

Outline dimensions 58.4mm x 45.7mm x 22.9mm.

- 4000V dielectric strength
- Photo isolation
- Zero cross or random turn-on
- Double SCR AC output
- Panel mount
- DC or AC control



SSR02		-	3	240	40	R	S	L
Input Voltage								LED Indication
3-32VDC			3					NIL None
4-32VDC (with LED)			4					L LED (unavailable for AC input voltage type)
90-280VAC			90					
Output Voltage							Output Type	
48-280VAC			240				S SCR	
48-400VAC			380					
48-530VAC			480					
Load Current								Zero Cross Function
40A			40			R	Random turn-on	
50A			50			Z	Zero cross turn-on	
60A			60					
70A			70					
80A			80					

Control voltage range (DC input)	3 to 32VDC 4-32VDC with LEE
Control voltage range (AC input)	90 to 280VAC
Must operate voltage (DC input)	3VDC max.
Must operate voltage (AC input)	90VAC
Must release voltage (DC input)	1VDC
Must release voltage (AC input)	10VAC
Max. Input current (DC input)	25mA (at 32 VDC)
Max. Reverse protection voltage (DC Input)	-32VDC

Max. Off-state leakage current (at rated voltage)		5mA
Max. On-state voltage drop (at rated current)		1.7Vrms
Max. Turn-on time	Random turn-on (DC input)	1ms
	Zero cross turn-on (DC input)	1/2 cycles+1ms
	AC input type	20ms
Max. Turn-off time	DC input	1ms + 1/2 cycle
	AC input	40ms
Min. Off-state (dv/dt)		500V/us

Solid State Relay SSR02 continued...

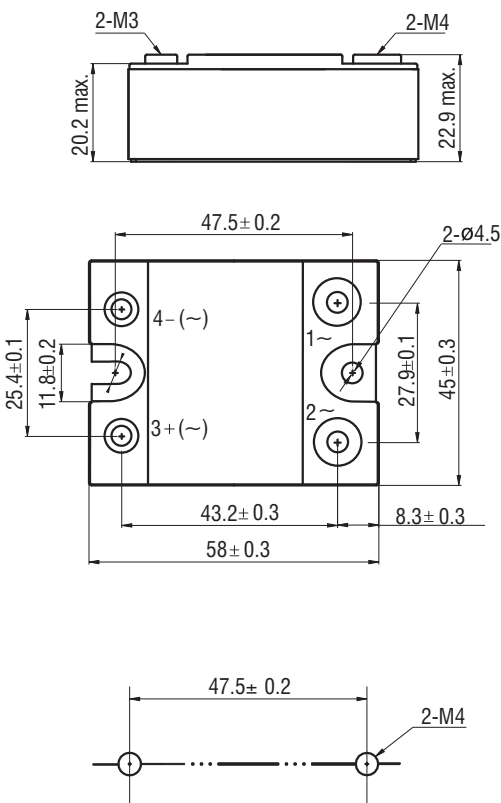


Characteristics

Dielectric strength (at 50/60Hz for 1min)		4000VAC 1min.
Insulation resistance		1000M Ω (at 500VDC)
Ambient temperature	Operating	-30°C to +80°C
	Storage	-30°C to +100°C
Humidity		45% to 85%
Unit Weight		88g

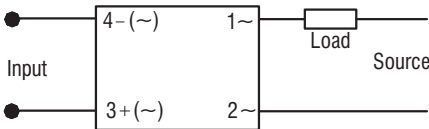
Outline dimensions (mm)

Wiring diagram and Mounting Holes



Screw Size	Recommended tightened torque
M3	0.58 to 0.98 N·m
M4	0.98 to 1.37 N·m

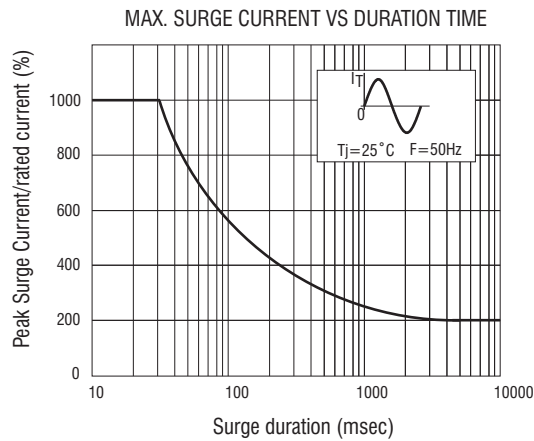
Schematics



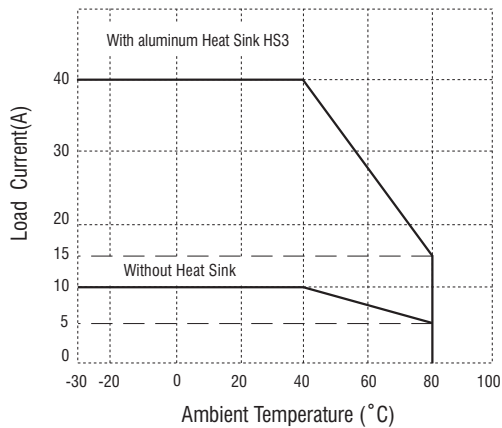
Solid State Relay SSR02



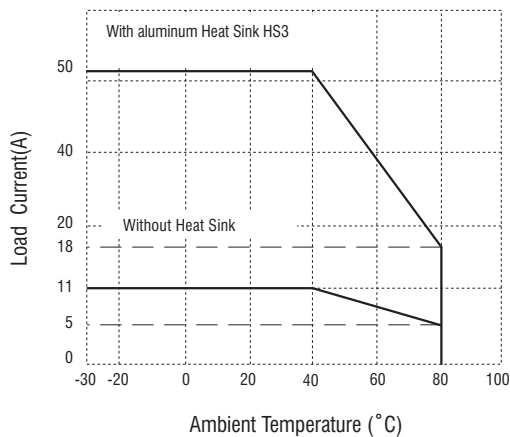
Characteristic Curve



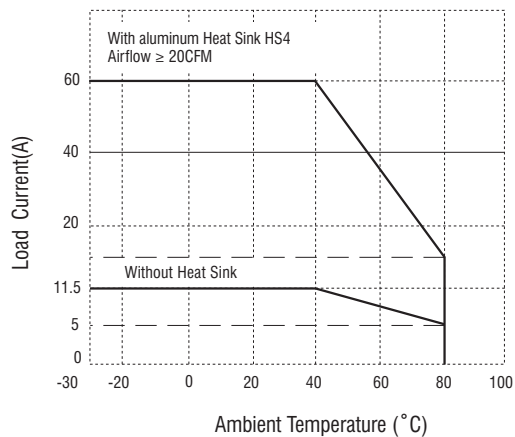
MAX. LOAD CURRENT VS AMBIENT TEMPERATURE. 40A TYPE



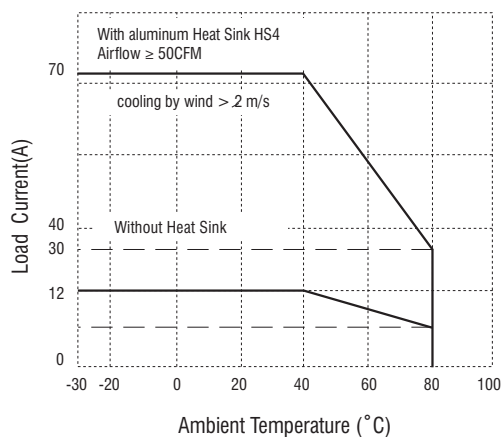
MAX. LOAD CURRENT VS. AMBIENT TEMP. 50A TYPE



MAX. LOAD CURRENT VS. AMBIENT TEMP. 60A TYPE



MAX. LOAD CURRENT VS. AMBIENT TEMP. 70A TYPE



MAX. LOAD CURRENT VS. AMBIENT TEMP. 80A TYPE

