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# 61508 Sil 2 Capable Exida

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## [EPUB] 61508 Sil 2 Capable Exida

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### 61508 Sil 2 Capable Exida

#### **61508 SIL 2 CAPABLE - exida**

of a detailed safety case against the requirements of IEC 61508 - exida reviewed and assessed a detailed Failure Modes, Effects, and Diagnostic Analysis (FMEDA) of the devices to document the hardware architecture and failure behavior The functional safety assessment was performed to the requirements of IEC 61508, SIL 2 A full

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#### **Certificate / Certificat Zertifikat**

IEC 61508 Failure Rates in FIT\* Page 2 of 2 80 N Main St Sellersville, PA 18960 T-062, V3R1 \* FIT = 1 failure / 109 hours Systematic Capability: The product has met manufacturer design process requirements of Safety Integrity Level (SIL) 2 These are intended to achieve sufficient integrity against systematic errors of design by the manufacturer

#### **IEC 61508 Functional Safety Assessment - Pepperl+Fuchs**

The functional safety assessment was performed to the requirements of IEC 61508:2010, SIL 2 A full IEC 61508 Safety Case was prepared using the exida Safety Case tool as the primary audit tool Hardware process requirements and all associated documentation were reviewed Environmental test reports were reviewed

#### **IEC 61508 Assessment - Emerson**

T-023 V3R3 www.exidacom Page 2 of 21 Management Summary This report summarizes the results of the functional safety assessment according to

IEC 61508 carried out on the 3144 Temperature Transmitter 3144 4-20mA / HART Temperature Transmitter The functional safety assessment performed by exida consisted of the following activities: - exida

#### **61508 SIL 3 CAPABLE - exida.com**

The functional safety assessment was performed to the requirements of IEC 61508, SIL 3 A full IEC 61508 Safety Case was prepared, using the exida SafetyCaseDB tool, and used as the

#### **Functional Safety Solutions for the Process Control Industry**

evaluation by Exida per IEC 61508 Parts 1 & 2 All 6 series are certified SIL 3 capable Individual pilot valves are most commonly used in 1-out-of-1 and 1-out-of-2 voting architectures but can be easily piped into a 2-out-of-2 configuration ASCO pilot valves are used as the primary device for process

#### **61508 SIL 3 CAPABLE - ICEweb**

creation of a detailed safety case against the requirements of IEC 61508 - exida reviewed and assessed detailed Failure Modes, Effects, and Diagnostic Analysis (FMEDA) of the devices to document the hardware architecture and failure behavior The functional safety assessment was performed to the requirements of IEC 61508, SIL All 3

#### **Selection of Components: IEC 61508 and IEC 61511**

Selection of Components: IEC 61508 and IEC 61511 Dr Jörg Isenberg, 06102015 Where to find "SIL"-Certificates Criteria for component evaluation & understanding certificates General suitability of component The 3 main requirements of IEC 61508 / IEC 61511 Additional criteria Conclusion

#### **61508 SIL 3 CAPABLE - mercon-gmbh.de**

IEC 61508-1, -2 and -3 requirements for SIL 3 and - the Eclipse Enhanced Model 705 3X Guided Radar Level Transmitter hardware analysis represented by the Failure Mode, Effects and Diagnostic Analysis with the relevant requirements of IEC 61508-2 The assessment has been carried out based on the quality procedures and scope definitions of exida

#### **IEC 61508 Assessment - Emerson Electric**

This means that the 2051 Pressure Transmitter with 4-20mA HART is capable for use in SIL 2 and SIL 3 applications in Low demand mode when properly designed into a Safety Instrumented Function per the requirements in the Safety Manual and when using the Rosemount contracted exida with the IEC 61508 Functional Safety Assessment of the above

#### **CERTIFICATE □□□ - ABB Ltd**

IEC 61508:2000 Parts 1 - 7, and meets requirements providing a level of integrity to Systematic Integrity : SIL 2 Capable Random Integrity : SIL 2 Capable Safety Function The Pressure Transmitter 2600T Model 261 will measure pressure within the stated safety accuracy and provide the measurement on a 420 mA current output Application Restrictions

#### **IEC 61508 Assessment - Siemens**

allowed range for SIL 2 (HFT = 0) according to table 3 of IEC 61508-1 The assessment of the FMEDA also shows that the SITRANS TH420/320; TR420/320 meets the requirements for architectural constraints of an element such that it can be used to implement a SIL 2 safety function (with HFT = 0) or a SIL 3 safety function (with HFT = 1)

#### **61508 SIL 3 CAPABLE - Spartan Controls**

61508 SIL 3 CAPABLE creation of a detailed safety case against the requirements of IEC 61508 - exida reviewed and assessed a detailed Failure

Modes, Effects, and Diagnostic Analysis requirements of SIL 2 for random integrity @ HFT=0, SIL 3 for random integrity @ HFT=1

**DET 11-02-049 C001 V1R1 IEC 61508 Assessment UD10**

DET 11-02-049 R004 V1R1 IEC 61508 Assessment UD10 DET 11-02-049 R002 V1 R2 Zertifikat / Evaluating Assessor Certifying Assessor Page 1 of 2

DET 1102049 C001 exida hereby confirms that the: Place embossed seal here for originals, lining it up at the bottom SIL 2 Capable ...

**61508 SIL 3 CAPABLE - DGFG**

through an audit against the requirements of IEC 61508 - exida-certification reviewed and assessed a detailed Failure Modes, Effects, and Diagnostic Analysis (FMEDA) of the device to document the hardware architecture and failure behavior The functional safety assessment was performed to the requirements of IEC 61508, SIL 3

**Certificate / Certificat Zertifikat - ASCO**

Certificate / Certificat / Zertifikat / Series 327/8327 Solenoid Valves Systematic Capability: SC 3 (SIL 3 Capable) Random Capability: Type A, Route 2 H Device PFH/PFD avg and Architecture Constraints must be verified for each application Page 2 of 2 80 N Main St Sellersville, PA 18960 T-061, V3R1 Systematic Capability:

**Certificate / Certificat Zertifikat**

Certificate / Certificat / Zertifikat / IEC 61508 Failure Rates in FIT\* Page 2 of 2 80 N Main St Sellersville, PA 18960 T-002, V5R1 \* FIT = 1 failure / 109 hours # Contact manufacturer for failure rates of different configuration options

**IEC 61508 Assessment**

management requirements of IEC 61508:2010 SIL3, SC 3 (SIL 3 Capable) The assessment of the FMEDA, done to the requirements of IEC 61508, has shown that the HiC2027 / KCD2-STC-(Ex)1\* can be used in a low / high demand safety related system in a exida Performed the IEC 61508 Functional Safety Assessment

**Certificate / Certificat Zertifikat - Adobe**

Certificate / Certificat Zertifikat / Evaluating Assessor Certifying Assessor Page 1 of 2 MSA 1202040 C001 exida hereby confirms that the: Place embossed seal here for originals, lining it