

ELS4850S Crydom 50A 530VAC 32VDC Solid State Relay Datasheet



Brand: Crydom

SKU: [1021092602270](#)

Category: Power Supplies & Circuit Protection

Price: **\$79.29**

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Product Page: <https://www.equipspares.com/product/els4850s-crydom-50a-530vac-32vdc-solid-state-relay>

Product Description

Crydom ELS4850S is a 50 A, 48-530 VAC, 4-32 VDC solid state relay featuring a standard 58.4 x 45.7 mm hockey puck footprint. The unit utilizes an aluminum baseplate for optimized thermal dissipation and incorporates an internal RC snubber circuit for enhanced transient protection. It operates on a single-phase zero-cross switching mechanism with a maximum turn-on time of 8.3 ms at 60 Hz, interfacing via standard screw terminals for secure panel mounting.

ELS4850S Specifications

Model Number: ELS4850S

Brand: Crydom (Sensata)

Product Category: Solid State Relay (SSR)

Load Current Rating: 50 A

Load Voltage Range: 48-530 VAC

Control Voltage Range: 4-32 VDC

Operating Frequency: 47-63 Hz

Switching Type: Zero Cross

Phase Type: Single Phase

Maximum Off-State Leakage Current: 10 mA

Maximum Turn-On Time: 8.3 ms (60 Hz)

Maximum Turn-Off Time: 8.3 ms (60 Hz)

Operating Temperature Range: -40 to 80 °C

Over Temperature Protection: 120 °C

Mounting Type: Panel Mount

Baseplate Material: Aluminum

Internal Protection: RC Snubber Circuit

Control Signal Type: DC

Mounting Hole Distance: 44.5 mm

Mounting Hole Diameter: 4.9 mm

Country of Origin: China

ELS4850S Applications

Primary applications include integration into industrial heating control panels, CNC machinery spindle cooling systems, and commercial HVAC thermal management units. Deployed within plastic injection molding equipment and packaging machinery to provide precise, high-cycle switching of resistive and inductive loads.

Supplemental Images

