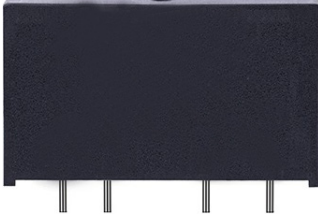


Solid State Relay

Single Phase AC Output

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**RoHS
Compliant**



Applications

Suitable for lighting control, motor control, vending machine control, medical device control, valve control etc, and etc.

Features

- SCR Output
- Control Voltage: 15V DC to 32V DC, 4V DC to 32V DC
- Load Voltage: 240V AC, 380V AC, 480V AC
- Load Current: 3A, 5A
- Dielectric Strength: 4000Vrms

General Specifications

Input Specifications (Ta=25°C)		
Control Voltage Range	H	15V DC to 32V DC
	W	4V DC to 32V DC
Must Turn-on Voltage	H	15V DC
	W	4V DC
Must Turn-off Voltage	H	5V DC
	W	1V DC
Maximum Input Current	H/W	25mA (@32V DC)

Output Specifications (Ta=25°C)		
Load Voltage Range	240V AC	24V AC to 280V AC
	380V AC	24V AC to 440V AC
	480V AC	24V AC to 530V AC
Maximum Transient Overvoltage	240V AC	600Vpk
	380V AC	800Vpk
	480V AC	1200Vpk
Load Current Range	0.1 - 5A	
Maximum Surge Current (@10 ms)	250A	
Maximum Turn-on Time	Random-on	1ms
	Zero Crossing	1/2cycle+1ms
Maximum Turn-off Time	1/2cycle+1ms	
Maximum Off-State Leakage Current@Rated Load Voltage	5mA	
Maximum On-State Voltage Drop@Rated Current	1.5Vrms	
Minimum Off-State dv/dt@Maximum Rated Voltage	500V/μs	

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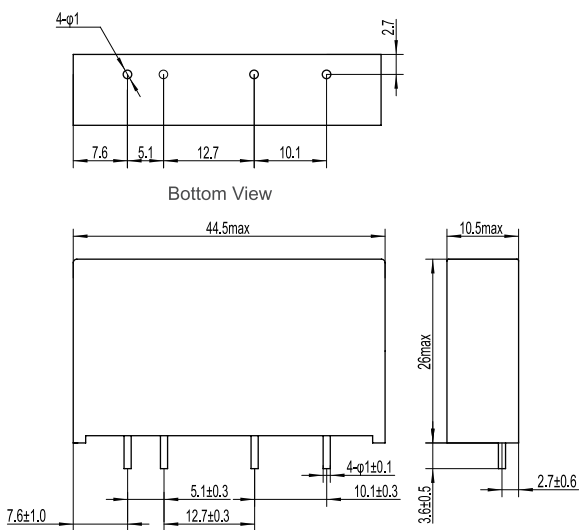
Solid State Relay

Single Phase AC Output

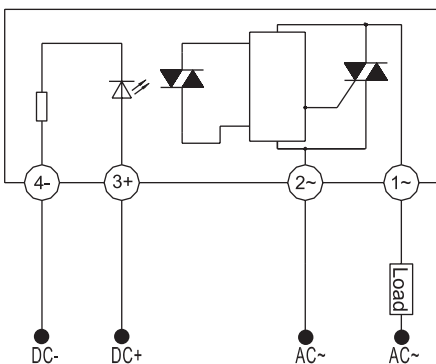
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General Specifications (Ta=25°C)	
Dielectric Strength (50/60Hz)	4000Vrms
Minimum Insulation Resistance (@500V DC)	1000MΩ
Ambient Temperature Range	-30°C to +80°C
Storage Temperature Range	-30°C to +100°C
Weight (Typical)	20g

Outline Dimensions / Wiring Diagram



Wiring Diagram



Dimensions : Millimetres

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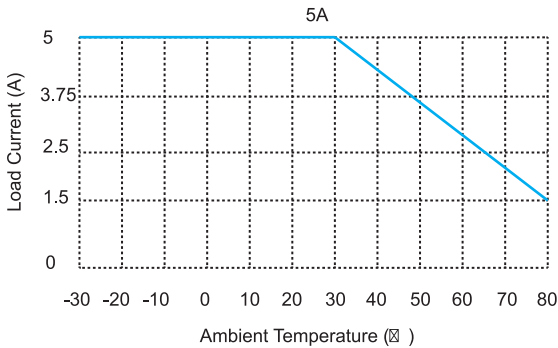
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Solid State Relay

Single Phase AC Output

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Thermal Derating Curve



General Notes

1. 260°C welding temperature, the whole process should not exceed 10 seconds, 350°C, the welding process should not exceed 5 seconds, otherwise it may cause damage to the product.
2. Control end polarity should be correct, otherwise it will damage the product.
3. When the working environment temperature of the product is high, please refer to the temperature curve for derating.

Part Number Table

Description	Part Number
SSR, 5A, 240V AC, 4-32V DC, Plastic cover, Zero Crossing	MP012136
SSR, 5A, 480V AC, 4-32V DC, Plastic cover, Zero Crossing	MP012137
SSR, 5A, 480V AC, 4-15V DC, Plastic cover, Zero Crossing	MP012138
SSR, 5A, 480V AC, 15-32V DC, Plastic cover, Zero Crossing	MP012139
SSR, 5A, 480V AC, 4-32V DC, Plastic cover, Random On	MP012140

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