

RoHS  
Compliant



## Description

The product is printed board mounted DC output solid state relay. Compact size and high inrush current. Load voltage is 60V DC.

## Features

- MOSFET output
- Low on-state resistance
- Opto-isolation
- Dielectric strength  $\geq 2500\text{VACrms}$
- PCB mounted
- Load current is 20 Amps

## Applications

Suitable for control and isolation between control signal and high current as interface, widely used in different kinds of DC motor, DC power supply, electromechanical device etc.

## Technical Specification

### Input Circuit

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 DC
Transient Overvoltage	: 80Vpk
Maximum Surge Current [ @10ms ] (20A)	: 100A
Max. Turn-on Time	: 1ms
Max. Turn-off Time	: 1ms
Max. Off-State Leakage Current [ @ Rated Voltage ]	: 0.1mA
Max. On Resistance (20A)	: 3.6m $\Omega$

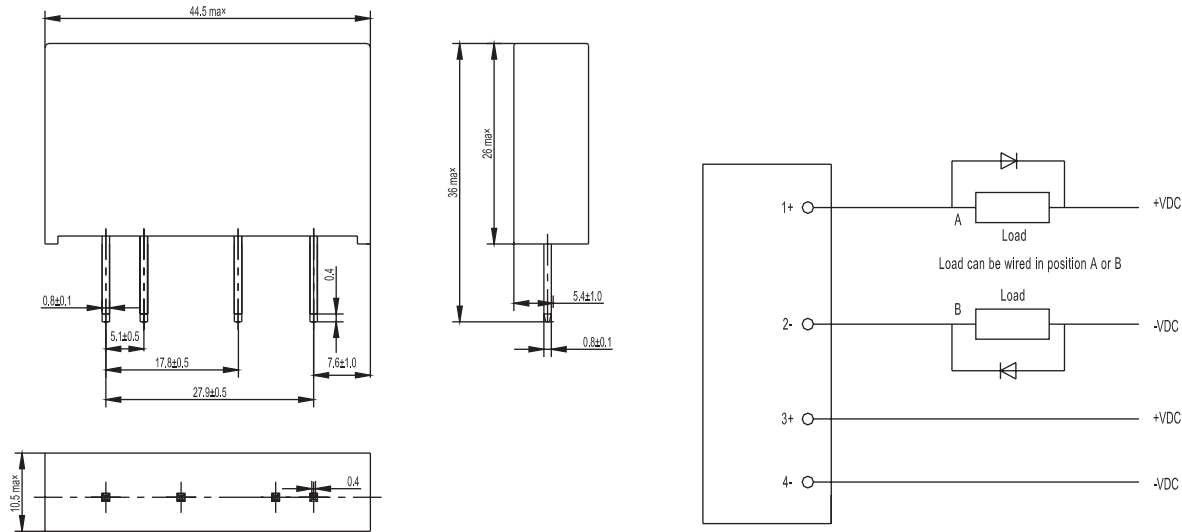
### General Information

Dielectric Strength (50/60Hz)	
Input/Output	: $\geq 2500\text{Vrms}$
Ambient Operating Temperature Range	: -30°C to +80°C
Ambient Storage Temperature Range	: -30°C to +100°C
Weight (Typical) (Quick Connection Terminal)	: 20g

Newark.com/multicomp-pro  
Farnell.com/multicomp-pro  
Element14.com/multicomp-pro

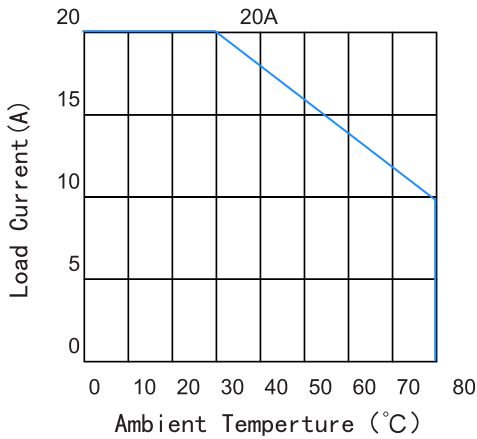
# Solid State Relay

## Diagram



Dimensions : Millimetres

## Thermal Curve



## Part Number Table

Description	Part Number
SSR, 20A, 60V DC, 3-10V DC	MCKSL60D20-L

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