

Solid State Relay



RoHS
Compliant



Description

The product is 5A printed board mounted solid state relay. Control voltage is 4 ~ 32VDC. Opto-isolation is 4000VACrms. With high EMC and high inrush current capability.

Features

- Ratings from 0.1A to 5A @ 48-530VAC
- Control voltage: 4-15VDC, 4-32VDC
- PCB mounted
- Opto-isolation: $\geq 4000\text{VACrms}$
- High EMC capability
- High inrush current

Applications

Suitable for important industrial applications such as lighting control, motor control, ATM, medical device, elevator, and auto door

Technical Specification

Input Circuit

Control Voltage Range (-L & -W)	: 4V DC to 15V DC & 4V DC to 32V DC
Min. Turn-On Voltage (-L & -W)	: 4V DC
Min. Turn-Off Voltage	: 1V DC
Max. Input Current (-L & -W)	: 25mA & 20mA

Output Circuit

Load Voltage Range	: 48 ~ 280V AC
Transient Overvoltage	: 600Vpk
Load Current Range	: 0.1 ~ 5A
Max. Turn-On Time	
Zero Crossing	: 1/2AC Cycle + 1ms
Max. Turn-off Time	: 1/2AC Cycle + 1ms
Max. Surge Current (@10 ms) (5A)	: 200A
Max. Off-State Leakage Current [@ Rated Voltage]	: 1mA
Max. On-State Voltage Drop [@ Rated Current]	: 1.5Vrms
Min. Off-State dv/dt[@Maximum Rated Voltage]	: 200V/ μs

General Information

Dielectric Strength Input/Output (50/60Hz)	: $\geq 4000\text{Vrms}$
Ambient Operating Temperature Range	: -30°C to +80°C
Ambient Storage Temperature Range	: -30°C to +100°C
Weight (Typical)	: 16g

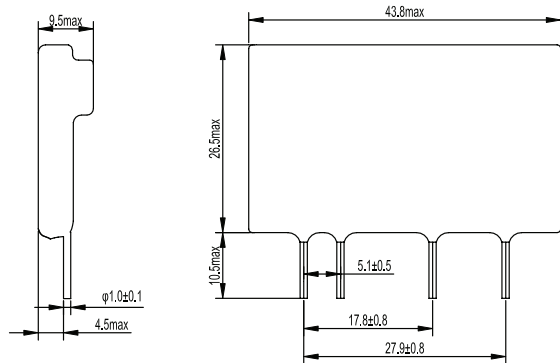
www.element14.com
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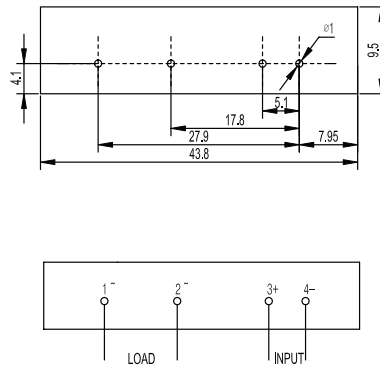


Diagram

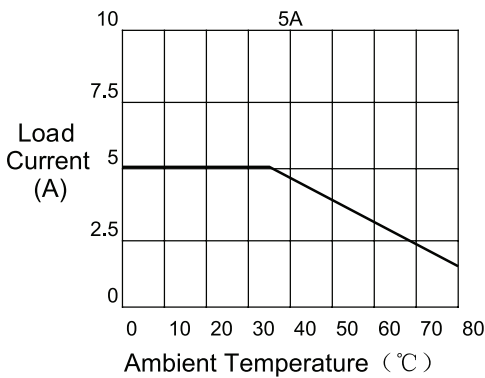


Dimensions : Millimetres

Wiring Diagram



Thermal Curve



Part Number Explanation

MCKSD	240	D	5	-L/W
MCKSD Series	Load Voltage 240: 240V AC	Control Voltage D: DC Control	Load Current 5: 5 Amp	Other L: 4-15V DC W: 4-32V DC

Part Number Table

Description	Part Number
SSR, 5A, 240VAC, 4-15V DC	MCKSD240D5-L
SSR, 5A, 24 - 280V AC, 4-32V DC	MCKSD240D5-W

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