



Agency Approvals and Conformances

Conformance & Approvals	RGC1S.. EN/IEC 60947-4-3 EN/IEC 62314 UL508 Listed (E172877) cUL Listed (E172877)	Conformance & Approvals	RGS1S.. EN/IEC 60947-4-3 EN/IEC 62314 UL 508 Recognised (E172877) CSA 22.2 No. 14-10 (204075)
Short Circuit Current Rating	100kA, UL508	Short Circuit Current Rating	100kA, UL508



Electromagnetic Compatibility

EMC Immunity	IEC/EN 61000-6-2	10V/m, 80 - 1000 MHz	Performance Criteria 1
Electrostatic Discharge (ESD) Immunity	IEC/EN 61000-4-2	10V/m, 1.4 - 2 GHz	Performance Criteria 1
Air discharge, 8kV	Performance Criteria 1	3V/m, 2 - 2.7 GHz	Performance Criteria 1
Contact, 4kV	Performance Criteria 1	Conducted Radio Frequency Immunity	IEC/EN 61000-4-6
Electrical Fast Transient (Burst) Immunity	IEC/EN 61000-4-4	10V/m, 0.15 - 80 MHz	Performance Criteria 1
Output: 2kV, 5kHz	Performance Criteria 1	Voltage Dips Immunity	IEC/EN 61000-4-11
Input: 1kV, 5kHz	Performance Criteria 1	0% for 10ms/20ms,	Performance Criteria 2
Electrical Surge Immunity	IEC/EN 61000-4-5	40% for 200ms	Performance Criteria 2
Output, line to line, 1kV	Performance Criteria 1	70% for 500ms	Performance Criteria 2
Output, line to earth, 2kV	Performance Criteria 1	Voltage Interruptions Immunity	IEC/EN 61000-4-11
DC lines, line to line, 500V	Performance Criteria 2	0% for 5000ms	Performance Criteria 2
DC lines, line to earth, 500V	Performance Criteria 2		
Signal lines, line to earth, 1kV	Performance Criteria 2		
Radiated Radio Frequency Immunity	IEC/EN 61000-4-3		
EMC Emission	IEC/EN 61000-6-4	Radio Interference Field Emission (Radiated)	IEC/EN 55011
Radio Interference Voltage Emission (Conducted)	IEC/EN 55011	30 - 1000MHz	Class A (industrial)
0.15 - 30MHz	Class A (industrial) with filters - see filter information IEC/EN 60947-4-2, IEC/EN60947-4-3 Class A (no filtering needed)		

Note:

- Control input lines must be installed together to maintain products' susceptibility to Radio Frequency interference.
- Use of AC solid state relays may, according to the application and the load current, cause conducted radio interferences. Use of mains filters may be necessary for cases where the user must meet E.M.C requirements. The capacitor values given inside the filtering specification tables should be taken only as indications, the filter attenuation will depend on the final application.
- Performance Criteria 1: No degradation of performance or loss of function is allowed when the product is operated as intended.
- Performance Criteria 2: During the test, degradation of performance or partial loss of function is allowed. However when the test is complete the product should return operating as intended by itself.
- Performance Criteria 3: Temporary loss of function is allowed, provided the function can be restored by manual operation of the controls.