

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

| | |
|----------------------------|---|
| Manufacturer | ABB Stotz-Kontakt GmbH |
| Address | Eppelheimer Str. 82, Heidelberg, 69123, Germany |
| Place of Production | ABB BULGARIA EOOD 1 Varna str., Petrich, 2850, Bulgaria |
| Type | Relays - Thermal & Magnetic With Oil Dash Pot |
| Description | Thermal overload relays |
| Trade Name | TA25DU, TA42DU, TA75DU, TA80DU, TA110DU, TA200DU, TA450DU + SU |
| Application | Marine, offshore and industrial applications for use in environmental categories ENV1 and ENV2 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 2002. |
| Specified Standard | EN 60947-4-1:2010 / A1:2012 |

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| Ratings | Types | Voltage | Setting Range |
|---------|-------------|---------|---------------|
| | TA25DU | 690 V | 0.16 – 32A |
| | TA42DU | 690 V | 18 – 42A |
| | TA75DU | 690 V | 18 – 80A |
| | TA80DU | 690 V | 29 – 80A |
| | TA110DU | 690 V | 65 – 110A |
| | TA200DU | 690 V | 130 – 400A |
| | TA450DU+ SU | 690 V | 130 – 400A |

Additional Tests Low temperature test (-25°C)

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. HTS/ETS 40313-20/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.