



Confirmation of Product Type Approval

Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product. This certificate reflects the information on the product in the ABS Records as of the date and time the certificate is printed.

Pursuant to the Rules of the American Bureau of Shipping (ABS), the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) with expiration date of 23-AUG-2020. The continued validity of the Manufacturing Assessment is dependent on completion of satisfactory audits as required by the ABS Rules.

And, a Product Design Assessment (PDA) valid until subject to continued compliance with the Rules or standards used in the evaluation of the product.

The above entitle the product to be called Product Type Approved.

The Product Design Assessment is valid for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used for this evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Product Name: Alarm and Monitoring System
Model Name(s): TEKMATIION - AMS-1024 and AMS-0500

Presented to:

TEKSEA SISTEMAS DE ENERGIA LTDA-ME
RUA D.R. ARTHUR BALSINI, N 51, BAIRRO VELHA CEP 89036-240
SANTA CATARINA
Brazil

Intended Service:	Alarm and Monitoring System for Vessels with + ACCU or + ABCU class notation.
Description:	The Alarm, Monitoring and Control System TEKMATIION comprises: AMS-0500 Central Unit, AMS-1024 Data Station for alarm, monitoring and control for analogue and binary sensors. Programming is from front keyboard on the AMS-0500.
Tier:	5
Ratings:	Power Supply: 24 VDC (18 ~ 36 VDC). Additional functionality listed as per manufacturer's data sheet attached.
Service Restrictions:	Unit Certification is required for this product in accordance with 4-9-8/13.3 of the Steel Vessel Rules. The following requirements are applicable to computer-based system in accordance with 4-9-3 of the Steel Vessel Rules: a) The computer-based system for the subjects system is assigned to Category II; b) Evidence of the documentation required on 4-9-3/Tables 2 and 3 of the Steel Vessel Rules is to be kept by the manufacturer and subject to be submitted for review.
Comments:	The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product. Each particular application or configuration and external connection is to be specifically approved.
Notes / Documentation:	Drawing No. DE-0107-0001-01, Design and Installation of Interconnection, Revision: 1 Drawing WD No. Installation and Operation Manual - AMS-1024 & AMS-0500, Revision: - Drawing No. IT2953982 - Test Certification of Alarm and