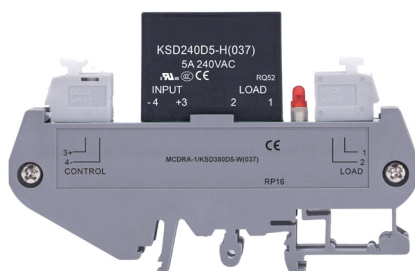


# Solid State Relay

**RoHS  
Compliant**



## Description

The product is a single channel din-rail mounted module with 5A. Control voltage is 4-32V DC and isolation voltage is 4000VACrms with a high EMC capability and high inrush current.

## Features

- Load Current: 0.1A to 5A
- Din Rail Mounted
- DC Control
- LED Indication
- High EMC Capability
- High Inrush Current

## Applications

Suitable for Automatic Equipment, Control System, Entertainment Equipment.

## Technical Specification

### Input Specifications

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

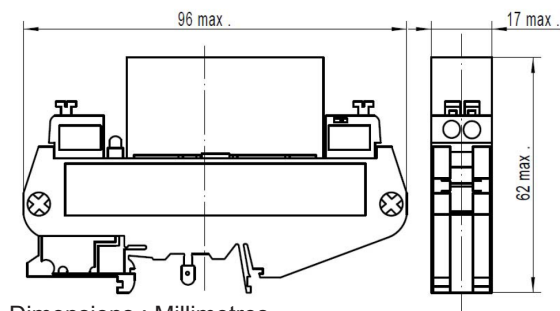
Load Voltage Range	: 48 ~ 440V AC
Transient Overvoltage	: 800Vpk
Load Current Range	: 0.1 ~ 5A
Max. Turn-On Time	
Zero Crossing	: 1/2AC Cycle + 1ms
Max. Turn-off Time	: 1/2AC Cycle + 1ms
Max. Surge Current (@10 ms) (5A)	: 60A
Max. Off-State Leakage Current [@ Rated Voltage]	: 5mA
Max. On-State Voltage Drop [@ Rated Current]	: 1.5Vrms
Min. Off-State dv/dt[@Maximum Rated Voltage]	: 200V/μs

### General Information

Dielectric Strength Input/Output	: $\geq 4000V_{rms}$
Ambient Operating Temperature Range	: -30°C to +80°C
Ambient Storage Temperature Range	: -30°C to +100°C
Weight (Typical)	: 55g

# Solid State Relay

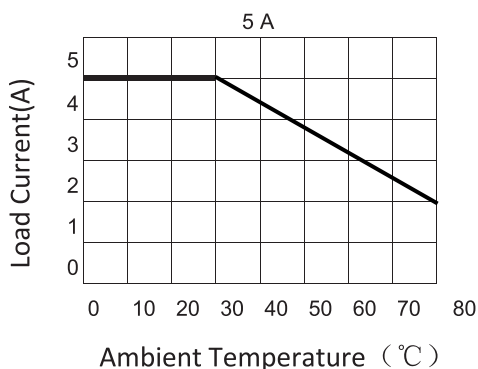
## Diagram



Dimensions : Millimetres



## Thermal Curve



## Part Number Table

Description	Part Number
SSR, DIN Module, 440V DC, 5A, 4-32V DC	MCDRA-1/KSD380D5-W(037)

**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.