

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	

2:Input configuration

DA	DC input, range 3.2-32Vdc
אט	Do input, range 5.2-52 vuc

3:load voltage

48 24~480Vac 50/60HZ			
48 74~48UVar 5U/6UH/	40	04 400\/ 50/00117	
	4K	24~48UVac 5U/bUH/	

Single phase solid state relay

4:Load amps

25-MINI	25 amps
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Guidelines on the selection and usage of a solid state relay

- 1)This series of SSR 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 nonconducting, some specific types of SSR have a normally closed output, this needs to be specificed before order

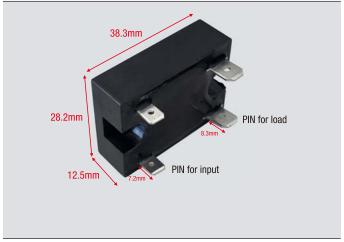
Mechanical and storage

Operating condition	-30℃~+75C° 35~85% RH
Storage condition	-30Ĉ~+95C°
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/ μs	
Dielectric Strength[50/60Hz]	input/output≥3500Vrms	
Dielectric Strength[50/60Hz]	input,output/base≥2500Vrms	
Transient Overvoltage	1200Vpk	

Size



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