

# Solid State Relay

**RoHS  
Compliant**



## Description

The product is a single channel din-rail mounted module with SSR of max load current at 20A. The control voltage is 3-10V DC and dielectric strength is at 2500VACrms. Load voltage is 60V DC. It is widely used in industrial automations such as DC motor, DC power supply and all kinds of electromagnetic devices.

## Features

- Load Current: 0.1A to 20A
- Din Rail Mounted
- DC Control
- LED Indication
- Dielectric Strength:  $\geq 2500\text{VACrms}$

## Applications

Suitable for control and isolation between control signal and high current as interface. It is widely used in industrial automations such as DC motor, DC power supply and all kinds of electromagnetic devices.

## Technical Specification

### Input Specifications

Control Voltage Range	: 3V DC to 10V DC
Min. Turn-On Voltage	: 3V DC
Min. Turn-Off Voltage	: 1V DC
Max. Input Current	: 15mA

### Output Circuit

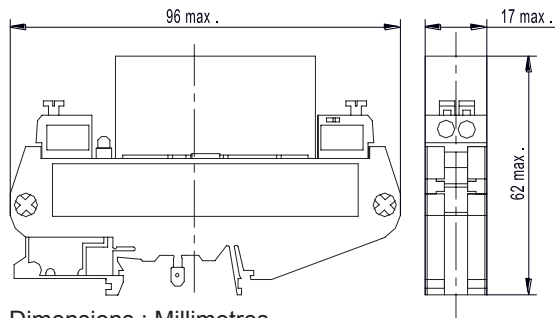
Load Voltage Range	: 0 ~ 60V AC
Transient Overvoltage	: 60Vpk
Max. Surge Current (@10 ms) (20A)	: 100A
Max. Turn-on Time	: 1ms
Max. Turn-off Time	: 1ms
Max. Off-State Leakage Current [@ Rated Voltage]	: 0.1mA
Max. On Resistance (60V DC/20A)	: 3.6m $\Omega$

### General Information

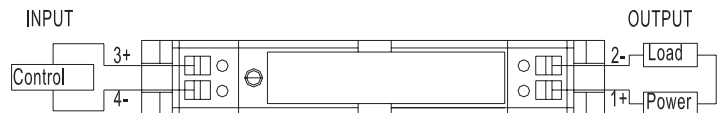
Dielectric Strength Input/Output (50/60Hz)	: $\geq 2500\text{Vrms}$
Ambient Operating Temperature Range	: -30°C to +80°C
Ambient Storage Temperature Range	: -30°C to +100°C
Weight (Typical)	: 55g

# Solid State Relay

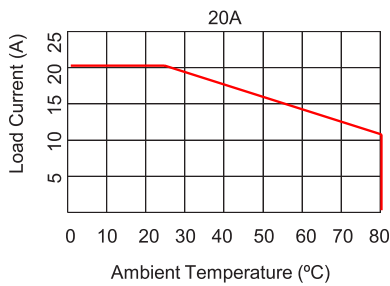
## Diagram



Dimensions : Millimetres



## Thermal Curve



## Part Number Table

Description	Part Number
SSR, DIN Module, 60V DC, 20A, 3-10VDC	MCDRA-1/KSL60D20-L