

Applications



DIN mounting

RGS1 solid state relay can be DIN mounted by means of the RGS1DIN accessory. RGS1 rating up to 12AAC @ 40°C (104°F) when mounted on RGS1DIN



RGS Power Pack

A pack with maximum 11 RGS1.. on heatsink with integrated overheating protection. Rating per SSR goes up to 30AAC @ 40°C (104°F)



Thermal pads

An alternative to thermal paste: RGHT is a pack of 10 thermal pads. Suffix 'HT', hence RGS...HT, for factory mounted thermal pad



Heatsinks

A number of heatsinks are available for mounting the RGS on different heatsinks than those offered in the RGC series. The smallest heatsink in the range is a low profile 17.5mm heatsink, the RHS37A

Selection guide

'E' type configurations

| Rated voltage, Blocking voltage, Switching mode | Connection Control / power | Control voltage | 25AAC (525A ² s) 17.5mm | 50AAC (1800A ² s) 17.5mm | 75AAC (3200A ² s) 17.5mm | 90AAC (6600A ² s) 17.5mm | 90AAC (18000A ² s) 17.5mm |
|---|----------------------------|---------------------------|------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--------------------------------------|
| 230VAC, 800Vp ZC | x / Screw | 3 - 32VDC | RGS1A23D25xKE | RGS1A23D50xKE | RGS1A23D75KKE | - | - |
| | | 20 - 275VAC (24 - 190VDC) | RGS1A23A25xKE | RGS1A23A50xKE | RGS1A23A75KKE | - | - |
| 600VAC, 1200Vp ZC | x / Screw | 4 - 32VDC | RGS1A60D25xKE | RGS1A60D50xKE | RGS1A60D75KKE | RGS1A60D90xKE | RGS1A60D92xKE |
| | | 20 - 275VAC (24 - 190VDC) | RGS1A60A25xKE | RGS1A60A50xKE | RGS1A60A75KKE | RGS1A60A90xKE | RGS1A60A92xKE |
| | x / Box | 4 - 32VDC | - | RGS1A60D50xGE | - | - | RGS1A60D92xGE |
| | | 20 - 275VAC (24 - 190VDC) | - | RGS1A60A50KGE | - | - | RGS1A60A92KGE |
| 600VAC, 1600Vp ZC | Screw / Screw | 4 - 32VDC | - | RGS1A60D51KKE | - | RGS1A60D91KKE | - |
| | | 20 - 275VAC (24 - 190VDC) | - | RGS1A60A51KKE | - | RGS1A60A91KKE | - |
| 600VAC, 1200Vp IO | Screw / Screw | 4 - 32VDC | RGS1B60D25KKE | RGS1B60D50KKE | RGS1B60D75KKE | RGS1A60D90KKE | - |

'U' type configurations

| Rated voltage, Blocking voltage, Switching mode | Connection Control / power | Control voltage | 20AAC (525A ² s) 17.5mm | 30AAC (1800A ² s) 17.5mm | - | - | - |
|---|----------------------------|---------------------------|------------------------------------|-------------------------------------|---|---|---|
| 230VAC, 800Vp ZC | Screw / Box | 3 - 32VDC | RGS1A23D20KGU | RGS1A23D30KGU | - | - | - |
| | | 20 - 275VAC (24 - 190VDC) | RGS1A23A20KGU | RGS1A23A30KGU | - | - | - |
| 600VAC, 1200Vp ZC | Screw / Box | 4 - 32VDC | RGS1A60D20KGU | RGS1A60D30KGU | - | - | - |
| | | 20 - 275VAC (24 - 190VDC) | RGS1A60A20KGU | RGS1A60A30KGU | - | - | - |
| 600VAC, 1200Vp IO | Screw / Box | 4 - 32VDC | RGS1B60D20KGU | RGS1B60D30KGU | - | - | - |

x = control connection type, x = 'K' for screw, x = 'M' for spring

ZC = Zero Cross Switching, IO = Instant On Switching

Further details are available on online datasheets at www.gavazziautomation.com

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