

RoHS
Compliant



Description

The product is an industrial single phase relay with SCR output is widely used in many industrial applications. The relay can be used for resistive, inductive or capacitive load. The control input voltage is 4-32VDC . The output current is rated at 10A, 25A @ 48-280V AC.

Features

- Zero crossing switch
- Ratings from 10A to 25A @ 48-280V AC
- SCR output
- DC input
- Superior thermal performance
- Dielectric strength 4000VACrms
- MOV protection circuit

Applications

Suitable for high-low temperature chamber, plastics machinery, incubation machine, oiling machine, HVAC, elevator lighting, fountain controller.

Technical Specification

Input Circuit

Control Voltage Range	: 4V DC to 32V DC
Min. Turn-On Voltage	: 4V DC
Min. Turn-Off Voltage	: 1V DC
Max. Input Current	: 25mA

Output Circuit

Load Voltage	: 48 ~ 280V AC
Turn-on Time	: 10ms
Max. Turn-off Time	: 10ms
Max. Surge Current [@10ms]	
10A	: 100A
25A	: 250A
Max. I ² t For Fusing [@10ms]	
10A	: 50A ² S
25A	: 312A ² S

Solid State Relay

multicompPRO

Transient Over Voltage : 600Vpk

Max. Off-State Leakage Current [@ Rated Voltage] : 5mA

Max. On-state Voltage Drop [@ Rated Current] : 1.5Vrms

Min. Off-state dv/dt [@ Max. Rated Voltage] : 500V/μs

General Information

Dielectric Strength (50/60Hz)

Input/Output : 4000Vrms

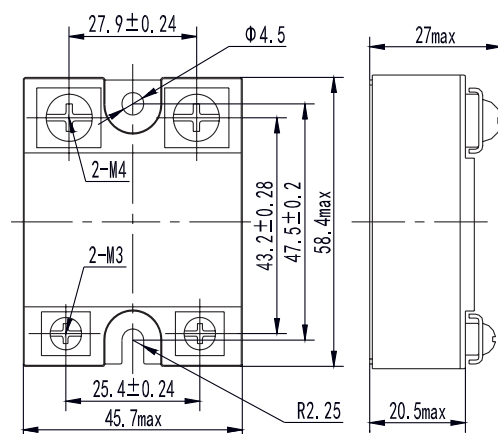
Input, Output/Base : 2500Vrms

Ambient Operating Temperature Range : -30°C to +80°C

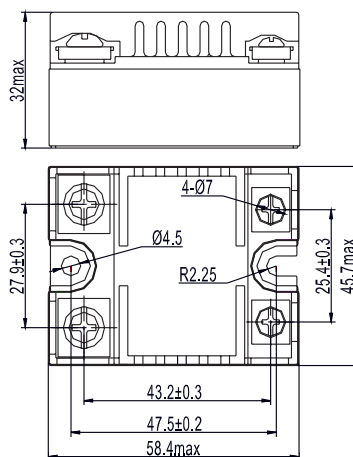
Ambient Storage Temperature Range : -30°C to +100°C

Weight (Typical) (Quick Connection Terminal) : 96g

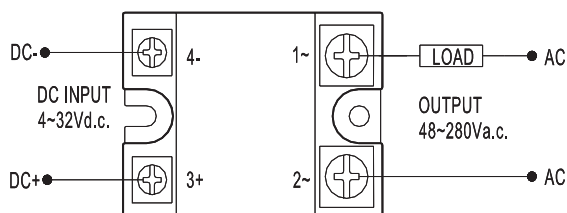
Diagram



SSR

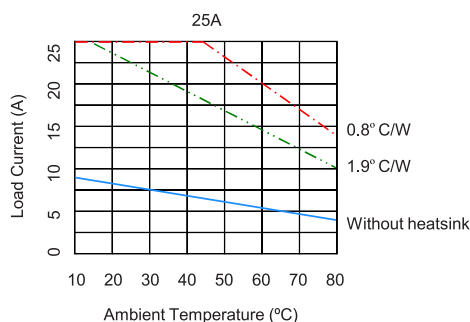
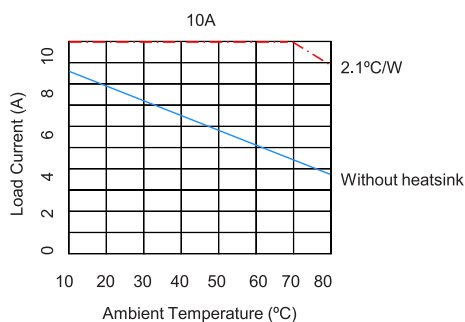


SSR with touch safe cover



Thermal Curve

Dimensions : Millimetres



Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

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Part Number Explanation

MCKSI	240	D	25	-L	M	(070)	+KPC-0A
MCKS1 Series	Load Voltage 240: 240V AC	Control Voltage D: DC Control	Load Current 10:10Amp 25:25Amp	L: LED indication	M: MOV	SCR Structure	+KPC-0A : Protecting Cover None : Without Protecting Cover

Part Number Table

Description	Part Number
SSR, 10A, 48-280V AC, 4-32V DC	MCKSI240D10-LM(070)
SSR, 10A, 48-280V AC, 4-32VDC	MCKSI240D10-LM+KPC-0A
SSR, 25A, 48-280V AC, 4-32V DC	MCKSI240D25-LM(070)
SSR, 25A, 48-280V AC, 4-32V DC	MCKSI240D25-LM(070)+KPC-0A

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