CERTIFICATE NUMBER
16-HG1534587-PDA

DATE
06 Jul 2016

ABS TECHNICAL OFFICE
Hamburg Engineering Department

CERTIFICATE OF
DESIGN ASSESSMENT

This is to certify that a representative of this Bureau did, at the request of

ABB STOTZ KONTAKT GMBH

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: **Relay, Overload**

Model: **T16, TF42**

This Product Design Assessment (PDA) Certificate 16-HG1534587-PDA, dated 06/Jul/2016 remains valid until 05/Jul/2021 or until the Rules or specifications used in the assessment are revised (whichever occurs first).

This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.

Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.

Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.

AMERICAN BUREAU OF SHIPPING

Dagmar Gramatzki

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Engineer/Consultant

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Tier: 2 - PDA Issued

Product: **Relay, Overload**
Model: **T16, TF42**
Intended Service:
Three phase electric motor overload protection.

Description:
Thermal overload relays with auxiliary contacts.

Rating:
Rated operational voltage Ue: 690 V.
Rated impulse withstand voltage Uimp: 6 kV.
Degree of protection: IP20.
T16 setting ranges: 0.1 A to 16 A.
TF42 setting ranges: 0.1 to 40 A.

Service Restriction:
Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

Comments:
The manufacturer has provided a declaration about the control of, or the lack of asbestos in this product.

Notes/Drawing/Documentation:
Document No. 1, BMP2009Testspec, Revision: 1.4, Pages:19x.
Document No. 2, Operating instuction T16, Revision: -, Pages: 2.
Document No. 3, Operating instuction T16, Revision: -, Pages: 2.
Document No. 4, Tech_Datasheet_T16, Revision: -, Pages: 8.
Document No. 5, Tech_Datasheet_TF42, Revision: -, Pages: 8.
Document No. 6, ABB ISO Certificate, Revision: -, Pages: 2.
Document No. 7, CB_Certificate_T16 of 7 Sep 2010, Revision: -, Pages: 3.
Document No. 8, CB_Certificate_TF42_TA40 of 7 Sep 2010, Revision: -, Pages: 3.
Document No. 9, CE_T16_1SAD938506-0182, Revision: -, Pages: 1.
Document No. 10, CE_TF42_1SAD938507-0181, Revision: -, Pages: 1.
Document No. 11, cUL_Certificate_T16_TF42_TA40, Revision: -, Pages: 2.
Document No. 12, UL_Certificate_T16_TF42_TA40, Revision: -, Pages: 2.
Document No. 13, Testreport 09-2475A Paconsult of 3 Jul 2009, Revision: -, Pages: 28.
Document No. 14, Testreport Dielectric ABB of 28 Jul 2009, Revision: -, Pages: 1.
Document No. 15, Testreport Thermal Tripping ABB of 4 Aug 2009, Revision: -, Pages: 1.
Document No. 16, CB_Testreport_58293101_T16 of 6 Jul 2010, Revision: -, Pages: 151.
Document No. 17, CB_Testreport_TF42_TA40_58293102 of 6 Jul 2010, Revision: -, Pages: 151.
Document No. 18, CB_Testreport_TX_HK_58293103 of 6 Jul 2010, Revision: -, Pages: 98.
Document No. 19, Explo_T16, Revision: -, Pages: 4.
Document No. 21, Explo_TF42, Revision: -, Pages: 4.
Document No. 22, Explo_TX-HK, Revision: -, Pages: 5.
Document No. 23, Designdraw_T16_1SAZ711201-01-F, Revision: F 1, Pages: 1.
Document No. 25, Designdraw_TF42_1SAZ721201-01-E, Revision: E 1, Pages: 1.

Terms of Validity:
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STANDARDS

ABS Rules:
2016 Steel Vessel Rules 1-1-4/7.7, 1-1-Appdx 3 and 4, 4-8-3/1.7/1.11.1/1.17/5.3.3, 4-9-7/13.1.

National:
NA

International:
IEC 60947-1:2007 / A1:2011 / A2: 2014.
IEC 60947-4-1:2010 / A1: 2012.
IEC 60947-5-1:2004 / A1:2009.

Government:
NA

EUMED:
NA

OTHERS:
NA