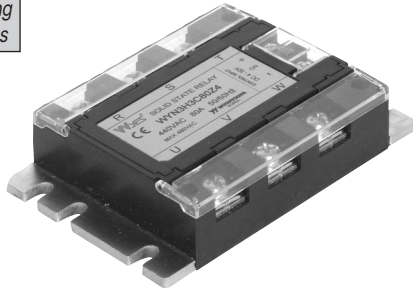


# SOLID STATE RELAY(SSR)

3Ø WYN3G AC220V 10A~80A (DC/AC, AC/AC Type)



Metal  
Bonding  
Process



## 표준형(Standard Type)

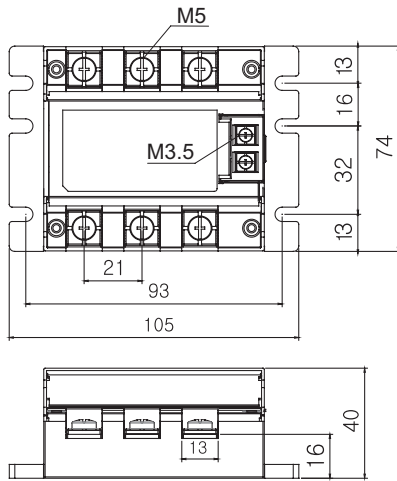
삼상 표준형으로 제작된 제품으로 고신뢰성 부품을 선정하여 전기적 내환경을 강화한 제품으로 AC90~240V, 10~80A의 용량을 가지고 있으며 입력측에 LED 표시장치가 있는 일반형 SSR입니다.

- cUL 규격인증품 : . UL508
- UL Cer. No : E142643

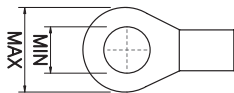
This is a 3-phase standard type product. This product featuring electric and environmental resistance reinforced by using highly reliable parts carries a capacity of AC90~240V, 10~80A It is an general type SSR is equipped with LED according to input control.

- cUL Std.No.:UL508
- UL Cer. No : E142643

## Dimension



## Terminal



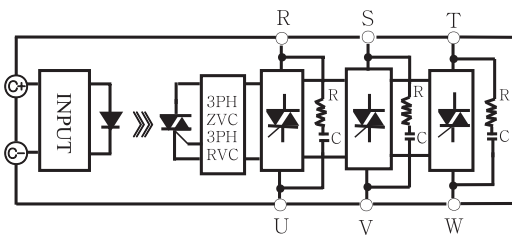
Input Ter : Max 7, Min 3.5  
Output Ter : Max 12, Min 5

## Specifications

※ cUL Certified

| ITEM                            |                             | MODEL                                                    | ※WYN3G3C10/15/20/25/30/40Z4<br>WYN3G3C50/60/80Z4 |      |      |      |             | WYN3G3C10/15/20/25/30/40Z40<br>WYN3G3C50/60/80Z40 |      |      |  |  |
|---------------------------------|-----------------------------|----------------------------------------------------------|--------------------------------------------------|------|------|------|-------------|---------------------------------------------------|------|------|--|--|
|                                 |                             |                                                          | WYN3G3C10/15/20/25/30/40R4<br>WYN3G3C50/60/80R4  |      |      |      |             | WYN3G3C10/15/20/25/30/40R40<br>WYN3G3C50/60/80R40 |      |      |  |  |
| O<br>U<br>T<br>P<br>U<br>T      | Rated voltage               | 220VAC                                                   |                                                  |      |      |      |             |                                                   |      |      |  |  |
|                                 | Voltage range               | 90 ~ 240VAC                                              |                                                  |      |      |      |             |                                                   |      |      |  |  |
|                                 | Non repetitive peak voltage | 600V                                                     |                                                  |      |      |      |             |                                                   |      |      |  |  |
|                                 | Rated load current          | 10A                                                      | 15A                                              | 20A  | 25A  | 30A  | 40A         | 50A                                               | 60A  | 80A  |  |  |
|                                 | Frequency                   | 50 / 60Hz                                                |                                                  |      |      |      |             |                                                   |      |      |  |  |
|                                 | Peak surge current          | 125A                                                     | 160A                                             | 260A | 260A | 420A | 420A        | 480A                                              | 480A | 480A |  |  |
|                                 | leakage current             | 10mA                                                     |                                                  |      |      |      |             |                                                   |      |      |  |  |
|                                 | Contact voltage drop        | 1.5V                                                     | 1.7V                                             | 1.8V | 1.8V | 1.8V | 1.8V        | 2.0V                                              | 2.0V | 2.0V |  |  |
|                                 | Minimum operating current   | 1.0A                                                     |                                                  |      |      |      |             |                                                   |      |      |  |  |
| I<br>N<br>P<br>U<br>T           | Maximum input voltage       | 32VDC                                                    |                                                  |      |      |      | 240VAC      |                                                   |      |      |  |  |
|                                 | Input voltage range         | 4 ~ 32VDC                                                |                                                  |      |      |      | 90 ~ 240VAC |                                                   |      |      |  |  |
|                                 | Input current               | 10mA                                                     |                                                  |      |      |      | 16.3mA(MAX) |                                                   |      |      |  |  |
|                                 | Minimum operating voltage   | 3.0VDC                                                   |                                                  |      |      |      | 85VAC       |                                                   |      |      |  |  |
|                                 | Turn off voltage            | 1.4VDC                                                   |                                                  |      |      |      | 20VAC       |                                                   |      |      |  |  |
| G<br>E<br>N<br>E<br>R<br>A<br>L | Dielectric withstand        | 2000VAC / rms / 1Min                                     |                                                  |      |      |      |             |                                                   |      |      |  |  |
|                                 | Insulation resistance       | DC 500V / 100MΩ                                          |                                                  |      |      |      |             |                                                   |      |      |  |  |
|                                 | Response time               | R4 : 1±1ms<br>Z4 : 8.3±1ms<br>R40, Z40 : 30±1ms          |                                                  |      |      |      |             |                                                   |      |      |  |  |
|                                 | Circuit control             | Z40, Z4 : Zero cross type<br>R40, R4 : Random cross type |                                                  |      |      |      |             |                                                   |      |      |  |  |
|                                 | Operating temperature       | -10 ~ +60°C                                              |                                                  |      |      |      |             |                                                   |      |      |  |  |
|                                 | Storage temperature         | -20 ~ +80°C                                              |                                                  |      |      |      |             |                                                   |      |      |  |  |
|                                 | Weight                      | 0.3kg                                                    |                                                  |      |      |      |             |                                                   |      |      |  |  |

## Block Diagram



\* 3PH ZVC : 3PH ZERO CROSS VOLTAGE CIRCUIT  
\* 3PH RVC : 3PH RANDOM CROSS VOLTAGE CIRCUIT

## Application Circuit

