DNV·GL

Certificate No:
TAE00002H0

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Overcurrent- and Short-Circuit Relay

with type designation(s)
TAxxxDU

Issued to
ABB Stotz-Kontakt GmbH
HEIDELBERG, Germany

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft
IEC 60947-4-1

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 GL.

Issued at **Hamburg** on **2018-07-18**
This Certificate is valid until **2023-07-17**.
DNV GL local station: **Augsburg**

Approval Engineer: **Thomas Hartmann**

for **DNV GL**

Arne Schaarmann
Head of Section

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.

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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

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

Name and place of manufacturer

ABB Bulgaria EOOD
Varna Street 1
2850 Petrich
Bulgaria

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