

# TYPE APPROVAL CERTIFICATE

Certificate no.:  
**TAE00002H0**  
Revision No:  
**4**

## This is to certify:

that the **Overcurrent- and Short-Circuit Relay**

with type designation(s)  
**TAxXXDU**

issued to

**ABB AG – STOTZ-KONTAKT**  
**Heidelberg, Germany**

is found to comply with

**DNV rules for classification – Ships, offshore units, and high speed and light craft**

## Application:

**Thermal overload relays. For installations inside switchboard/enclosures onboard ships and offshore units.**  
**Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.**

Issued at **Hamburg** on **2024-08-22**

This Certificate is valid until **2029-08-21**.

DNV local unit: **Augsburg**

Approval Engineer: **Ramy Abdelal**



for **DNV**

This document has been digitally signed and will therefore not have handwritten signature

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

## Product description

Type: Thermal overload relays TxxxDU/TAxxxDU:

Type designation:	Setting current
TA25DU	0,1 - 0,16 A to 24 - 32 A
TA42DU	18 - 25 A to 29 - 42 A
TA75DU	18 - 25 A to 60 - 80 A
TA80DU	29 - 80 A
TA110DU	65 - 110 A
TA200DU	100 - 200 A

with accessory: BA50, AB25/25A:

Max. insulation voltage $U_i$ :	690 V* / 1000 V
Max impulse voltage $U_{imp}$ :	6 kV* / 8 kV
Max. operating voltage $U_e$ :	690 V* AC and 1000 V
Body materials:	Phenolic/Polyamide
Contacts:	Silver alloy

\* See application / limitation

Can be used with contactors: A-series, B-series or independent mounting.

## Application/Limitation

Temp. class: C (-25 to 55 deg.C)  
 Humidity class: A (up to 96% humidity)  
 Vibration class: A (5-50 Hz)

For products with  $U_{imp} = 6$  kV the max. rated voltage is 600 V when used in a IT-grid (ship's mains). It can be used in applications with directly earthed systems with rated voltage of 400/690 V.

## Type Approval documentation

Test report: BBC, Canadian Standards Association, EIDG-Starkstrominspektorat and U.L. Brown Boveri publication NR. DNG 3089 84E.

Test Certificate Q3-C86.01 and BB Control SK 00-1 Utgåve 1  
 ABB Control, report no. 16998, witnessed by DNV  
 LONAG no. FR 94-086, FR 97-080, FR 97-019, and FR 97-021.  
 CB Test Certificate SE-30855M1 and SE 30856M1  
 Manufactures catalogue FRCTL 010797

Updated documentation for TAE00002H0 Rev.1:

IECEE CB Scheme test report ABB India CN53929; IECEE CB Scheme test report ABB India CN53928  
 Test report to CB scheme CN53929; Test report to CB scheme CN38984; Test report CB scheme CN53928; IECEE CB Scheme test report ABB Bulgaria CN38984

## Tests carried out

Type tests according to: IEC 60947-4-1.

Verification of Temp. limits, Insulation class, Making/Breaking capacity, Mechanical and Electrical Endurance.

## Marking of product

Product marking: ABB STOTZ - Type designation



Job ID: **262.1-005786-14**  
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### **Name and place of manufacturer**

ABB Bulgaria EOOD  
Varna Street 1  
2850 Petrich  
Bulgaria

ABB India Limited/No.88/3 & 88/4, Basavanahalli  
Kasaba Hobli, Nelamangala Taulk, Bangalore  
Rural -562 123. India

### **Periodical assessment**

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE