1Ø MG AC220V 10A~40A (DC/AC Type)

RoHS

DIN 방열판일체형(SSR/Heat Sink Type)



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 covers are 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

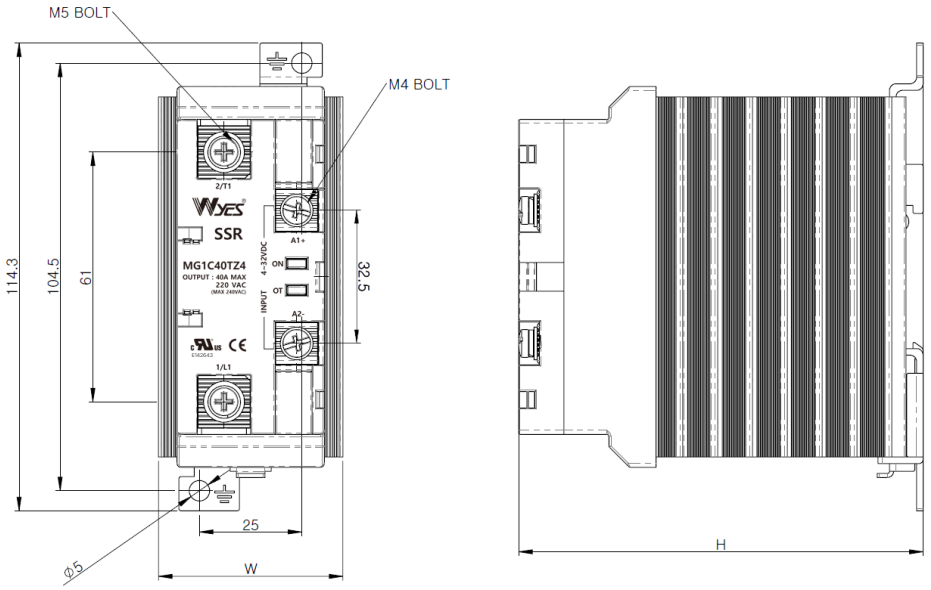
• UL Cer. No : E142643

ITEM \ MODEL			MG1C10 / 15 / 25 / 40TZ4				MG1C10 / 15 / 25 / 40TR4			
INPUT	Rated Control Voltage		4~32VDC							
	Maximum Input Voltage		32VDC							
	Rated Control Current		15±3mA							
	Turn Off Voltage		1.4VDC							
OUTPUT	Load Voltage		90~240VAC							
	Non Repetitve Peak Voltage		600VAC							
	Frquency		50/60HZ							
	Rated Load Current		10A	15A	25A	40A	10A	15A	25A	40A
	Surge Current 60HZ (8.3ms Non Repetitve)		170A	170A	260A	420A	168A	168A	260A	420A
	Surge Current 50HZ (10ms Non Repetitve)		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
	Leakage Current		5mA at the 220Vac							
GENERAL	Dielectric Strength		2500VAC for 1Minute							
	Insulation Resistance		DC 500V 100MΩ							
	Response Time		Z4 : 8.3±1ms				R4 : 1±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		Z4 : Zero Cross Type				R4 : Random Cross Type			
	Temperature Sensor(85°C)		O(※방열판85°C 이상 올라가면 출력 정지 ※방열판 온도가 60°C 이하로 내려가면 출력 복귀)							
	Operating Temperature		—30~80°C							
	Storage Temperature		—30~80°C							
	Ambient Humidity		45~85°C RH							
	Safety Standards		Z4 : cULus CE				R4 : 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							

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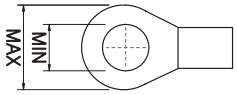
RoHS

Dimension



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

Terminal

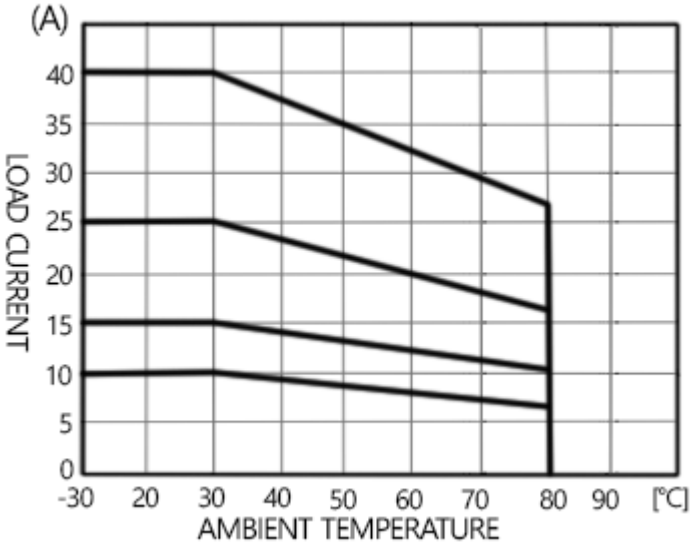


Input Ter : Max 10, Min 4
Output Ter : Max 12, Min 5

Torque

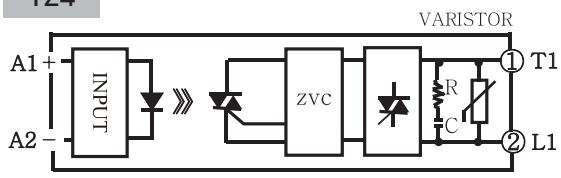
Input Ter : 1.3~1.5N(10~14Kgf.cm)
Output Ter : 2.1~3.0N(15~25Kgf.cm)

Load Current Curve



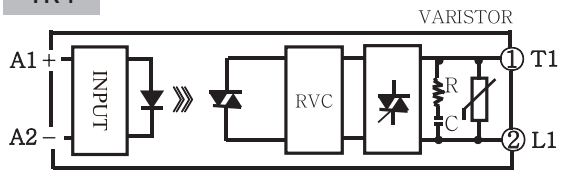
Block Diagram

TZ4



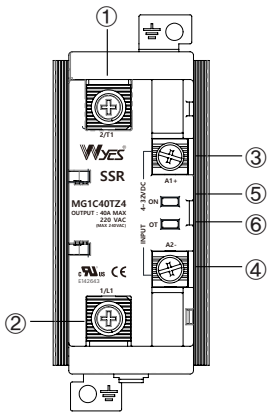
* ZVC : ZERO CROSS VOLTAGE CIRCUIT

TR4



* RVC : RANDOM CROSS VOLTAGE CIRCUIT

Front Part Name



① Load Power Input Terminal
② Load Terminal
③ Control Input 4~32VDC(+)
④ Control Input 4~32VDC(-)
⑤ Control Input LED (RED)
⑥ O.T LED(YELLOW)

Application Circuit

