



- Zero-crossing or Random-on Switching
- Rated Load Current: 10A, 16A, 25A
- With LED Indication
- Internal RC Protection Circuit
- MOV Protection (Optional)

Product Description

SIM series 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 4-32VDC, output current is rated at 10A, 16A or 25A.

Product Selection

ASR	-	SIM	240	D	25	R	w	-L	Q
	Packaging -:Bulk Packaging Y:Individual	SIM Series	Load Voltage 240:240VAC 380:380VAC	Control Voltage Type D:DC Control	Load Current 10:10Amp 16:16Amp 25:25Amp	Switching Mode Z:Zero Crossing R:Random-on	Control Voltage W:4-32VDC	LED Indication Blank: Without L: With LED	Terminal Type Blank: Screw Q:Quick Connection

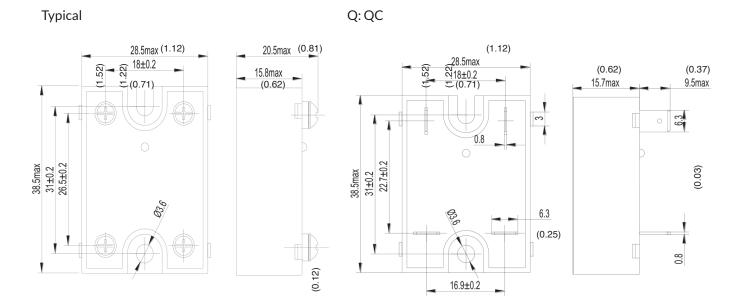
Technical Specification

INPUT CIRCUIT				
Control Voltage Range	W	4-32VDC		
Must Turn-on Voltage		4VDC		
Must Turn-off Voltage		1VDC		
Maximum Input Current		25mA		
OUTPUT CIRCUIT				
Load Voltage Range	240VAC	24-280VAC		
	380VAC	24-440VAC		
Maximum Turn-On Time	Random-on	1ms		
	Zero Crossing	10ms		
Maximum Turn-Off Time		10ms		
Maximum Surge Current [@10 ms]	10A	100A		
	16A	160A		
	25A	250A		

OUTPUT CIRCUIT						
Transient Overvoltage	240VAC	600Vpk				
	380VAC	800Vpk				
Maximum Transient Overvoltage		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]		200V/µs				
GENERAL INFORMATION						
Dielectric Strength (50/60Hz)	Input/Output	4000Vrms				
	Input,Output/Base	2500Vrms				
Power Factor		>0.5				
Ambient Operating Temperature R	ange	-30°C +80°C				
Ambient Storage Temperature Ran	ge	-30°C +100°C				
Weight (Typical)		35g				



Installation

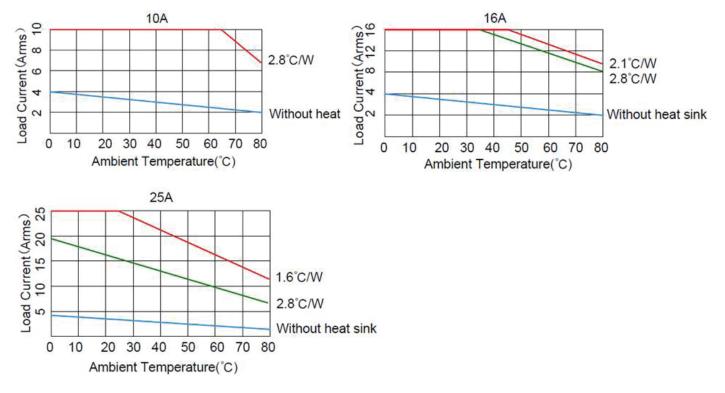


Wiring Diagram





Thermal Curve



Attentions:

- 1. When the ambient temperature is over 40°C or many SIM series are installed closely together, the user should take load discount into account according to the thermal curve.
- 2. If the load current is over 3A, suitable heatsink should be added to the SSR.

Product Certification



Note: (1) No CCC for the product with TVS

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