

# RAM1A60D100G Carlo Gavazzi 660VAC 100A Solid State Relay Datasheet



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Category: Relays & Contactors

Price: **\$135.71**

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Product Page:

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## Product Description

Carlo Gavazzi RAM1A60D100G is a 1-pole panel mount solid state relay featuring a 42 to 660 VAC operational voltage, 100 A rated current, and a 4 to 32 VDC control input. The hardware utilizes an antiparallel thyristor output architecture with zero-cross switching capabilities and a 1200 Vp blocking voltage. Structural elements include a built-in varistor for transient overvoltage protection, an IP20-rated clip-on cover for touch protection, and screw terminals with captive clamps accommodating cables up to 16 mm<sup>2</sup>. The unit measures 58.2 x 44.8 x 28.8 mm and integrates an LED status indicator for the control input.

RAM1A60D100G Specifications

Model Number: RAM1A60D100G

Brand: Carlo Gavazzi

Product Category: Solid State Relays (SSR)

Series: RAM1A

Number of Poles: 1 (SPST-NO)

Output Switching Mode: Zero-Cross

Operating Voltage (Ue): 42 to 660 VAC

Blocking Voltage: 1200 Vp

Rated Current (AC-51): 100 A

Rated Current (AC-53a): 25 A

Control Voltage (Uc): 4 to 32 VDC

Output Device: Antiparallel Thyristor

Mounting Type: Panel Mount

Termination Style: Screw with Captive Clamp

Maximum Cable Capacity: 16 mm<sup>2</sup>

Dimensions (L x W x H): 58.2 x 44.8 x 28.8 mm

Weight: 0.2 lbs

Ingress Protection: IP20 (with clip-on cover)

Transient Protection: Built-in Varistor / Snubber

Status Indicator: LED Control Input

Certifications: EN60335-1 (Glow Wire Certified), RoHS Compliant

#### RAM1A60D100G Applications

Primary applications include integration into industrial heating control panels, plastic injection molding machines, and HVAC thermal management systems requiring high-frequency resistive or inductive load switching. Deployed within CNC spindle motor controls and commercial packaging equipment, the relay provides precise phase angle control and zero-crossing power regulation. The component is also utilized in automated lighting distribution boards and capacitive load switching networks where transient overvoltage protection is mandatory.

## Supplemental Images

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