

Ferrogard GD2

Specifications

Safety Ratings			
Standards	EN954-1, ISO13849-1, IEC/EN60204-1, NFPA79, EN1088, ISO14119, ANSI B11.19, AS4024.1		
Safety Classification	Cat. 1 Device per EN954-1 Dual channel interlocks suitable for Cat. 3 or 4 systems		
Functional Safety Data * Note: For up-to-date information, visit http://www.ab.com/Safety/	B10d: > 2 x 10 ⁶ operations at min. PFH _D : > 3 x 10 ⁻⁷ MTTFd: > 385 years Dual channel interlock may be suitable for performance levels PLe or PLd (according to ISO 13849-1:2006) and for use in SIL2 or SIL3 systems (according to IEC 62061) depending on application characteristics		
Certifications	CE Marked for all applicable directives and cULus		
Outputs (Guard Door Closed, Actuator in Place)			
Safety Outputs	1 N.C.	2 N.C.	2 N.C.
Auxiliary Outputs	1 N.O.	—	1 N.O.
Operating Characteristics			
Operating Distance, Make [mm (in.)]	Safety: 12 (0.47); Auxiliary: 15 (0.59)		
Operating Distance, Break [mm (in.)]	Safety: 23 (0.91); Auxiliary: 26 (1.02)		
Environmental			
Enclosure Type Rating	IP68 (NEMA 6P)		
Operating Temperature [C (F)]	-25...+125° (-13...+257°)		
Relative Humidity	5...95%		
Shock	IEC 68-2-27, 30 g, 11 ms		
Vibration	IEC 68-2-6, 10...200 Hz		
Radio Frequency	IEC 61000-4-3, IEC 61000-4-6		
Physical Characteristics			
Housing Material	Stainless Steel; BS3146 ANC4B (316L)		
Actuator Material	Stainless Steel; BS3146 ANC4B (316L)		
Weight [g (lb)]	Sensor: 156 (0.34); Actuator: 168 (0.37)		

* Usable for ISO 13849-1:2006 and IEC 62061. Data other than B10d is based on:
 - Usage rate of 1op/10 mins., 24 hrs/day, 360 days/year, representing 51840 operations per year
 - Mission time/Proof test interval of 38 years