

RM1E40AA50 Carlo Gavazzi 460VAC 50A Solid State Relay Datasheet



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Category: Relays & Contactors

Price: **\$165.71**

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Product Description

Carlo Gavazzi RM1E40AA50 is a 1-pole panel-mounted solid state relay featuring a 340 to 460 VAC operating voltage, 50 A rated current, and a 4 to 20 mADC analog control input. The unit utilizes a proportional phase angle control mechanism, switching off at zero current crossing and activating based on the applied control signal. It incorporates an integral snubber network, built-in overvoltage protection, and a polarized lockable control connector. Power connections are secured via screw terminals with captive clamps, ensuring robust electrical continuity under high-load conditions.

RM1E40AA50 Specifications

Model Number: RM1E40AA50

Brand: Carlo Gavazzi

Product Category: Solid State Relays (SSR)

Mounting Type: Panel Mount

Number of Poles: 1-Pole

Output Switching Mode: Proportional (Phase Angle Control)

Operating Voltage (Ue): 340 to 460 VAC

Rated Current (Ie / AC-51): 50 A

Control Input Signal: 4 to 20 mADC

Blocking Voltage: 850 Vp

Power Connection: Screw with captive clamp

Protection: Built-in Overvoltage Protection

Additional Features: Integral snubber network, polarized lockable control connector

RM1E40AA50 Applications

Primary applications include integration into industrial heating control panels, high-power incandescent lighting arrays, and soft-start systems for slightly inductive loads such as small ventilation fans. Deployed within thermal management systems and phase-angle power controllers requiring precise analog modulation.

Supplemental Images

