

RoHS  
Compliant



## Description

This is an industrial 2 channel relay with SCR output, widely used in industry applications. The relay can be used for resistive, inductive or capacitive load. The load voltage is 24-530V AC, output current is rated at 25A. The load voltage is 240 Volts.

## Features

- Zero crossing switch
- Load current: 40A @24-530V AC
- SCR output
- DC input
- Opto-isolation:  $\geq 4000VAC_{rms}$
- IP20 safety cover protection (Option)

## 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 15V DC
Min. Turn-On Voltage	: 4V DC
Min. Turn-Off Voltage	: 1V DC
Max. Input Current	: 50mA

### Output Circuit

Load Voltage Range	: 24 ~ 280V AC
Max. Turn-On Time	
Zero Crossing	: 10ms
Max. Turn-off Time	: 10ms
Max. Surge Current (@10 ms) (25A)	: 300A
Max. I <sup>2</sup> t For Fusing (@10ms) (60A)	: 450A <sup>2</sup> S
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[@Maximum Rated Voltage]	: 500V/ $\mu$ s

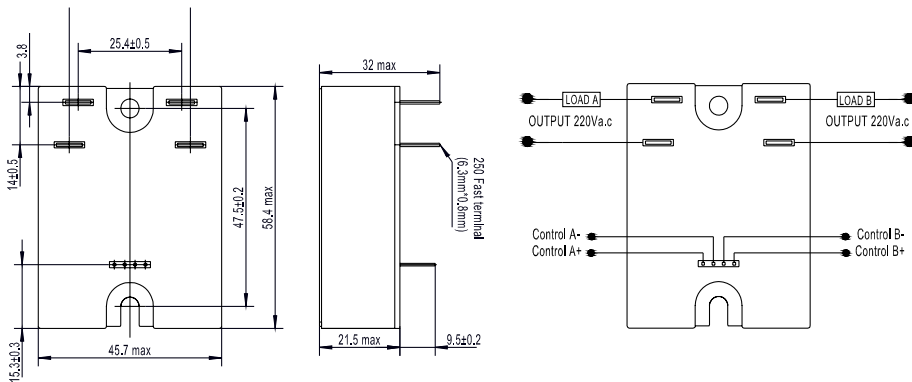
# Solid State Relay

**multicomp** PRO

## General Information

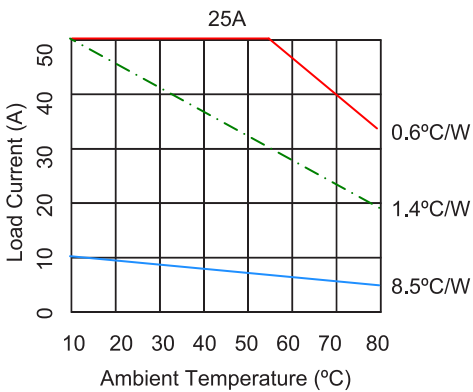
Dielectric Strength (50/60Hz)  
 Input/Output :  $\cong 4000V_{rms}$   
 Input, Output/Base :  $\cong 2500V_{rms}$   
 Ambient Operating Temperature Range :  $-30^{\circ}C$  to  $+80^{\circ}C$   
 Ambient Storage Temperature Range :  $-30^{\circ}C$  to  $+100^{\circ}C$   
 Weight (Typical) (Quick Connection Terminal) : 100g

## Diagram



Dimensions : Millimetres

## Thermal Curve



## Part Number Table

Description	Part Number
SSR, DUAL, 25A, 240V AC	MCKSID240LD25

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