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## Functional safety package to achieve IEC/EN/UL/CSA 60730-1 and 60335-1 Class B certification of STM8-based applications

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Data brief

### Features

- Compatible with microcontrollers of the STM8AF, STM8AL, STM8L and STM8S Series
- Optimized code for direct register access
- Supports IAR™ and Cosmic compilers
- Certified by VDE Germany and UL® Italy

### Description

The worldwide harmonized IEC 60730-1 and IEC 60335-1 safety standards define the test and diagnostic methods to ensure the safe operation of embedded hardware and software for household appliances controlled by electronic programmable devices.

The STMicroelectronics STM8-SafeCLASSB functional safety package is dedicated to all products based on the robust STM8 proprietary core. It provides a comprehensive tool that significantly reduces the effort, time and costs needed to achieve Class B safety level certification, which is recognized by the above-mentioned standards for applications intended for the European, American and Asian markets.

The STM8-SafeCLASSB functional safety package consists of a set of certified STM8 core self-testing procedures, including examples of their integration in an application, and associated documentation.

For further details refer to the application note AN3181 “Guidelines for obtaining UL/CSA/IEC 60730-1/60335-1 Class B certification in any STM8 application”, available on [www.st.com](http://www.st.com).

## 1 Ordering information

STM8-SafeCLASSB is available for free download from the [www.st.com](http://www.st.com) website.

## 2 Revision history

Table 1. Document revision history

Date	Revision	Changes
29-Jan-2016	1	Initial release.
7-Mar-2018	2	Updated document title, <i>Features</i> and <i>Description</i> . Added <i>Ordering information</i> .

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