

Certification

Standards compliance

Since functional safety is at the core of the FSC design, the system has been certified for use in safety applications all around the world. FSC was developed specifically to comply with the strict German DIN/VDE functional safety standards, and has been certified by TÜV for use in AK 1 to 6 applications. FSC has also obtained certification in the United States for the UL 1998 and ANSI/ISA S84.01 standards.

FSC-based safety solutions and related Honeywell services can help you comply with the new ANSI/ISA S84.01 standard for safety-instrumented systems up to Safety Integrity Level (SIL) 3, as well as the new international standard IEC 61508 for functional safety. These new standards address the management of functional safety throughout the entire life cycle of your plant.

Certification

FSC has been certified to comply with the following standards:



TÜV Bayern (Germany) - Certified to fulfill the requirements of "Class 6" (AK6) safety equipment as defined in the following documents: DIN V VDE 19250, DIN V VDE 0801 incl. amendment A1, DIN VDE 0110, DIN VDE 0116, DIN VDE 0160 incl. amendment A1, DIN EN 54-2, DIN VDE 0883-1, DIN IEC 68, IEC 61131-2.



Instrument Society of America (ISA) - Certified to fulfill the requirements laid down in ANSI/ISA S84.01.



Canadian Standards Association (CSA) - Complies with the requirements of the following standards: CSA Standard C22.2 No. 0-M982 General Requirements - Canadian Electrical Code, Part II; CSA Standard C22.2 No. 142-M1987 for Process Control Equipment.



Underwriters Laboratories (UL) - Certified to fulfill the requirements of UL 508, UL 991, UL 1998, and ANSI/ISA S84.01.



CE compliance - Complies with CE directives 89/336/EEC (EMC) and 73/23/EEC (Low Voltage).



Factory Mutual (FM) - Certified to fulfill the requirements of FM 3611 (nonincendive field wiring circuits for selected modules).



The FSC functional logic diagrams (FLDs) are compliant with IEC 61131-3.

The design and development of the FSC system are compliant with IEC 61508:1999, Parts 1-7 (as certified by TÜV).