

SOLID STATE RELAY(SSR)

1Ø WYFNG AC220V 30A~80A (DC/AC, AC/AC Type)

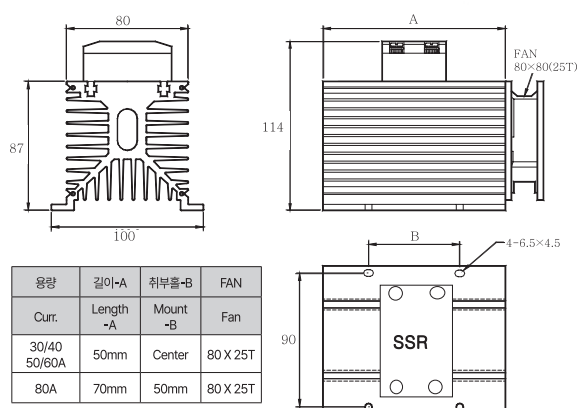
Metal
Bonding
Process

● FAN 부착 일체형 (SSR)

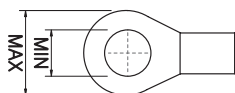
단상 일체형으로 AC90~240V, 50~80A의 대용량 제품으로 방열판 및 FAN을 부착한 일체형으로 자체 방열 구조를 설계하여 편리하게 사용할 수 있도록 일체화시킨 SSR입니다.

This single-phase integral SSR with self heat sink is a product with large capacity of AC90~240V, 50~80A. The SSR has designed self heat sink system to ensure convenient use.

● Dimension



● Terminal



Input Ter : Max 9.5, Min 4
Output Ter : Max 9.5, Min 4

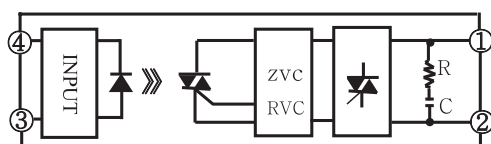
● Specifications

		MODEL	*WYFNG1C30/40/50/60/80Z4 WYFNG1C30/40/50/60/80R4			WYFNG1C30/40/50/60/80Z40 WYFNG1C30/40/50/60/80R40		
ITEM								
O U T P U T	Rated voltage	220VAC						
	Voltage range	90 ~ 240VAC						
	Non repetitive peak voltage	600V						
	Rated load current	30A	40A	50A	60A	80A		
	Frequency	50 / 60Hz						
	Peak surge current	250A	300A	350A	1300A	1750A		
	leakage current	10mA						
	Contact voltage drop	2.25V	2.15V	2.0V	1.95V	1.8V		
Minimum operating current		1.0A						
I N P U T	Maximum input voltage	32VDC			240VAC			
	Input voltage range	4 ~ 32VDC			90 ~ 240VAC			
	Input current	10±3(mA)			AC240V / 16mA			
	Minimum operating voltage	3.0VDC			80VAC			
	Turn off voltage	1.4VDC			20VAC			
G E N E R A L	Dielectric withstand	2000VAC / 1Min						
	Insulation resistance	DC 500V / 100MΩ						
	Response time	R4 : 1ms Z4 : 8.3±1ms R40, Z40 : 30±1ms						
	Circuit control	Z40, Z4 : Zero cross type R40, R4 : Random cross type						
	Operating temperature	-10 ~ +60℃						
	Storage temperature	-20 ~ +80℃						
	Weight	1.8kg						

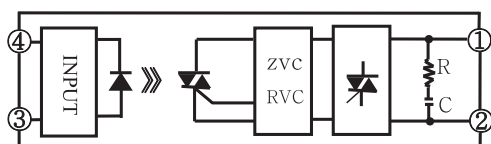
* WYFNG1C30Z4, WYFNG1C40Z4 UL Certification is only SSR(cUL std No : UL508)

* Z4 : 4~32VDC Z40 : 90~240VAC

● Block Diagram



* ZVC : ZERO CROSS VOLTAGE CIRCUIT
* RVC : RANDOM CROSS VOLTAGE CIRCUIT



* ZVC : ZERO CROSS VOLTAGE CIRCUIT
* RVC : RANDOM CROSS VOLTAGE CIRCUIT

● Application Circuit

