V DC
Minimum Turn-off Voltage		1V DC
Maximum Input Current	Random-on	25mA @ 32V DC
	Zero Crossing	18mA @ 32V DC
Output Circuit		
Load Voltage Range		24-280V AC
Maximum Turn-on Time	Random-on	1ms
	Zero Crossing	10ms
Maximum Turn-off Time		10ms
Maximum Surge Current [@10ms]		250A
Transient Over Voltage		600Vpk
Maximum Off-State Leakage Current [@ Rated Voltage]	With RC	5mA
	Without RC	0.1mA
Maximum On-State Voltage Drop [@ Rated Current]		1.5Vrms
Minimum Off-State dv/dt [@ Maximum Rated Voltage]		500 V/μs
General Information		
Dielectric Strength, [50/60Hz]	Input/Output	4000Vrms
	Input,Output/Base	2500Vrms

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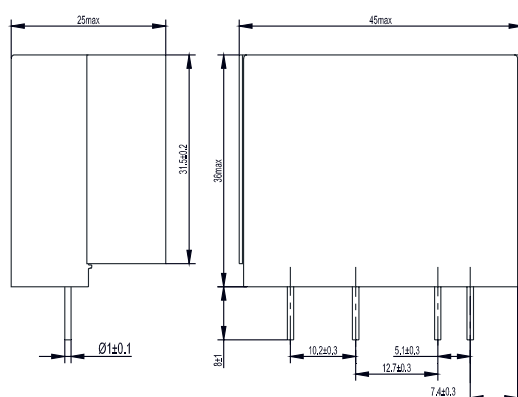
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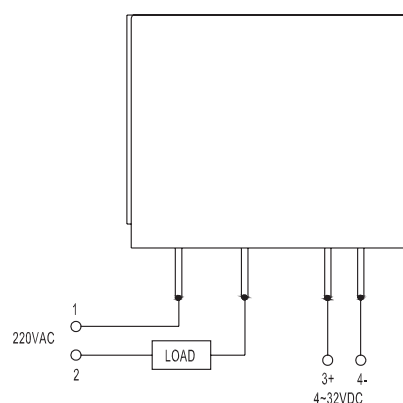
Power Factor	>0.5
Ambient Operating Temperature Range	-30°C to +80°C
Ambient Storage Temperature Range	-30°C to +100°C
Weight [Typical]	50g

Installation Drawing

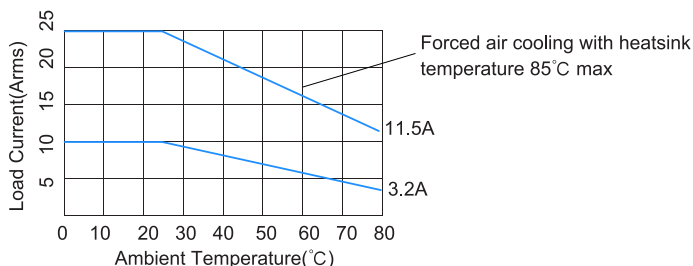


Dimensions : Millimetres

Wiring Diagram



Installation Drawing



Part Number Table

Description	Part Number
SSR, PCB Mount, 25A, 240V AC, 4-32V DC, Zero Crossing, W/ Heat Sink	MC002252
SSR, PCB Mount, 25A, 240V AC, 4-32V DC, Random Turn on, W/ Heat Sink	MC002253

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