

Panel Mount Solid State Relay

2 Channel AC Output



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 ² t [@10 ms]	25A	450A ² s
	50A	1250A ² s
Transient Over voltage	240V AC	600Vpk
	480V AC	1200Vpk
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	480V AC	1200Vpk

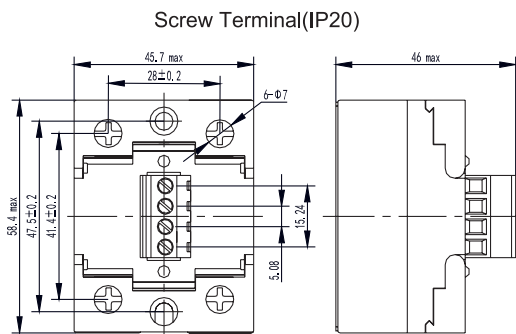
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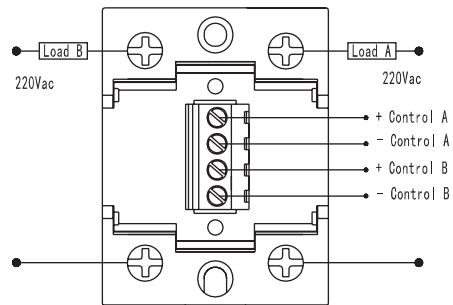
Maximum Off-State Leakage Current [@ Rated Voltage]	5mA	
Maximum On-State Voltage Drop [@ Rated Current]	1.5Vrms	
Minimum Off-State dv/dt [@ Maximum Rated Voltage]	500V/μs	
General Information		
Dielectric Strength [50/60Hz]	Input/Output	4000Vrms
	Input, Output/Base	2500Vrms
Ambient Operating Temperature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

Installation Drawing

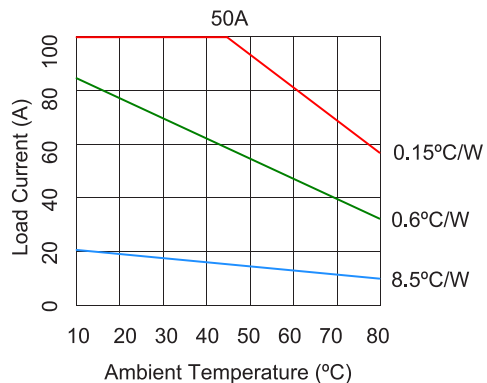
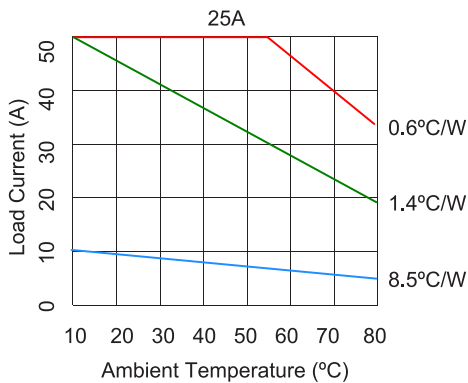


Dimensions : Millimetres

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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