Certificate No: LR2658448TA
Issue Date: 23/04/2026
Expiry Date: 14/03/2030

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 AG – STOTZ-KONTAKT**

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 TF140DU-90, TF140DU-110, TF140DU-135, TF140DU-142, TF140DU-90-V1000, TF140DU-110-V1000, TF140DU-135-V1000, TF140DU-142-V1000

Application Marine applications for use in environmental categories ENV1, ENV2 and ENV3 as defined in Lloyd's Register's Type Approval System, Test Specification Number 1 – 2013.

Specified Standard EN 60947-1:2007/A1:2011/A2:2014
EN 60947-4-1:2019/AC:2020-05
EN 60947-5-1:2017/AC:2020-05

Ratings

Type	Voltage [V]	Setting Range [A]
TF140DU-90	690	66…90
TF140DU-110	690	80…110
TF140DU-135	690	100…135

Downloaded Copy

Thorsten Wolff

Electrical & Control - Senior Specialist to
Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Certificate No: LR2658448TA
Issue Date: 23/04/2026
Expiry Date: 14/03/2030

Type Approval Certificate

TF140DU-142	690	110…142
TF140DU-90-V1000	690	66…90
TF140DU-110-V1000	690	80…110
TF140DU-135-V1000	690	100…135
TF140DU-142-V1000	690	110…142

Other Conditions Ratings for application of thermal overload relay type TF140-…-V1000 in hazardous areas are to be obtained from the applicable Ex Certificate.

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.

Previous Version: LR2011163TA

The Design Appraisal Document TSO-25-047556/TW and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Downloaded Copy

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.