



Connection Technology Center  
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### Safety Integrity Level (SIL) Certificate of Compliance

The following parts mentioned are suitable for use in safety related systems up to and including SIL 2 in accordance with IEC 61508. The mean time to failure was calculated using the IEC 62380 protection method. Since the mode of operation is continuous, failures per hour is used to determine the Safety Integrity Level (SIL).

**Parts tested:**

Part Number	Description	Failures/Hour
AC919 SERIES	Intrinsically Safe Accelerometer, Side Exit Connector/Cable, 100 mV/g Low Capacitance, ±5%	1.41677E-07

Certified by

Colin Walker  
Quality Assurance and Regulatory Affairs Manager