

Solid State Relays Zero Switching Types RGS..E, RGS..EDIN

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- 17.5mm width
- Rated Operational voltage: Up to 600Vrms
- Rated Operational current: Up to 90Arms
- Up to 6600A²s for I²t
- Control voltages: 3-32 VDC, 20-275 VAC (24-190VDC)
- Input connection: Screw terminal or pluggable spring
- Output connection: Screw clamp/screw terminal
- Design according to IEC/EN60947-4-2, IEC/EN60947-4-3, IEC/EN62314, UL508, CSA22.2 No. 14-10
- Integrated voltage transient protection with varistor
- RoHS compliant
- Short circuit rating: 100 kA
- VDE approval
- Option for DIN mounting (RGS...DIN)

Product Description

Aim of this solid state switching device is to switch heater loads and motor loads frequently. The range offers solutions up to 90AAC in 17.5mm width. Output connections are via a screw connection, having a captivated washer allowing for safe looping. Input connection is provided either via a screw connection having a captivated

washer or via a pluggable spring loaded input. Other options with integrated heatsink are available in RGC ranges.

The RGS...DIN provides an option for DIN mounting of the RGS series. Minimum AC51 rating @ 40°C is 10AAC.

Specifications are at a surrounding temperature of 25°C unless otherwise specified.

Ordering Key

RGS 1 A 60 D 75 K K E

- Solid state relay
- Number of poles
- Switching mode
- Rated operational voltage
- Control voltage
- Rated operational current
- Connection type for control
- Connection type for power
- Connection configuration
- Option

Ordering Key

| 1Phase SSR with no heatsink | Rated Voltage | Control Voltage | Rated Current | Connection Control | Connection Power | Connection Configuration | Options |
|--------------------------------|------------------------|--------------------------------|--|---|---------------------|-----------------------------|---|
| RGS1A: ZC | 23: 230V +10% - 15% | D: 3 - 32 VDC (4-32VDC) | 25: 25A, 1200Vp 50: 50A, 1200Vp | K: Screw M: pluggable spring-loaded | K: Screw | E: Contactor | HT: Thermal pad H51: Heatsink RHS37A DIN: DIN rail mount |
| RGS1B: IO | 60: 600V +10% -15% | A: 20 - 275VAC (24-190 VDC) | 51: 50A, 1600Vp 75: 75A, 1200Vp 90: 90A, 1200Vp 91: 90A, 1600Vp | | | | |