

- ★ High Reliability by S.M.T. & TQC.
(Surface Mounting Technology)
- ★ High Isolation over than 50MΩ / 500VDC
- ★ High Dielectric over than 2.5KV
- ★ Low Enable Current less than 7.5mA / 12VDC
C MOS IC or TTL Compatible.
- ★ Low EMI / EFI & Surge by Zero Cross Trigger Method.
- ★ High Surge Current Duration Over 10 Times of Rated Current / One Cycle
- ★ High Surge Voltage Duration by Snubber Circuit.
- ★ 表面貼焊技術及全面品管，提供最可靠的 SSR
- ★ 高絕緣阻抗超過 50MΩ / 500VDC
- ★ 高耐壓超過 2.5KV
- ★ 低觸發電流小於 7.5mA / 12VDC，可與 CMOS IC及 TTL 匹配
- ★ 零點觸發方式避免電磁 / 高頻干擾
- ★ 高耐過電流，超過10倍額定電流/一週期
- ★ 具緩衝迴路可吸收瞬間突破



勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
 勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

Guiding of Model

Terminal Type

Ex. **SSR-40DA-H**

① ② ③ ④ ⑤

- ① **Product 產品別**
 SSR: SINGLE PHASE SOLID STATE RELAY
 單相固態繼電器
 STR: THREE PHASE SOLID STATE RELAY
 三相固態繼電器

② **Output Current 輸出電流**

10 : 10A 25 : 25A
 40 : 40A 50 : 50A
 75 : 75A

③ **Input Voltage 輸入方式**

D: DC 3W ~ 32V <ON/OFF>
 A: AC 80 ~ 250V <ON/OFF>
 L: 4 ~ 20mA (linear)
 V: VARIABLE RESISTER

④ **Output Voltage 輸出電壓**

A: AC VOLTAGE
 D: DC VOLTAGE

⑤ **Output Voltage Range 輸出電壓範圍**

H : High Voltage Type < 90 ~ 480VAC >
 Non: Standard Type < 24 ~ 380VAC >

PCB Type

Ex. **SSR-P03DA**

① ② ③ ④ ⑤

- ① **Product 產品別**
 SSR : SINGLE PHASE SOLID STATE

② **Mounting Method 固定方式**

PCB: PCB TYPE

③ **Output Current 輸出電流**

03 = 3A
 05 = 5A

④ **Input Method 輸入方式**

D : DC VOLTAGE

⑤ **Output Voltage 輸出電壓**

D : DC 5 ~ 60V
 A : AC 24 ~ 280V

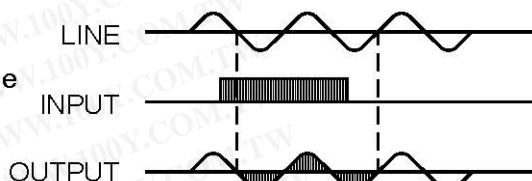
Control Method

Zero Cross Trigger Method

Output TURN ON or TURN OFF only on Zero Cross Point of sine wave , may avoid surge or EMI / RFI occurring.

Specially suited to control resistive , capacitive and Non - saturated inductive loads.

輸出只在正弦波的零點才會動作或復歸，可避免生突波或 EM / RFI，特別適於控制阻抗性，電容性和不飽和感抗性等負載。

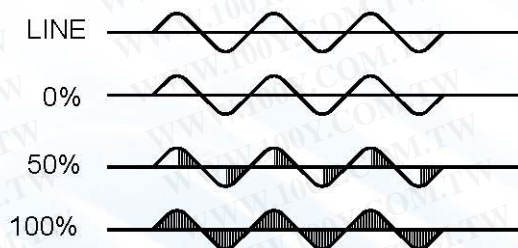


Variable Resistance Control Method

< Trimmer Control Method >

Power Output is Controlled by the Trigger Angle of Triac with Variable Resistor 250K Ω /110VAC, 500K Ω /220VAC

輸出功率以可變電阻 250K Ω /110VAC, 500K Ω /220VAC 控制 Triac 觸發角決定輸出功率。

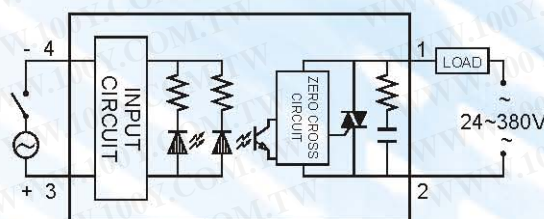


Application Hints

Input	NPN	Output	NO	Input	PNP	Output	NO	Input	L.S.	Output	NO
Input	NPN	Output	NC	Input	PNP	Output	NC	Latch Circuit (AC to AC)			

Specification

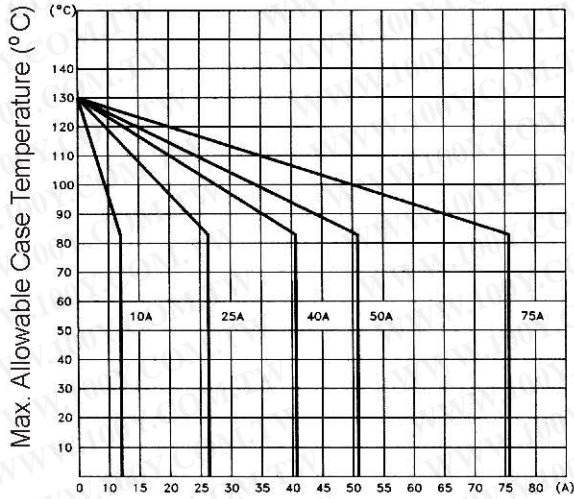
Type	Terminal Type				
Model	SSR-10AA	SSR-25AA	SSR-40AA	SSR-25AA-H	SSR-40AA-H
Rated Load Current	10A	25A	40A	25A	40A
Input Data					
Operating Voltage	80~250VAC 50 / 60Hz				
Min. ON / OFF Voltage	ON > 45V , OFF < 35V				
Trigger Current	5.0mA / 110VAC max.				
Control Method	Zero Cross Trigger				
Output Data					
Operating Voltage	24~380VAC			90~480VAC	
Min. Black Voltage	600 VAC < Repetive >				
Voltage Drop	1.6 V / 25 C				
Response Time	ON < 20ms , OFF < 20ms				
Max. Durated Current	135A	275A	410A	275A	410A
Leakage Current	3.0mA	5.0mA	3.0mA	5.0mA	5.0mA
General Data					
Dielectric Strength	Over 2.5KVAC / 1min.				
Isolation Strength	Over 50MΩ / 500VDC				
Operating Temperature	-20 C ~+80 C				
Housing Material	Intensive ABS				
Weight	Apr. 110g				
Connection Diagram					



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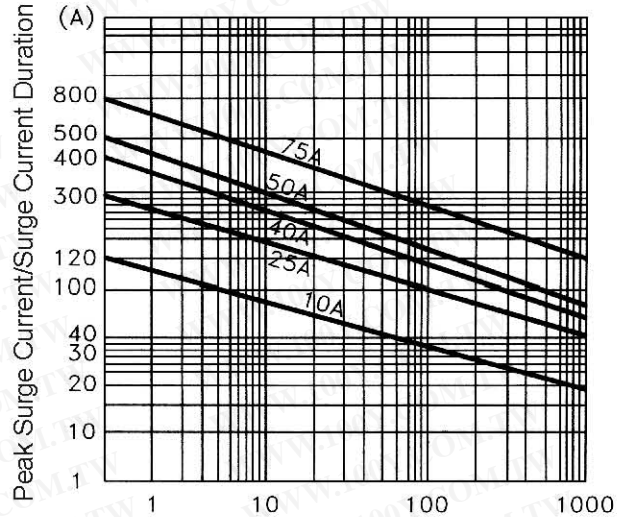
Curve of Characteristic

Max. Allowable Case Temperature
 最高容許表面溫度



ON State Current (A) 動作電流

Peak Surge Current/Surge Current Duration
 衝擊電流/承受次數



Surge Current Duration (Full cycles)

Dimension

Terminal Type	PCB Type
<p>Terminal Type dimensions diagram showing a rectangular component with three terminals. Dimensions include 45.0, 10.0, 7.0, 47.0, 60.0, 6.0, 3.0, and 22.5.</p>	<p>PCB Type dimensions diagram showing the component mounted on a PCB. Dimensions include 43.0, 10.0, 26.0, 7.5, 5.1, 0.8, 12.7, 10.2, 7.5, 0.5, and 5.5.</p>

■ Dimension < Heat Sink >

