

# PCB Mount Solid State Relay Single Phase AC Output



RoHS  
Compliant



## 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.

## 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/ $\mu$ s
General Information		
Dielectric Strength, [50/60Hz]	Input/Output	4000Vrms
	Input,Output/Base	2500Vrms

www.element14.com  
www.farnell.com  
www.newark.com



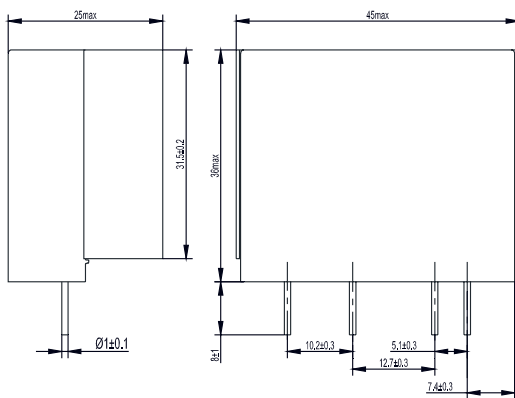
# PCB Mount Solid State Relay

## Single Phase AC Output



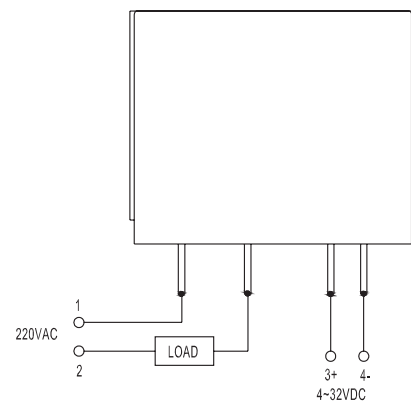
Power Factor	>0.5
Ambient Operating Temperature Range	-30°C to +80°C
Ambient Storage Temperature Range	-30°C to +100°C
Weight [Typical]	50g

### Installation Drawing

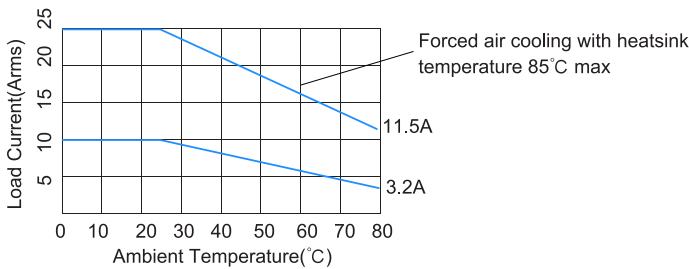


Dimensions : Millimetres

### 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

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp is the registered trademark of the Group. © Premier Farnell Limited 2016.

www.element14.com  
 www.farnell.com  
 www.newark.com

