

# Solid State Relay

Type:SR4080AE

Order No.:1080005

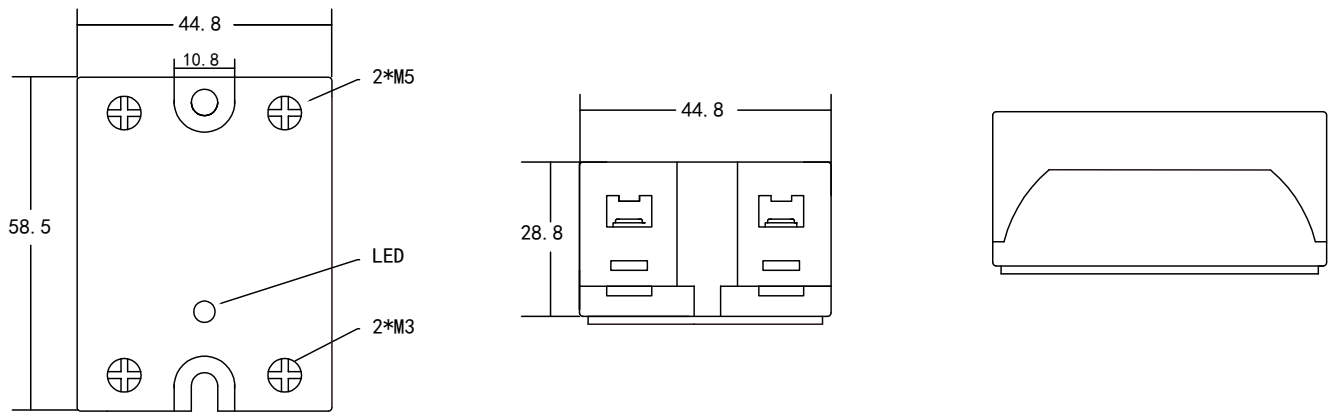


- Single phase
- Zero cross switching
- Rated operational current:80Aac
- Rated operational voltage:400Vac
- Control input:4-32Vdc
- Output over voltage protection:varistor



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## Dimensions(mm)



## Inputs Specifications

Control voltage	4-32Vdc
Pick-up voltage	4Vdc
Drop-out voltage	1.2Vdc
Max. input current	15mA
Max. reverse voltage	32Vdc
Response time pick-up	< 10ms
Response time drop-out	< 10ms

## Outputs Specifications

Rated operational current@Ta=25°C	AC51:80Aac
I <sup>2</sup> t value for fusing (t=10ms)	3200A <sup>2</sup> s
Critical rate of rise of on-state current (di/dt)	100A/μs
Non repetitive surge peak on-state current (t=10ms)	800A
Off-state leakage current@rated voltage	< 12mAac
Rated operational voltage range	42-440Vac
Operational frequency range	45-65Hz
Critical dV/dt off state min.	1500V/μs
Blocking voltage	1600V
On-state voltage drop @ rated current	1.3V

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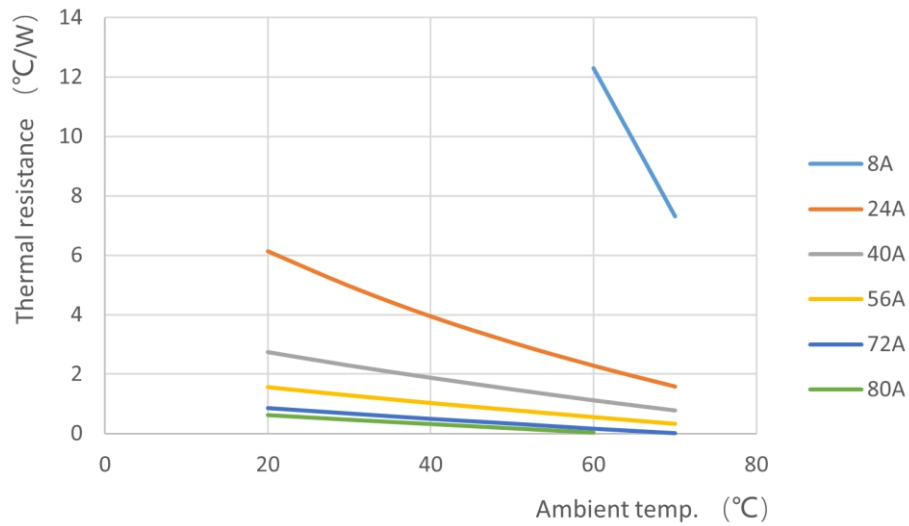
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## General Specifications

Operating temperature	-20°C - +70°C
Storage temperature	-40°C - +100°C
Housing material	PA66(UL-V0)
Baseplate	Aluminum
Isolation: input to output	4 kVac RMS
Approvals	CE

## Heatsink Selection



## Wiring Diagram

