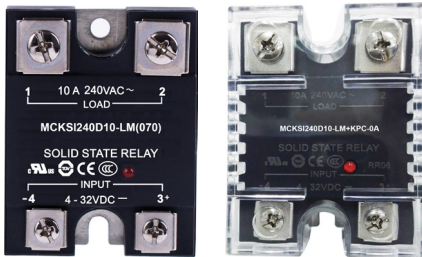


# Solid State Relay



RoHS  
Compliant



## Description

The product is an industrial single phase relay with SCR output is widely used in many industrial applications. The relay can be used for resistive, inductive or capacitive load. The control input voltage is 4-32VDC . The output current is rated at 10A, 25A @ 48-280V AC.

## Features

- Zero Switching or Random-on Switching
- Ratings from 10A to 25A @ 48-280V AC
- SCR Output
- DC Input
- Superior Thermal Performance
- Dielectric Strength 4000VACrms
- MOV Protection Circuit as Optional

## Applications

Suitable for high-low temperature chamber, plastics machinery, incubation machine, oiling machine, HVAC, elevator lighting, fountain controller.

## Technical Specification

### Input Circuit

Control Voltage Range	: 4V DC to 32V DC
Min. Turn-On Voltage	: 4V DC
Min. Turn-Off Voltage	: 1V DC
Max. Input Current	: 25mA

### Output Circuit

Load Voltage	: 48 ~ 280V AC
Turn-on Time	: 10ms
Max. Turn-off Time	: 10ms
Max. Surge Current [@10ms]	
10A	: 100A
25A	: 250A
Max. I <sup>2</sup> t For Fusing [@10ms]	
10A	: 50A <sup>2</sup> S
25A	: 312A <sup>2</sup> S



# Solid State Relay

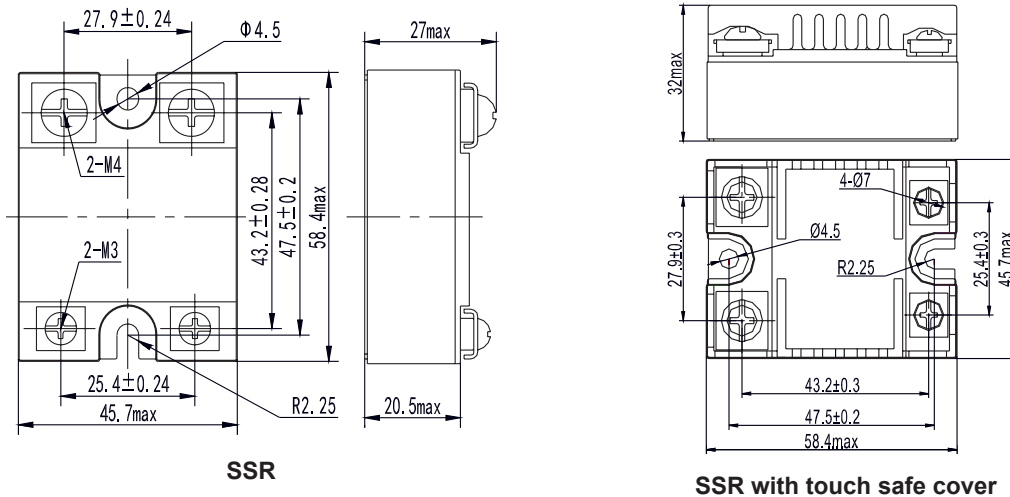


Transient Over Voltage : 600Vpk  
 Max. Off-State Leakage Current [@ Rated Voltage] : 5mA  
 Max. On-state Voltage Drop [@ Rated Current] : 1.5Vrms  
 Min. Off-state dv/dt [@ Max. Rated Voltage] : 500V/μs

## General Information

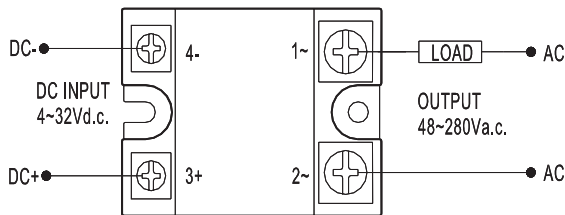
Dielectric Strength (50/60Hz)  
 Input/Output : 4000Vrms  
 Input, Output/Base : 2500Vrms  
 Ambient Operating Temperature Range : -30°C to +80°C  
 Ambient Storage Temperature Range : -30°C to +100°C  
 Weight (Typical) (Quick Connection Terminal) : 96g

## Diagram



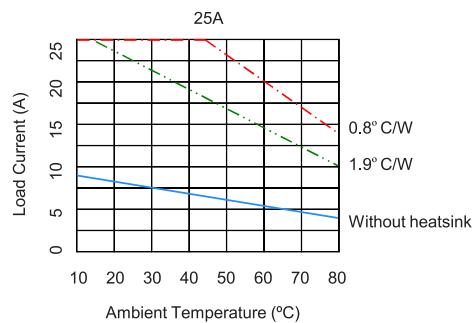
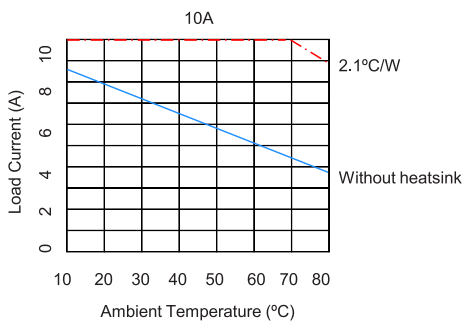
SSR

SSR with touch safe cover



## Thermal Curve

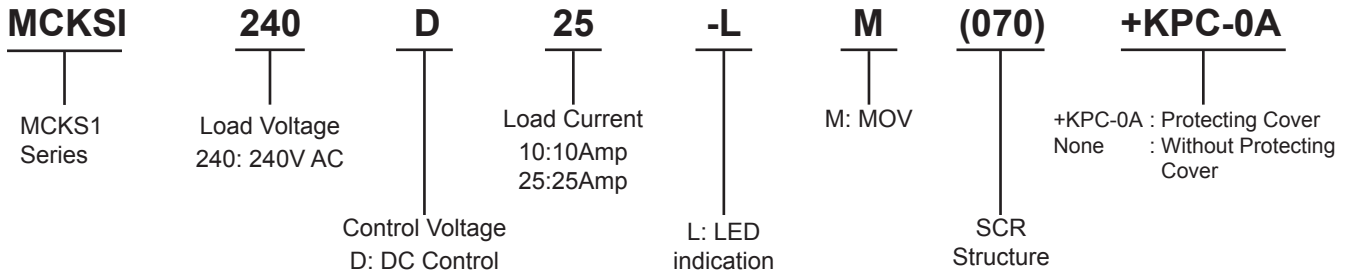
Dimensions : Millimetres



# Solid State Relay



## Part Number Explanation



## Part Number Table

Description	Part Number
SSR, 10A, 48-280V AC, 4-32V DC	MCKSI240D10-LM(070)
SSR, 10A, 48-280V AC, 4-32VDC	MCKSI240D10-LM+KPC-0A
SSR, 25A, 48-280V AC, 4-32V DC	MCKSI240D25-LM(070)
SSR, 25A, 48-280V AC, 4-32V DC	MCKSI240D25-LM(070)+KPC-0A

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