



CERTIFICATE NUMBER

05HG481273-PDA

DATE

26 January 2005

ABS TECHNICAL OFFICE

Hamburg Engineering Services

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. It will remain valid for five years from the date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

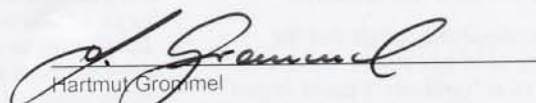
PRODUCT: Programmable Logic Controller

MODEL: Advant Controller 31 (07KT98)

ABS RULE: 2005 Steel Vessel Rules 1-1-4/3.7, 4-9-1/9.1/9.3; 4-9-6/3/7.1/7.3/7.9; 4-9-7/3/7/13

OTHER STANDARD: N.A.;

AMERICAN BUREAU OF SHIPPING


Hartmut Grommel
Engineering Type Approval Co-ordinator