





Annex I

No. 0P250226.SRC0N48

1. Restrictions:
The unit must be properly designed into a Safety Instrumented Function per the Safety Manual requirements.
2. SIL 3 Capability:
The product has met manufacturer design process requirements of Safety Integrity Level (SIL). These are intended to achieve sufficient integrity against systematic errors of design by the manufacturer.

3. IEC 61508 Failure Rates:

Device	λ_{SD}	λ_{SU}	λ_{DD}	λ_{DU}	SFF
BFD1, BFD2, BFD3, BFD4 Series	0 FIT	281.61 FIT	184.81 FIT	51.38 FIT	90.08%

4. SIL Verification:
The Safety Integrity Level (SIL) of an entire Safety Instrumented Function (SIF) must be verified via a calculation of PFD_{avg} considering redundant architectures, proof test interval, proof test effectiveness, any automatic diagnostics, average repair time and the specific failure rates of all products included in the SIF. Each subsystem must be checked to assure compliance with minimum hardware fault tolerance (HFT) requirements.