

Certificate of Assessment

Safe-E-Stop (generic system without defined application)

Manufacturer:	Cattron GmbH
Basis for Assessment:	Development of a safety related Radio Remote Emergency Stop System (E-Stop) for generic purposes without a defined application. The required safety integrity level is SIL 3 respectively a systematic capability of SC 3.
Safety functions:	<ul style="list-style-type: none">• E-Stop Function (SC 3)• COMM LOSS (SIL 3)
Criteria:	DIN EN 61508-1 (2010), DIN EN 61508-2 (2010), DIN EN 61508-3 (2010) and the relevant parts of ISO 13850 (2015), IEC 62061 (2005) and IEC 60204-1 (2006)
Objective:	Assessment on the hardware and software of the safety related parts of the E-Stop system. Assessment results are documented in following reports: System & Hardware: SEBH.20170321.081802-01 V1.0 Firmware / Software: SEBL.20170321.081802_800 V1.0
Result:	Based on the analyses documented in the reports the assessor confirms the safety related development of the E-Stop system. The system and the hardware acceptably fulfil the requirements of IEC 61508 part 1 and part 2 as well as the relevant parts of ISO 13850, IEC 62061 and IEC 60204-1 according to SIL 3 respectively to a safety capability of SC 3. The software acceptably fulfils the requirements of IEC 61508 part 3 according to SIL 3. Within the assessment there were no undocumented technical deficiencies found. Tests have shown the correct performance regarding the safety functions. As E-Stop is a generic system it has to be integrated into an application before use. The integration process requires that all safety tasks have to be reconsidered, rechecked, adjusted in terms of the application and redone if necessary to a sufficient extend. Those changes and adjustments for the integration into an application have to be documented and the existing documentation for E-Stop has to be adjusted accordingly.
Conditions:	The notes for applications and the notes for further development given and summarized in the System & Hardware report SEBH.20170321.081802-01 V1.0 have to be respected and followed. Furthermore the limitations of the inspection given in the referenced reports have to be respected.

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Inspection Body SEELAB



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