Release Notes

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IEC60730B S08 4.0

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1 Introduction

IEC60730B_S08_4_0 is the actual version of the core self-test library for NXP devices with the S08 core. The library is certified by VDE. It is dedicated for use in applications compliant with the Safety class B standard (specified by IEC 60730, IEC60335 and/or UL 60730, and UL 1998).

The library is released in a precompiled format, together with functional example projects and documentation describing the respective tests.

The library is created in close cooperation with the application team, who have vast experience in customer projects. We also take the feedback from our customers into consideration.

2 What is new

This version refers to the IEC60335B Safety Routines S08 v1.0 library and follows the structure and philosophy of the unified version 4.0 of new safety libraries.

When compared to the previous version, the main changes are:

- · New tests:
 - Clock
 - Digital I/O
 - Analog I/O
 - Stack
- · Changed the API of the test routines

2.1 Description

The supported devices are:

• S08PBxx

The supported/recommended IDEs:

Code Warrior 11.1

The tested components are:

- · CPU registers
- · Program counter
- · Variable memory (RAM)
- · Invariable memory (flash)
- Clock
- · Digital I/O



- Analog I/O
- Stack
- Watchdog

3 Optimizations, improvements and changes:

3.1 Documentation

The documents for all test routines are merged into one document.

3.2 Examples

The example projects are available only at nxp.com/iec60730 in the "Download" section

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