



Features:

- Single phase DC to AC cost effective solid state relay
- 3.2-32Vdc input for DC to AC
- 25 amps
- Load 24~480Vac
- Panel mount
- Zero-crossing trigger
- Fast response and no noise

MS-1DA4825-MINI

Technical Specifications

Ordering Information

MS-1-2-3-4

1: Type of solid state relay

1 Single phase solid state relay

2: Input configuration

DA DC input, range 3.2-32Vdc

3: load voltage

48 24~480Vac 50/60HZ

4: Load amps

25-MINI 25 amps

Guidelines on the selection and usage of a solid state relay

- 1) This series of SSR is only suitable for resistive load in heating application, always consider to use the SSR to its 50% of current ratings.
- 2) **Heatsinks** must always be installed together with the SSR regardless of the load amps, natural convection cooling might be sufficient in some cases depends on the site situation, force air cooling must be taken into consideration under harsh conditions (contact our sales team for more info)
- 3) Fast fuse must be installed in the system to protect overload on the SSR
- 4) Silicon rubber pad or silicon compound must be applied to the bottom of the SSR to help the heat radiation
- 5) Our SSR is 480Vac load type, this is suitable for multiple line voltage system including 110V/220V/380V to maximum 480Vac
- 6) This is a normally open SSR, with no control input, the relay output is non-conducting, some specific types of SSR have a normally closed output, this needs to be specified before order

Mechanical and storage

Operating condition	-30℃~+75℃ 35~85% RH
Storage condition	-30℃~+95℃
Weight	0.03kg
Housing material	Fire retardant ABS

Electrical Technical Features (For DC to AC type)

Load Voltage	24~480Vac
Control Voltage	3.2-32Vdc
Minimum turn-on voltage	3.2Vdc
Minimum turn-off voltage	1Vdc
Maximum input current	25mA
Maximum turn-on time	10ms
Maximum turn-off time	10ms
Maximum Off-state Leakage Current [@ Rated Voltage]	5mA
Maximum On-state Voltage Drop [@ Rated Current]	1.6Vrms
Minimum Off-state dv/dt [@ Maximum Rated Voltage]	500V/ μ s
Dielectric Strength [50/60Hz]	input/output ≥ 3500Vrms
Dielectric Strength [50/60Hz]	input, output/base ≥ 2500Vrms
Transient Overvoltage	1200Vpk

Size

