ASR-F-60DA FOTEK 4-32VDC 24-550VAC Solid State Relay Datasheet

SKU: 994742012080

Category: Power Supplies & Circuit Protection

Price: **$32.00**

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Product Page: https://www.equipspares.com/product/asr-f-60da-fotek-4-32vdc-24-550vac-solid-state-relay

Product Description

FOTEK ASR-F-60DA is a single-phase solid state relay module featuring a 4 to 32 VDC input voltage, a 24 to 550 VAC maximum rated load voltage, and a 48 A rated continuous current. The structural architecture integrates an enhanced heat sink base, an 80 A built-in fuse, and intensive nylon terminal materials rated to UL94V0 flammability standards. Performance metrics include a high dielectric strength exceeding 4 KV rms, an isolation resistance of 100 MΩ at 500 VDC, and a rapid response time of ≤1 ms. The internal mechanism utilizes a zero-cross trigger method to mitigate electromagnetic interference, supported by robust surge voltage sustenance up to 2 KV.

ASR-F-60DA Specifications

Model Number: ASR-F-60DA
Brand: FOTEK
Product Category: Single Phase Fuse Type Enhanced Heat Sink Solid State Module (SSR)
Control Type: DC to AC
Input Voltage: 4 to 32 VDC
Maximum Rated Load Voltage: 24 to 550 VAC
Rated Current: 48 A
Fuse Current: 80 A
Response Time: ≤1 ms
Leakage Current: ≤5 mA
Surge Voltage Sustenance: 2 KV (EN61000-4-4)

Dielectric Strength: 4 KV rms (EN60950/VDE0805)
Isolation Resistance: 100 MΩ / 500 VDC
Terminal Material: Intensive Nylon (UL94V0)
Operating Temperature: -40 to 80 °C
Operating Humidity: 35 to 85 % RH
Cooling Mechanism: Enhanced Heat Sink Base
Protection Features: Built-in Fuse, Over-heat Protection Circuit (120 °C)
Certifications/Conformity: EN60947-4-3, EN60950

ASR-F-60DA Applications

Primary applications include integration into industrial electric heating systems, plastic injection molding temperature controllers, and high-power lighting distribution panels. Deployed within CNC machinery power routing and automated packaging equipment, this module provides precise, non-contact AC load switching. It is also utilized in HVAC control panels and motor control centers requiring high surge current sustenance and rapid zero-cross switching.

Supplemental Images


24 ~ 550VAC
FOTEK
Solid State Module
ASR-F-60DA
RoHs
Current Rated : 48A max.
Taiwan made
4 ~ 32VDC
FOTEK
Power
Regulator