

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

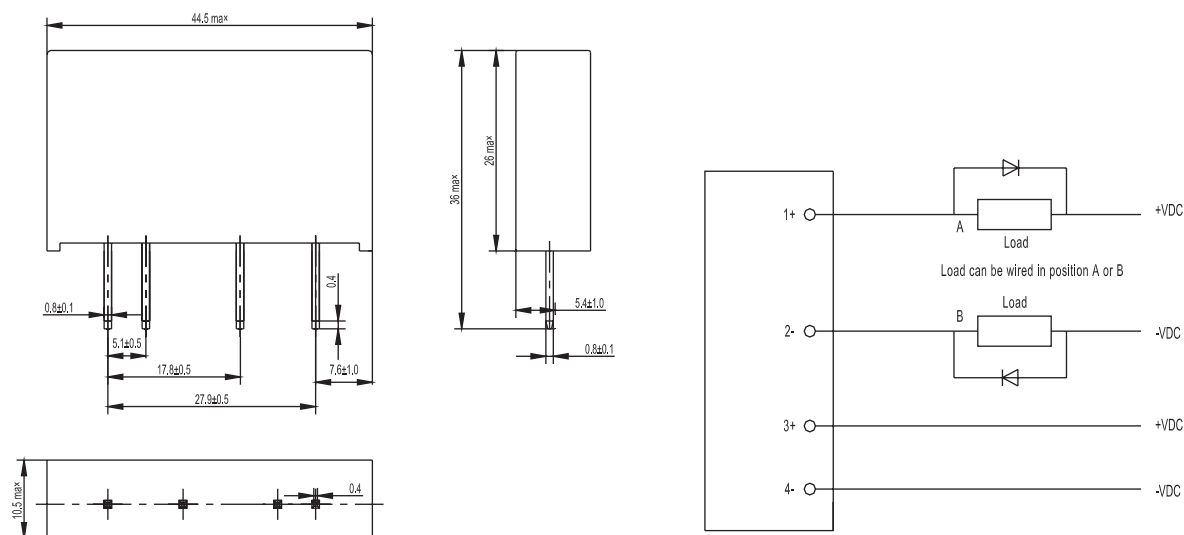
Load Voltage Range	: 0 ~ 60V DC
Transient Overvoltage	: 80Vpk
Maximum Surge Current [@ 10ms] (20A)	: 100A
Max. Turn-on Time	: 1ms
Max. Turn-off Time	: 1ms
Max. Off-State Leakage Current [@ Rated Voltage]	: 0.1mA
Max. On Resistance (20A)	: 3.6m Ω

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

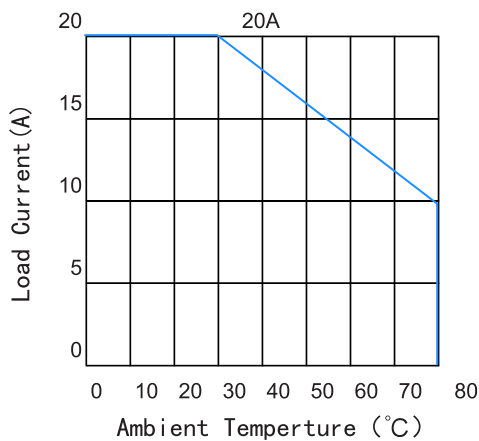
Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

Diagram



Dimensions : Millimetres

Thermal Curve



Part Number Table

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

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