





## Agency Approvals and Conformances

<b>Conformance</b>	IEC/EN 62314 IEC/EN 60947-4-2 IEC/EN 60947-4-3	<b>Agency Approvals</b>	UL508 Listed (E172877) cUL Listed (E172877) VDE 0660-109 GL <sup>12</sup>
   		<b>Short Circuit Current Rating</b>	100kA, UL508

## Electromagnetic Compatibility

<b>EMC Immunity</b>	IEC/EN 61000-6-2	<b>Electrical Surge Immunity</b> (for RGC...EP)	IEC/EN 61000-4-5
<b>Electrostatic Discharge (ESD) Immunity</b>	IEC/EN 61000-4-2	Output, line to line, 1kV	Performance Criteria 1
Air discharge, 8kV	Performance Criteria 1	Output, line to earth, 2kV	Performance Criteria 1
Contact, 4kV	Performance Criteria 1	DC lines, line to line, 500V	Performance Criteria 2
<b>Electrical Fast Transient (Burst) Immunity</b>	IEC/EN 61000-4-4	DC lines, line to earth, 500V	Performance Criteria 2
Output: 2kV, 5kHz	Performance Criteria 1	Signal lines, line to earth, 1kV	Performance Criteria 2
Input: 1kV, 5kHz	Performance Criteria 1	<b>Radiated Radio Frequency Immunity</b>	IEC/EN 61000-4-3
<b>Electrical Surge Immunity</b> (for RGC...E)	IEC/EN 61000-4-5	10V/m, 80 - 1000 MHz	Performance Criteria 1
Output, line to line, 1kV	Performance Criteria 1	10V/m, 1.4 - 2 GHz	Performance Criteria 1
Output, line to earth, 2kV	Performance Criteria 1	3V/m, 2 - 2.7 GHz	Performance Criteria 1
Input, line to line, 1kV	Performance Criteria 2	<b>Conducted Radio Frequency Immunity</b>	IEC/EN 61000-4-6
Input, line to earth, 2kV	Performance Criteria 2	10V/m, 0.15 - 80 MHz	Performance Criteria 1
<b>EMC Emission</b>	IEC/EN 61000-6-4	<b>Voltage Dips Immunity</b>	IEC/EN 61000-4-11
<b>Radio Interference</b>		0% for 10ms/20ms	Performance Criteria 2
<b>Voltage Emission (Conducted)</b> 0.15 - 30MHz	IEC/EN 55011 Class A (industrial) with filters - see filter information IEC/EN 60947-4-2, 60947-4-3 Class A (no filtering needed)	40% for 200ms	Performance Criteria 2
		70% for 500ms	Performance Criteria 2
		<b>Voltage Interruptions Immunity</b>	IEC/EN 61000-4-11
		0% for 5000ms	Performance Criteria 2
		<b>Radio Interference</b> <b>Field Emission (Radiated)</b> 30 - 1000MHz	IEC/EN 55011 Class A (industrial)

## Environmental Specifications

Operating Temperature <sup>11</sup>	-40°C to 80°C (-40°F to +176°F)	Vibration resistance (2-100Hz, IEC60068-2-26, EN50155, EN61373)	2g per axis
Storage Temperature	-40°C to 100°C (-40°F to +212°F)	Relative humidity	95% non-condensing @ 40°C
RoHS (2002/95/EC)	Compliant	UL flammability rating (housing)	UL 94 V0
Impact resistance (EN50155, EN61373)	15/11 g/ms		
<b>Weight</b>		RGC..30 (P)	approx. 375g (412g)
RGC..15	approx. 260g	RGC..4x (P)	approx. 515g (581g)
RGC..20 (P)	approx. 315g (360g)	RGC..6x (P)	approx. 972g (1020g)
RGC..25 (P)	approx. 260g (307g)	RGC..9x (P)	approx. 1100g

11. Operating temperature range for RGC..P (overtemperature protection) is -30°C to 70°C (-22°F to 158°F)

12. Applicable to models RGC1...15.KE, RGC1...20.KE, RGC1...25..KE and RGC1...30.KE