Panel Mount Mini Solid State Relay
Single Phase AC Output

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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: ≥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/μs

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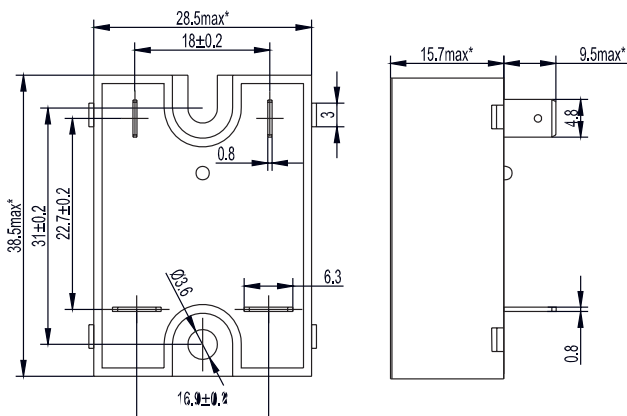
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General Information		
DielectricStrength, [50/60Hz]	Input/Output	≥4000Vrms
	Input,Output/Base	≥2500Vrms
Power Factor		>0.5
Ambient Operating Temperature Range		-30°C ~ +80°C
Ambient Storage Temperature Range		-30°C ~ +100°C
Weight [Typical]		33g

Installation Drawing
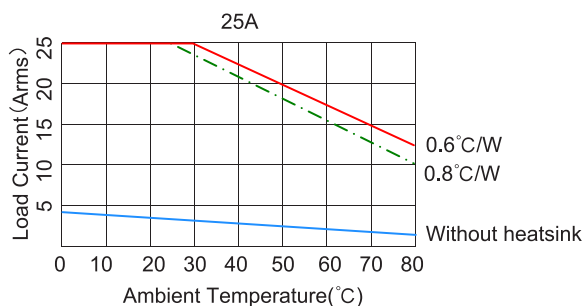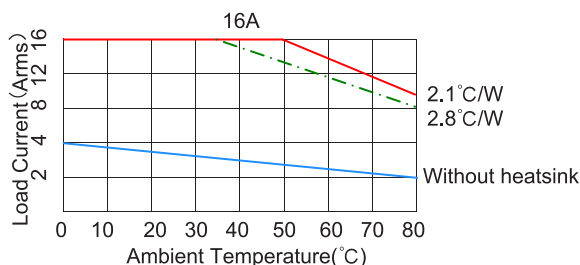
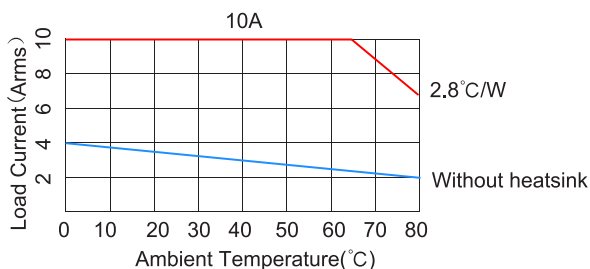**Customized Quick Connect**

Dimensions : Millimetres

Wiring Diagram

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Thermal Curve

10A

Load Current (Arms)

2.8°C/W

Without heatsink

Ambient Temperature(°C)

16A

Load Current (Arms)

2.1°C/W
2.8°C/W

Without heatsink

Ambient Temperature(°C)

25A

Load Current (Arms)

0.6°C/W
0.8°C/W

Without heatsink

Ambient Temperature(°C)

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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