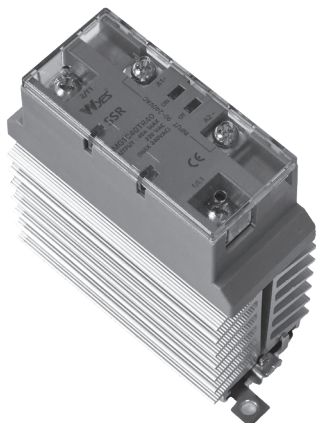


# SOLID STATE RELAY(SSR)

10 MG AC220V 10A~40A (AC/AC Type)

CE RoHS

## ● DIN 방열판일체형(SSR/with Heat Sink)



### ● Features

- 방열판 일체형 구조로 설계되어 우수한 열 전도성과 컴팩트한 설치가 가능합니다.
- T-TYPE 모델은 방열판 온도 상승 시 자동으로 출력을 차단하여 기기의 과열을 방지합니다.
- 단자 보호 커버를 채용하여 분실 우려가 없고, 외부 접촉으로 인한 안전사고를 예방합니다.
- UL508 규격을 준수하여 설계되었으며, 산업용 환경에서도 뛰어난 안전성과 신뢰성 제공합니다.
- It is designed with an integrated heat sink structure for excellent thermal conductivity and compact installation.
- The T-TYPE model prevents overheating of the device by automatically shutting off the output when the heat sink temperature rises.
- Terminal protection cover is employed to prevent loss and safety accidents caused by external contact.
- Designed to comply with the UL508 standard, it provides excellent safety and reliability in industrial environments.

## ● Specifications

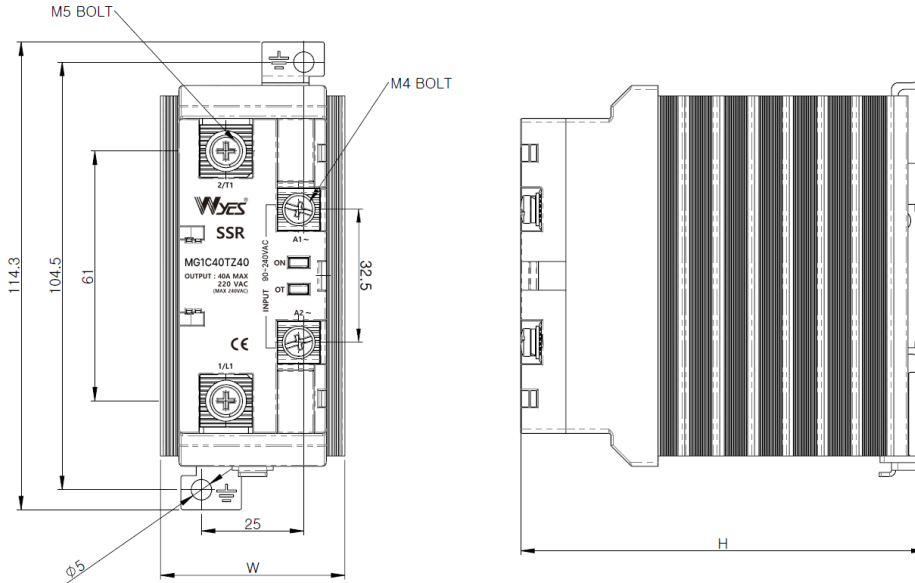
ITEM		MODEL	MG1C10 / 15 / 25 / 40TZ40				MG1C10 / 15 / 25 / 40TR40			
I N P U T	Rated Control Voltage	90~240VAC								
	Maximum Input Voltage	240VAC								
	Rated Control Current	20mA(MAX)								
	Turn Off Voltage	15VAC								
O U T P U T	Load Voltage	90~240VAC								
	Non Repetitive Peak Voltage	600VAC								
	Frquency	50/60Hz								
	Rated Load Current	10A	15A	25A	40A	10A	15A	25A	40A	
	Surge Current 60HZ (8.3ms Non Repetitive)	170A	170A	260A	420A	168A	168A	260A	420A	
	Surge Current 50HZ (10ms Non Repetitive)	160A	160A	250A	400A	160A	160A	250A	400A	
	Contact Voltage Drop	1.15V	1.33V	1.34V	1.41V	1.15V	1.33V	1.34V	1.41V	
G E N E R A L	Leakage Current	5mA at the 220VAC								
	Dielectric Strength	2500VAC for 1Minute								
	Insulation Resistance	500VDC 100MΩ								
	Response Time	Z40 : 10±1ms				R40 : 8.3±1ms				
	Vibration Resistance	10~55~10Hz, peak amplitude 0.35mm (peak-to-peak amplitude 0.70mm) (Installed on Din-rail)								
	Shock Resistance	300m/s <sup>2</sup> (Installed on Din-rail)								
	Circuit Control	Z40 : Zero Cross Type				R40 : Random Cross Type				
	Temperature Sensor(85°C)	O								
	Operating Temperature	-20~60°C								
	Storage Temperature	-30~80°C								
	Ambient Humidity	45~85°C RH								
	Safety Standards	CE								
	Load Category	LC A								
	Protection Rating (IP Rating)	IP20								
Pollution Degree	2									
Weight(Heatsink 제외)	10A							0.27kg		
	15A							0.33kg		
	25A							0.35kg		
	40A							0.36kg		

# SOLID STATE RELAY(SSR)

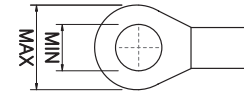
10 MG AC220V 10A~40A (AC/AC Type)

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## ● Dimension



## ● Terminal



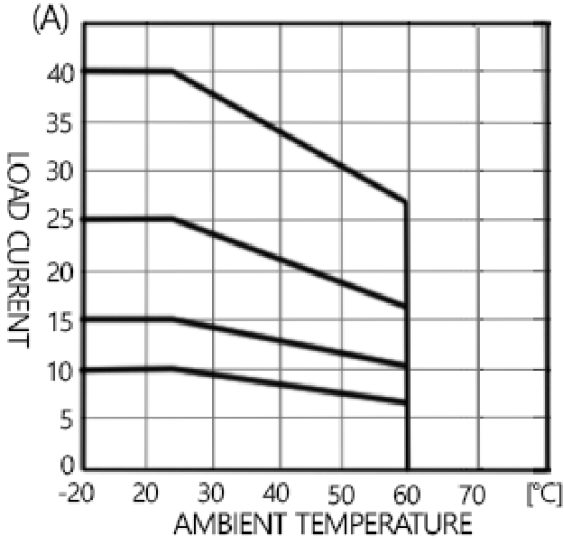
Input Ter : Max 10, Min 4  
Output Ter : Max 12, Min 5

## ● Torque

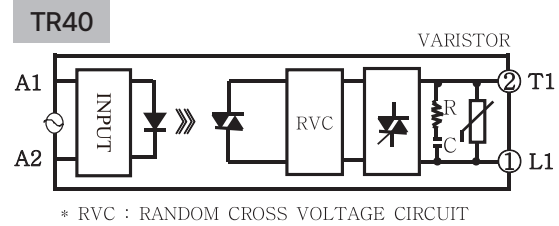
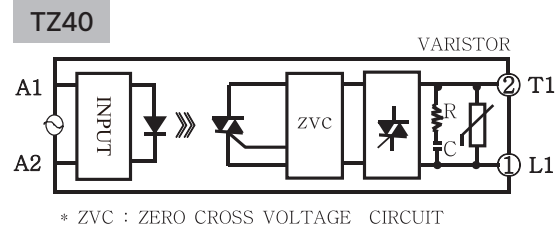
Input Ter : 1.3~1.5N(10~14Kgf.cm)  
Output Ter : 2.1~3.0N(15~25Kgf.cm)

Current	10A	15A	20A	40A
H(높이)*W(폭)	73.3*38.2mm	87.2*38.2mm	98.7*38.2mm	98.7*45mm

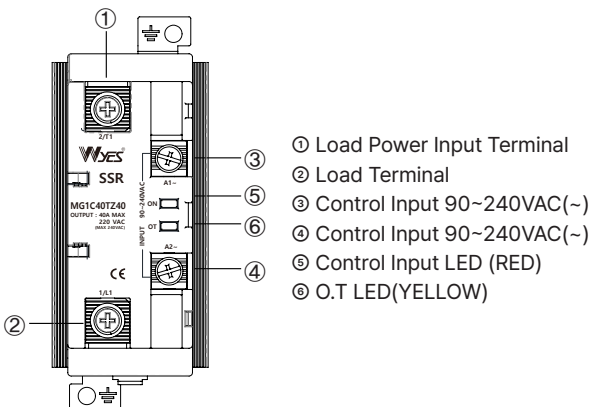
## ● Load Current Curve



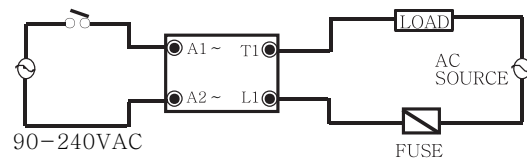
## ● Block Diagram



## ● Front Part Name



## ● Application Circuit



TRANS=RECT 리액터  
 REACTOR 리액터  
 SSR 무접점전자릴레이  
 TPR 전력조정기  
 SMPSS 스위칭파워  
 NF 노이즈필터  
 HF 하모닉필터  
 SPD 서지보호기  
 RELAY 보호계전기  
 ELD=GFRL 누전경보기  
 ZCT 영상변류기  
 METER 판넬메타  
 CT=VT 계기용변성기  
 SHUNT=FAAN 션트팬