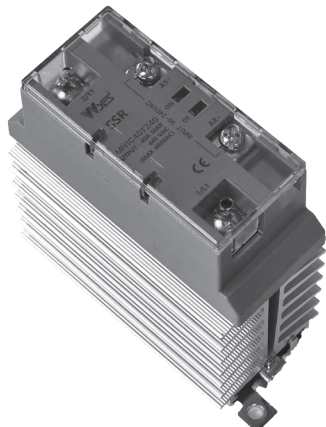


SOLID STATE RELAY(SSR)

10 MH AC440V 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

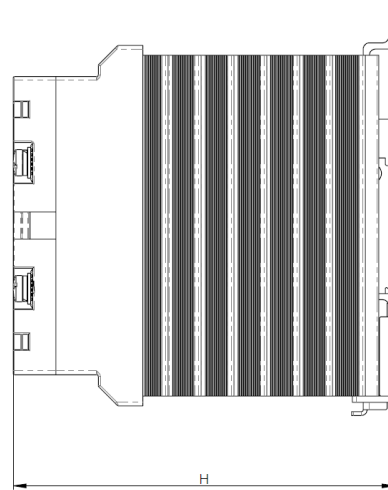
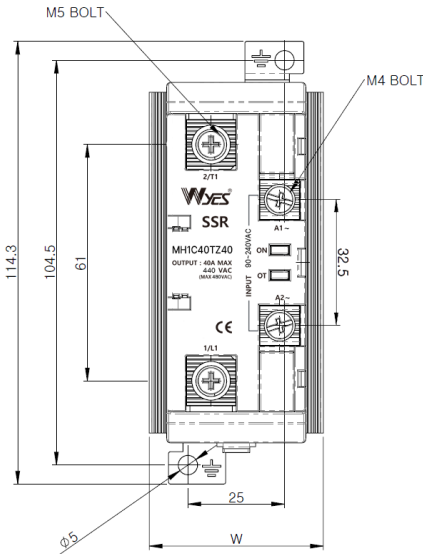
ITEM		MODEL	MH1C10 / 15 / 25 / 40TZ40				MH1C10 / 15 / 25 / 40TR40			
I N P U T	Rated Control Voltage	90~240VAC								
	Maximum Input Voltage	240VAC								
	Rated Control Current	20mA(MAX)								
	Turn Off Voltage	15VAC								
O U T P U T	Load Voltage	90~480VAC								
	Non Repetitive Peak Voltage	1200VAC								
	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	1.27V	1.35V	1.36V	1.43V	1.27V	1.35V	1.36V	1.43V	
Leakage Current	10mA at the 440VAC									
G E N E R A L	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 ² (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)

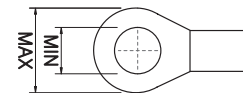
10 MH AC440V 10A~40A (AC/AC Type)

CE RoHS

● Dimension



● Terminal



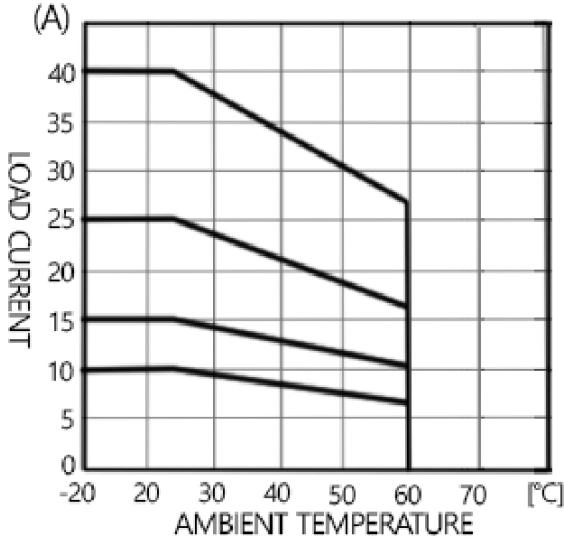
Input Ter : Max 10, Min 4
Output Ter : Max 12, Min 5

● Torque

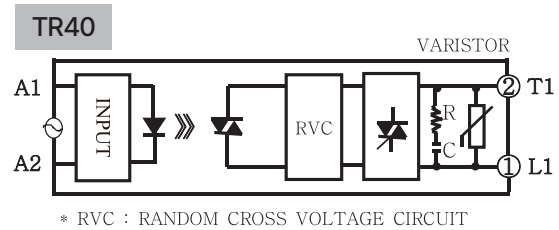
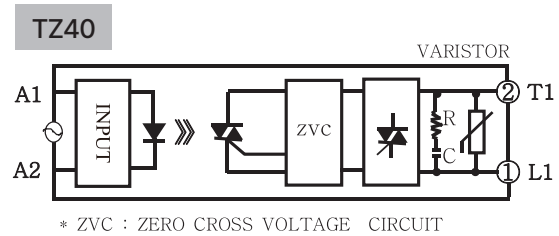
Input Ter : 1.3~1.5N(10~14Kgf.cm)
Output Ter : 2.1~3.0N(15~25Kgf.cm)

Current	10A	15A	25A	40A
H(높이)*W(폭)	76.7*38.1mm	90.6*38.1mm	102*38.1mm	102.2*45mm

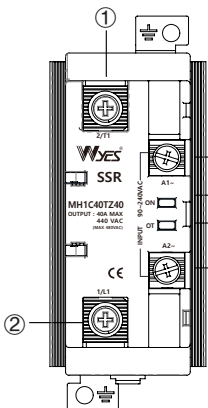
● Load Current Curve



● Block Diagram

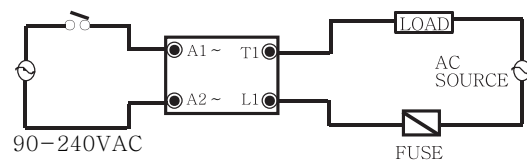


● Front Part Name



- ① Load Power Input Terminal
- ② Load Terminal
- ③ Control Input 90~240VAC(-)
- ④ Control Input 90~240VAC(-)
- ⑤ Control Input LED(RED)
- ⑥ O.T LED(YELLOW)

● Application Circuit



TRANS=NCCT 트랜스포머
 REACTOR 리액터
 SSR 무접점전자릴레이
 TPR 전력조정기
 SMPSS 스위칭파워
 N/F 노이즈필터
 H/F 하모닉필터
 SPD 서지보호기
 RELAY 보호계전기
 ELD=GFRL 누전경보기
 ZCT 영상변류기
 METER 판넬메타
 CT=VT 계기용변성기
 SHUNT=FAAN 션트팬