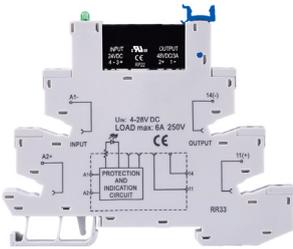# DIN Rail Mount Solid State Relay
Single Phase DC Output

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RoHS Compliant

Description

This is printed board mounted DC output solid state relay. Control voltage is 12V DC and 24V DC load current is 0.1A and 4A load voltage is 24V DC or 48V DC, dielectric strength is 2500V AC, suitable for PLC control of socket installation.

Application

Suitable for PLC control of socket installation.

Features

- Control Voltage: 12V DC and 24V DC
- Load Voltage: 24V DC, 48V DC
- Load Current is 0.1A, 4A
- MOSFET output (for 4A)
- Dielectric strength: 2500Vrms
- PCB or socket mounted

Technical Specification

Input Circuit		
Control Voltage Range	12V DC	9.6-14.4V DC
	24V DC	19.2-28.8V DC
Must Turn-On Voltage	12V DC	9.6V DC
	24V DC	19.2V DC
Must Turn-Off Voltage		1VDC
Maximum Input Current		25mA
Output Circuit		
Load Voltage Range	24	3-28V DC
	48	3-58VDC
Transient Over voltage	24	33V DC
	48	58V DC
Load Current Range	0.1A	0.001 - 0.1A
	4A	0.02 - 4A
Maximum Turn-On Time		300µs
Maximum Turn-Off Time		300µs
Maximum Surge Current (@10 ms)	0.1A	1A
	4A	48A
Maximum Off-State Leakage Current [@ Rated Voltage]		0.1mA
Maximum On-State Voltage Drop	0.1A	1.5V DC
Maximum On-state Resistance	4A	37mΩ

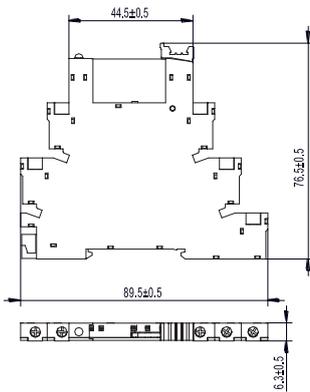Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

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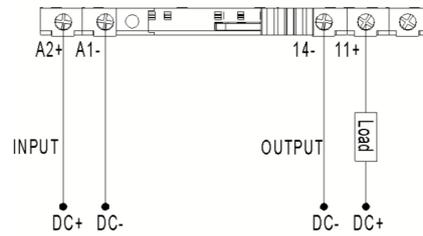
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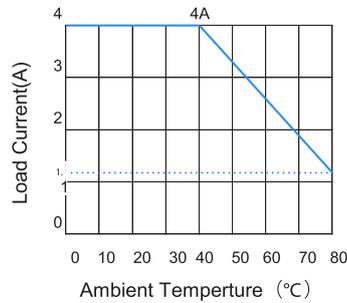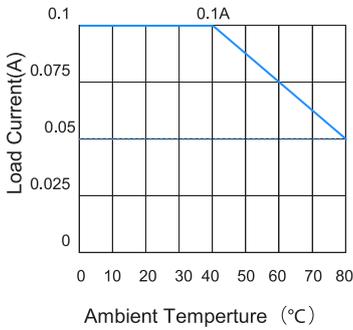| General Information	
Dielectric strength Input/Output (50/60Hz)	2500Vrms
Ambient Operating Temperature Range	-30°C ~ +80°C
Ambient Storage Temperature Range	-30°C ~ +100°C
Weight (Typical)	30g

Installation Drawing

Dimensions : Millimetres

Wiring Diagram

Thermal Curve

Part Number Table

Description	Part Number
SSR, DIN Rail Mount, 4A, 24V DC, 12V DC, Zero Crossing	MC002275
SSR, DIN Rail Mount, 4A, 24V DC, 24V DC, Zero Crossing	MC002276
SSR, DIN Rail Mount, 0.1A, 48V DC, 12V DC, Zero Crossing	MC002277

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