Solid State Relay

multicompPRO
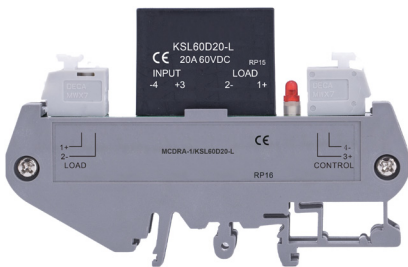
Description

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: ≥2500VACrms

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

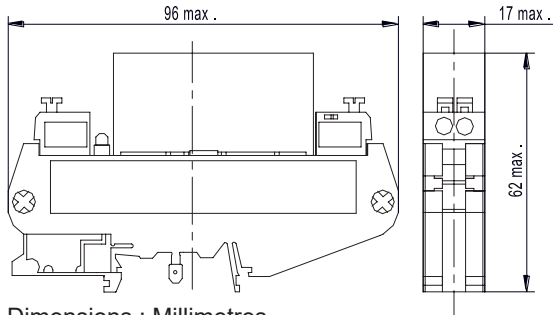|	
Control Voltage Range	: 3V DC to 10V DC
Min. Turn-On Voltage	: 3V DC
Min. Turn-Off Voltage	: 1V DC
Max. Input Current	: 15mA

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)	: 3.6mΩ

General Information

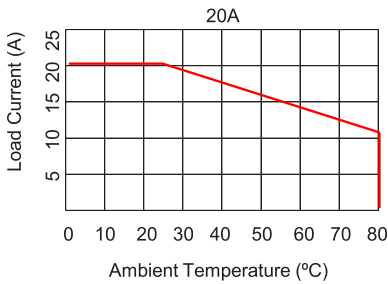|	
Dielectric Strength Input/Output (50/60Hz)	: ≧2500Vrms
Ambient Operating Temperature Range	: -30°C to +80°C
Ambient Storage Temperature Range	: -30°C to +100°C
Weight (Typical)	: 55g

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

multicompPRO

Page <1>   19/01/21   V1.0

Solid State Relay

Diagram

96 max.

17 max.

62 max.

Dimensions : Millimetres

INPUT

Control

3+

4-

OUTPUT

2- Load

1+ Power

Thermal Curve

20A

Load Current (A)

25 20 15 10 5

0 10 20 30 40 50 60 70 80

Ambient Temperature (ºC)

Part Number Table

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

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

multicomp PRO

Page <2>   19/01/21   V1.0