KSR-40DA-H FOTEK 40A 480VAC 32VDC Solid State Relay Datasheet

SKU: 826767118322

Category: Power Supplies & Circuit Protection

Price: **$18.93**

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Product Page: https://www.equipspares.com/product/ksr-40da-h-fotek-40a-480vac-32vdc-solid-state-relay

Product Description

FOTEK KSR-40DA-H is a single-phase solid state relay featuring a 40 A rated load current, 90 to 480 VAC output voltage range, and 4 to 32 VDC control input. The hardware utilizes a zero-cross trigger mechanism to minimize electromagnetic interference and incorporates a built-in thermal protection circuit that trips at 120 °C. Engineered with a high dielectric strength exceeding 4 KV and an isolation resistance of 100 MΩ at 500 VDC, the module ensures robust electrical separation. The structural design supports panel mounting and is optimized for high surge current and voltage sustenance in demanding electrical environments.

KSR-40DA-H Specifications
Model Number: KSR-40DA-H
Brand: FOTEK
Product Category: Single Phase Solid State Relay (SSR)
Control Type: DC to AC
Input Voltage Range: 4 to 32 VDC
Output Voltage Range: 90 to 480 VAC (High Voltage Type)
Maximum Rated Load Current: 40 A
Switching Method: Zero-Cross Trigger
Dielectric Strength: > 4 KV
Isolation Strength: > 100 MΩ at 500 VDC
Overheat Protection: Built-in Thermal Trip at 120 °C

Surge Current Sustenance: High
Surge Voltage Sustenance: High
Phase: Single Phase
Certifications: EN60947-4-3, EN60950, CE, RoHS
Mounting Type: Panel Mount

KSR-40DA-H Applications

Primary applications include integration into industrial automation control panels, HVAC systems, and heavy-duty motor switching circuits. Deployed within plastic injection molding machinery, paper cup manufacturing equipment, and commercial food processing systems for precise thermal and load management. The relay is also utilized in LED lighting arrays and electrical distribution boards requiring reliable zero-cross switching.

Supplemental Images


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