

# Panel Mount Mini Solid State Relay

## Single Phase AC Output



RoHS  
Compliant



### Description

The industrial single phase relay with TRIAC output is widely used in industry applications. The relay can be used for resistive, inductive or capacitive load. The control voltage is 4-32V DC, output current is rated at 10A, 16A or 25A.

### Application

High-low Temperature Chamber, Food Machine, Industrial Machine.

### Features

- Zero-crossing
- Rated Load Current: 10A, 16A, 25A
- Opto-isolation:  $\geq 4000V$  ACrms
- With LED Indication
- Internal RC Protection Circuit
- MOV Protection (Optional)

### Technical Specification

Input Circuit		
Control Voltage Range		4-32V DC
Minimum Turn-on Voltage		4V DC
Minimum Turn-off Voltage		1V DC
Maximum Input Current		25mA
Output Circuit		
Load Voltage		24-280V AC
Maximum Turn-on Time	Zero Crossing	10ms
Maximum Turn-off Time		10ms
Maximum Surge Current [@10ms]	10A	100A
	16A	160A
	25A	250A
Transient Over voltage		600Vpk
Maximum Off-State Leakage Current [@ Rated Voltage]		5mA
Maximum On-State Voltage Drop [@ Rated Current]		1.5Vrms
Minimum Off-State dv/dt [@ Maximum Rated Voltage]		200 V/ $\mu$ s

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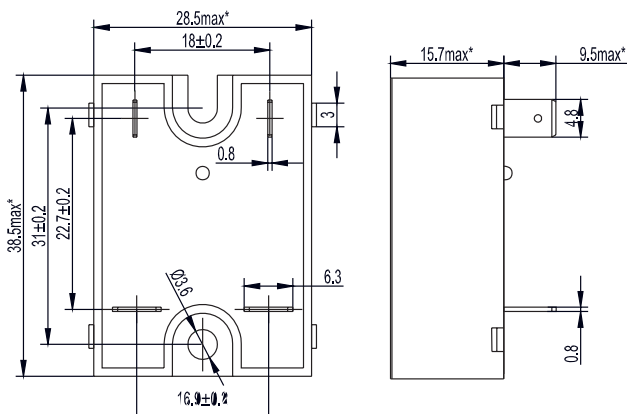
## Single Phase AC Output



General Information		
Dielectric Strength, [50/60Hz]	Input/Output	≥4000Vrms
	Input, Output/Base	≥2500Vrms
Power Factor		>0.5
Ambient Operating Temperature Range		-30°C ~ +80°C
Ambient Storage Temperature Range		-30°C ~ +100°C
Weight [Typical]		33g

### Installation Drawing

Customized Quick Connect



Dimensions : Millimetres

### Wiring Diagram

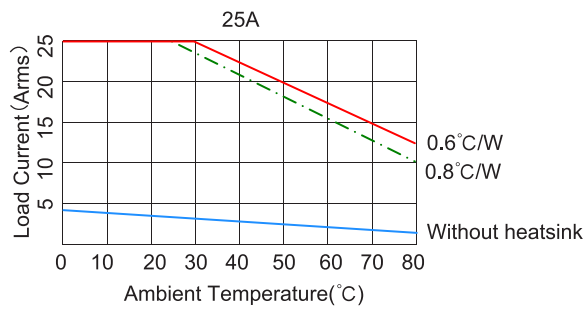
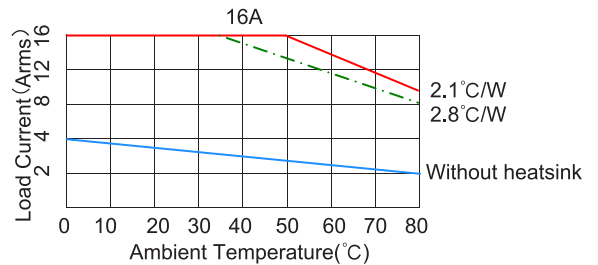
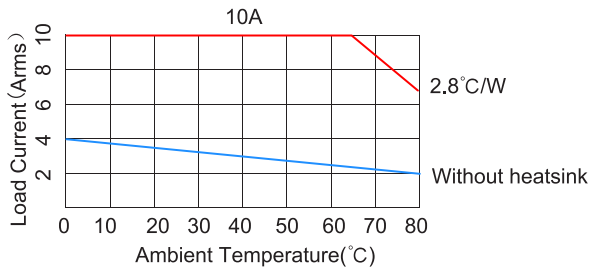


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## Single Phase AC Output



### Thermal Curve



### Part Number Table

Description	Part Number
SSR, Mini, Panel Mount, Quick Connect, 10A, 240V AC, 4-32V DC, Zero Crossing, TRIAC	MC002355
SSR, Mini, Panel Mount, Quick Connect, 16A, 240V AC, 4-32V DC, Zero Crossing, TRIAC	MC002356
SSR, Mini, Panel Mount, Quick Connect, 25A, 240V AC, 4-32V DC, Zero Crossing, TRIAC	MC002357

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