



# Annex to Marine Equipment Directive Module B Type Examination Certificate



Danmark

## 1 Equipment Description

Search and rescue locating devices (SRLD): 9 GHz SAR transponder (SART)

### 1.1 Models

Model
SafeSea S100

### 1.2 Product Components

Identity	Description
S100	SART Main Unit
LB3S	Battery Unit (Li/FeS2)

## 2 Assessed Requirements

### 2.1 Implementing Regulation (EU)2020/1170

### 2.2 Compliance Requirements for MED/4.18

IMO Resolutions	International Testing Standards	
IMO Res. A.694(17)	IEC 60945:2002 incl. IEC 60945 Corr. 1:2008	Maritime navigation and radiocommunication equipment and systems — General requirements
IMO Res. A.530(13) IMO Res. A.802(19) ITU-R M.628-5	IEC 61097-1 (2007)	Global maritime distress and safety system (GMDSS) — Part 1: Radar transponder — Marine search and rescue (SART)

## 3 Technical Documentation

### 3.1 Declaration of Conformity

S100 Declaration of Conformity Denmark Dated 2021-01-01

### 3.2 User Guide

912S-00678 S100 SART User Manual rev 01.10 Modified 2020-09-18

### 3.3 Test Reports

10/591 Issued 2010-09-23

### 3.4 Build Status

#### 3.4.1 Hardware

SART Circuit Diagram 910S-00156 Issue 01.00 Dated 2010-10-05  
 General Assembly 900S-00541 Issue 03.00 Dated 2012-01-06  
 PCB Assembly 800S-00156 Issue 02.00 Dated 2013-02-06

#### 3.4.2 Software

Firmware 500S-00740 Issue 01.00

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## 3.5 Notes

- Note 1 This approval remains valid for equipment including subsequent minor software amendments which have been formally accepted in accordance with the TÜV SÜD Testing and Certification Regulations.
- Note 2 In accordance with IEC 61097-1, Clause 6.7, it has been determined that the SafeSea S100 operates correctly when interrogated at a distance of up to at least 7.1 nautical miles by a navigation radar complying with IMO Resolution A.477(XII) and A.222(VII) with an antenna height of 15 meters.

## 4 Additional Information

The products listed on this certificate were originally assessed and certified by TÜV SÜD BABT UNLIMITED under Notified Body number 0168, Certificate number BABT-MED001067 Issue 02.

## 5 Conditions of Validity

This certificate ceases to be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with TÜV SÜD DANMARK ApS or a person appointed by TÜV SÜD DANMARK ApS to perform that role.

Should the specified regulations (internal conventions and the relevant resolutions and circulars of the IMO) or standards be amended and enforced through an Implementing Regulation during the validity of this certificate, the product(s) is/are to be reapproved prior to it/them being placed on the market or onboard vessels to which the amended regulations or standards apply.

The Mark of Conformity may only be affixed to the above type approved equipment and a manufacturer's Declaration of Conformity issued when the production-control phase module (D, E, or F) of Annex B of the directive is fully complied with and controlled by a written inspection agreement with a notified body.

Signature: M Hardy

Date: 15<sup>th</sup> January 2021

Print Name: MICHELLE HARDY

On behalf of TÜV SÜD DANMARK ApS