

EU Declaration of Conformity

We the manufacturer

CARLO GAVAZZI LTD.,

BLB042, Bulebel Industrial Estate, Zejtun, ZTN3000, MALTA. Tel: +356 23601101

Declare under our sole responsibility as manufacturer that the products:

Semiconductor Controller – RG Solid State Contactor series' :

**RGC1A*, RGC1B*, RGS1A*, RGS1B*, RGH1A*, RGC1S, RGS1S,
RGC1FA, RGC1FS, RGC2A*, RGC3A*, RGCM2A and RGCM3A**

are in conformity with the applicable requirements of the following Directives based on compliance with the following standards, provided that these products are installed, maintained and used in the application intended for, with respect to the relevant manufacturer's instructions, installation standards and "good engineering practice":

Low Voltage Directive 2014/35/EU

EN 60947-4-2: 2012

Low-voltage switchgear and control gear. Part 4-2: Contactors and motor starters
- AC semiconductor controllers and contactors for motor loads

EN 60947-4-3: 2014

Low-voltage switchgear and control gear. Part 4-3: Contactors and motor starters
- AC semiconductor controllers and contactors for non-motor loads

EMC Directive 2014/30/EU

EN 60947-4-3: 2014

Low-voltage switchgear and control gear. Part 4-3: Contactors and motor starters
- AC semiconductor controllers and contactors for non-motor loads

RoHS Directive 2011/65/EU and 2015/863/EU amendment

EN 63000: 2018

Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances



for the Manufacturer

Place/date

Malta, 25th October 2021

Signature
Name


Darren Harrison
(Director of Switches Division)

Notes:

It shall be the responsibility of the system integrator to ensure that the system containing the above component complies with the applicable rules and regulations for their system.
(* Refer to page 2 for additional conformance.

EU Declaration of Conformity of Interoperability Constituents

We the manufacturer

CARLO GAVAZZI LTD.,

BLB042, Bulebel Industrial Estate, Zejtun, ZTN3000, MALTA. Tel: +356 23601101

Declare under our sole responsibility as manufacturer that the following models of interoperability constituents:

Semiconductor Controller – RG Solid State Contactor series' :

**RGC1A, RGS1A, RGH1A, RGC1B, RGS1B
and DC control (*) variants of; RGC2A, RGC3A**

To which this declaration refers are in conformity with the relevant Union laws:

Rail System Interoperability (RSID) Directive 2008/57/EC

EN 50155: 2007 / AC: 2012	Railway applications – Electronic equipment used on rolling stock
EN 45545-2: 2013 / A1: 2015	Railway applications – Fire protection on railway vehicles - Part 2: Requirements for fire behaviour of materials and components


Electro-Magnetic Compatibility (EMCD) Directive 2014/30/EU

EN 50121-3-2: 2016	Railway applications – Electromagnetic compatibility. Part 3-2: Rolling stock - Apparatus
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CE marking: Design and manufacturing follows the provisions of the products' specific European Directives and Standards.

for the Manufacturer

Place/date	Malta, 25 th October 2021
Signature	
Name	Darren Harrison (Director of Switches Division)

Conditions of use:

It shall be the responsibility of the system integrator to ensure that the system containing the above component complies with the applicable rules and regulations for their system.
The above-mentioned products were designed according to product specific standards EN 60947-4-2 and EN 60947-4-3.
Hence for Railway applications Annex G of EN50155 for non-railway designed electronic equipment was adopted throughout.
The heatsink is installed with a connection to ground, if this connection is via a cable, then it should be <0.5metres in length.
(* Monitoring models of RGC2 / RGC3, catalogue numbers ending with _M are not included within this Railway declaration.

