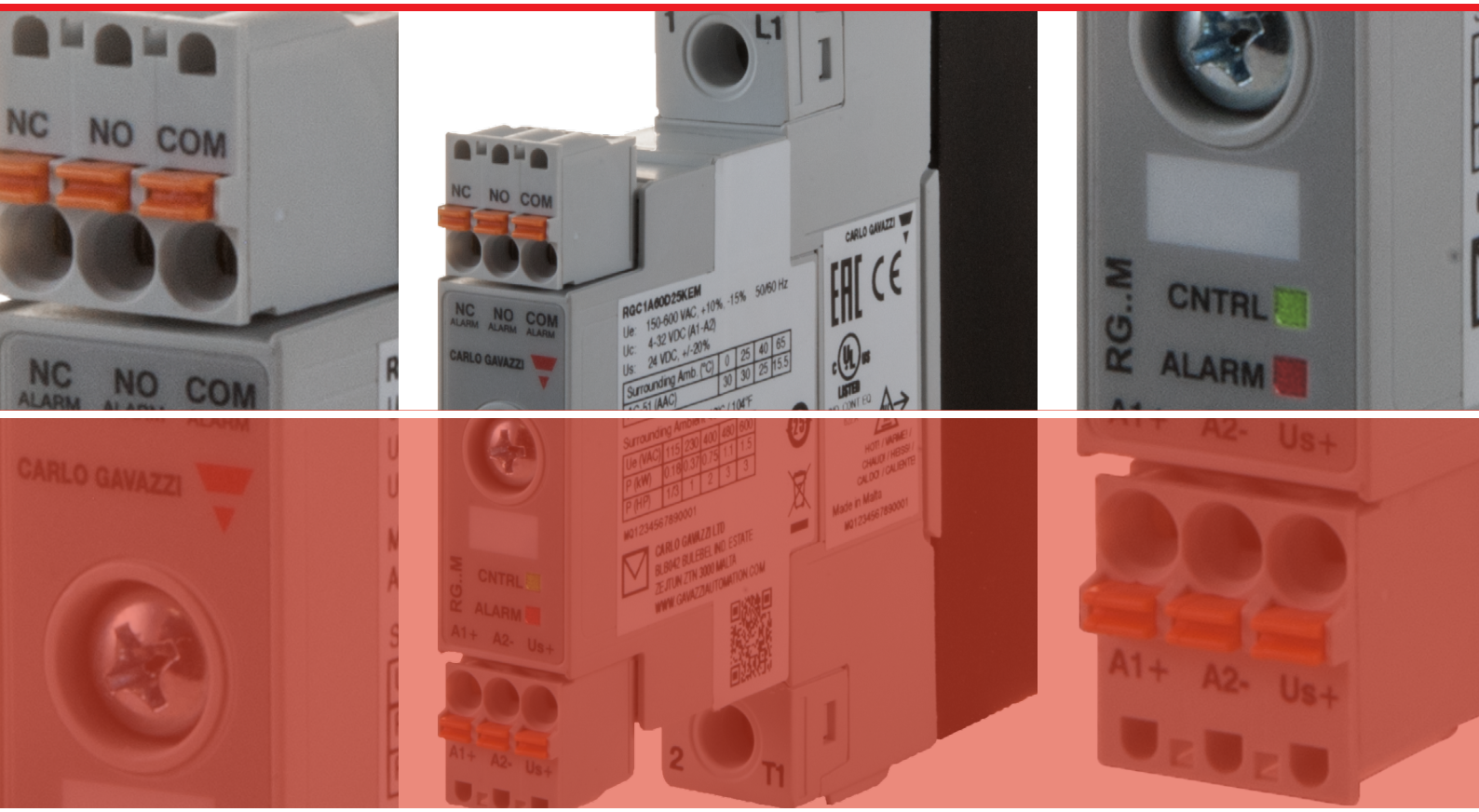
CARLO GAVAZZI
Automation Components

CARLO GAVAZZI



RG..M: Solid state relays with integrated monitoring

Switches

RG..M series
Solid state relays with integrated monitoring

Fault handling is a recurring headache for machine builders due to the time consumed to identify the fault and the negative effect it leaves on productivity. Having machine components that are able to indicate where the fault is happening and distinguish between certain failures means less maintenance costs and minimised machine downtime.

With the **RG..M** series, Carlo Gavazzi has enhanced the versatility of its successful RG range of solid state relays to include monitoring functions on top of the switching capabilities in a slim 17.8mm footprint. Detection of system faults (mains loss, load loss, SSR open and short circuit), SSR internal error and supply out of range are visualised on the front façade of the SSR via LEDs and can also be monitored remotely via a transistor output integrated in the SSR.



Timely failure detection in plug and play solutions

Main features

- Monitoring for system fault (mains loss, load loss, SSR open and short circuit), SSR internal error and supply out of range
- 1-phase zero cross AC switching
- Ratings for RGC..M: up to 660 VAC, 65 AAC
- Ratings for RGS..M: up to 660 VAC, 90 AAC
- 17.8 mm platform, up to 70 mm for RGC > 30 AAC
- DC control voltage range: 4 - 32 VDC
- 24 VDC supply voltage
- Up to 18000 A^2s for Type B Miniature Circuit Breaker protection
- 100 kArms short circuit current rating acc. to UL508

Benefits

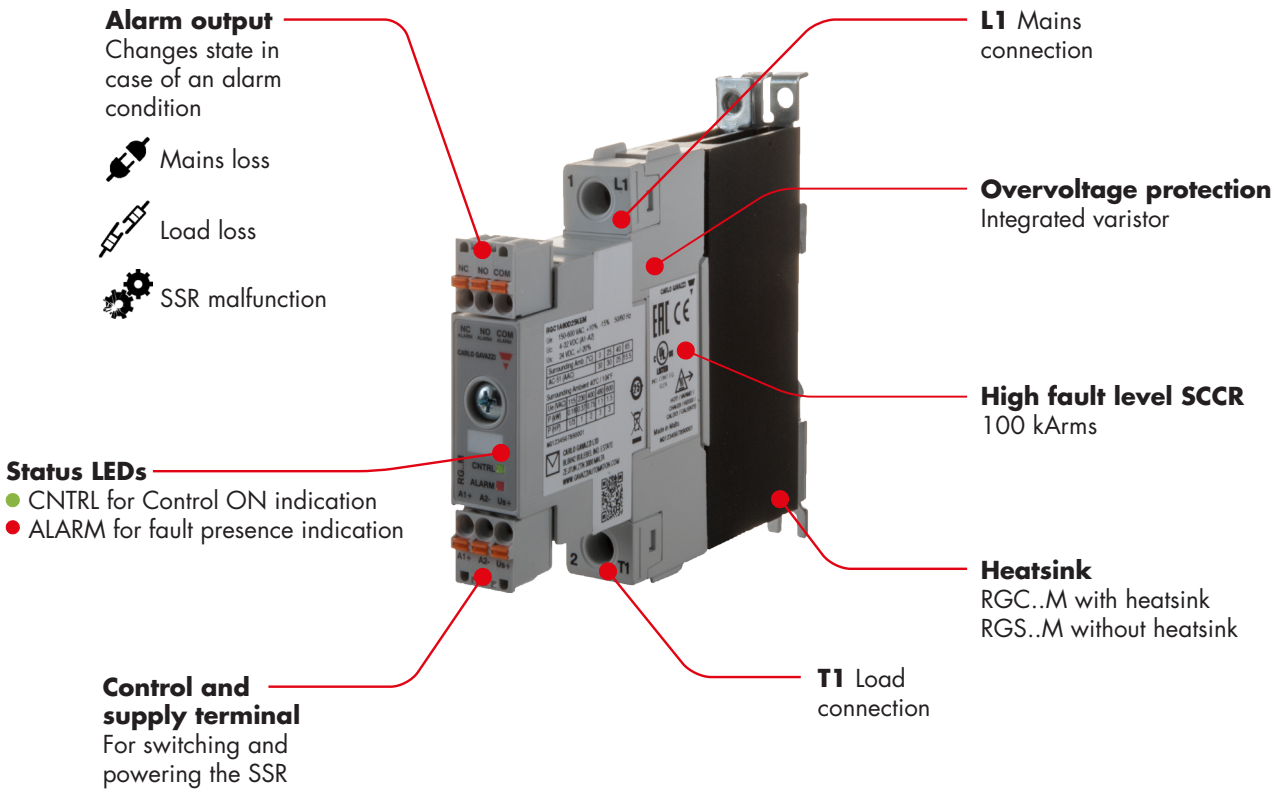


Cost savings with timely failure detection:

- **Increased production throughput**
  Fast reaction to failures
- **Machine uptime**
  Reliability through integrated over voltage protection
- **Fast installation**
  Spring plugs for auxiliary terminals
- **Easy troubleshooting**
  Various faults distinguished via a flashing LED
- **Panel space savings**
  Switching and monitoring in a 17.8mm platform

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Main features



UR, CSA only for RGS..M (version without integrated heatsink)

Selection guide

RGC..M (with integrated heatsink)

Rated voltage	20 AAC (525 A²s) 17.8 mm	25 AAC (1800 A²s) 17.8 mm	30 AAC (1800 A²s) 22.5 mm	30 AAC (6600 A²s) 17.8 mm	43 AAC (18000 A²s) 35 mm	65 AAC (18000 A²s) 70 mm
230 VAC	**RGC1A23D15KEM**	-	-	-	-	-
600 VAC	**RGC1A60D15KEM** -	**RGC1A60D25KEM** -	**RGC1A60D30KEM** -	**RGC1A60D31KEM** -	- **RGC1A60D42GEM**	- **RGC1A60D62GEM**

RGS..M (without heatsink)

Rated voltage	50 AAC (1800 A²s) 17.8 mm	90 AAC (18000 A²s) 17.8 mm	-	-	-	-
600 VAC	**RGS1A60D50KEM**	**RGS1A60D92KEM**	-	-	-	-

KEM = screws for power terminals | GEM = box clamps for power terminals
Further details are available on online datasheets at www.gavazziautomation.com

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BRO 1POLE RG_M SERIES ENG 02/26
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