

# Panel Mount Solid State Relay

## 2 Channel AC Output

**multicomp** PRO

**RoHS  
Compliant**



### Description

The industrial 2 channel relay with SCR output is widely used in industry applications. The relay can be used for resistive, inductive or capacitive load. The load voltage is 24-530V AC, output current is rated at 25A and 50A.

### Application

High-low Temperature Chamber, Plastics Machinery, Incubation Machine, Oiling Machine, HVAC, Elevator, Lighting, Fountain Controller.

### Features

- Zero Crossing or Random-on
- Load Current: 25A and 50A @ 24-530V AC
- SCR Output
- DC Input
- IP20 Safety Cover Protection (Option)

### Technical Specification

Input Circuit		
Control Voltage Range		4-15V DC
		15-32V DC
Must Turn-on Voltage		4V DC
		15V DC
Must Turn-off Voltage		1V DC
Maximum Input Current		50mA
		20mA
Output Circuit		
Load Voltage Range	240V AC	24-280V AC
	480V AC	24-530V AC
Maximum Turn-on Time	Random-on	1ms
	Zero Crossing	10ms
Maximum Turn-off Time		10ms
Maximum Surge Current [@10 ms]	25A	300A
	50A	500A
Maximum I <sup>2</sup> t [@10 ms]	25A	450A <sup>2</sup> s
	50A	1250A <sup>2</sup> s
Transient Over voltage	240V AC	600Vpk
	480V AC	1200Vpk
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	480V AC	1200Vpk

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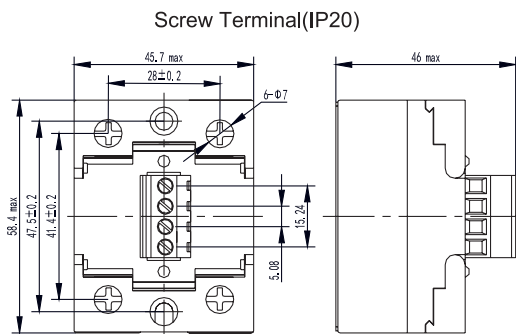
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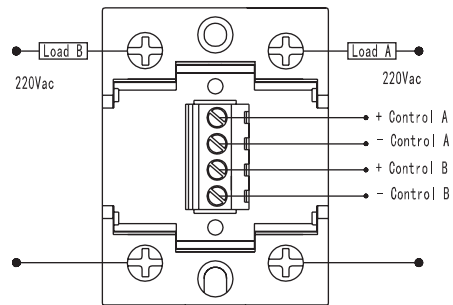
Maximum Off-State Leakage Current [ @ Rated Voltage]		5mA
Maximum On-State Voltage Drop [ @ Rated Current]		1.5Vrms
Minimum Off-State dv/dt [ @ Maximum Rated Voltage]		500V/μs
<b>General Information</b>		
Dielectric Strength [50/60Hz]	Input/Output	4000Vrms
	Input, Output/Base	2500Vrms
Ambient Operating Temperature Range		-30°C to +80°C
Ambient Storage Temperature Range		-30°C to +100°C

### Installation Drawing

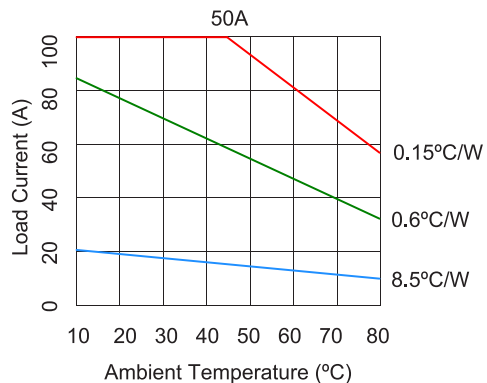
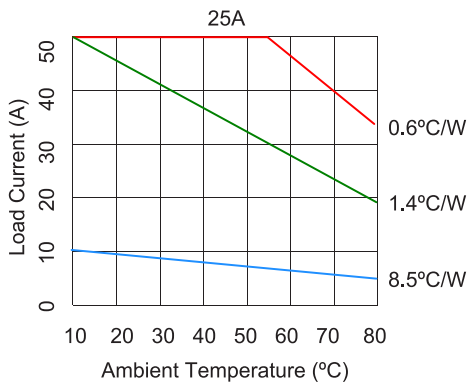


Dimensions : Millimetres

### Connection Drawing



### Thermal Curve



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### Part Number Table

Description	Part Number
SSR, Panel Mount, Screw, DPST-NO, 25A, 240V AC, 4-15V DC, Zero Crossing, IP20	MC002348
SSR, Panel Mount, Screw, DPST-NO, 25A, 480V AC, 4-15V DC, Zero Crossing, IP20	MC002349
SSR, Panel Mount, Screw, DPST-NO, 50A, 240V AC, 4-15V DC, Zero Crossing, IP20	MC002350
SSR, Panel Mount, Screw, DPST-NO, 50A, 240V AC, 4-15V DC, Random Turn on, IP20	MC002351
SSR, Panel Mount, Screw, DPST-NO, 25A, 480V AC, 15-32V DC, Zero Crossing, IP20	MC002352
SSR, Panel Mount, Screw, DPST-NO, 50A, 480V AC, 15-32V DC, Random Turn on, IP20	MC002353
SSR, Panel Mount, Screw, DPST-NO, 50A, 480V AC, 4-15V DC, Zero Crossing, IP20	MC002354

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