



Marine & Offshore
Division

Certificate number: 09169/D0 BV

File number: AP 3250

Product code: 4161D

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

A.M.I. Automatisme Micro Informatique Industriels
Saint Marcel - FRANCE

for the type of product

MISCELLANEOUS SWITCHBOARD INSTRUMENTS

Series J2005: J1805, J2005, J2405

Series B1200: B0400, B1200

Series PAN35, PAN45: PAN35, PAN45, PAN35BV, PAN45BV, PAN35SH & PAN45SH.

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships.

This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 30 Sep 2021

For BUREAU VERITAS,

At BV SAINT QUENTIN-EN-YVELINES, on 30 Sep 2016,

Antoine PERRIN



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine & Offshore Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarp.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=jt3305k4nh>

BV Mod. Ad.E 530 October 2014

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

- Product model or type designation :
Series J2005, series B1200 & series PAN35, PAN45
- Product description:
Display panel series J2005 includes, J1805 (8 channels), J2005 (12 channels), J2405 (24 channels),
Remote control panel type series B1200 includes B1200 (12bts) & B0400 (24bts),
Display panel series PAN35, PAN45 includes PAN35, PAN45, PAN35BV, PAN45BV, PAN35SH & PAN45SH.

2. DOCUMENTS AND DRAWINGS:

- Technical documentation B 1200-xx-xx version N°: 04
- Notice N° 0003-9912 dated 01.12.1999
- Notice N° J2000-1002 dated 01.05.1997
- Technical documentation J2000-xx-xx, version N° J2000 VER.05.
- A.M.I Product Catalogue - 2012 No. FR003-24-02-2012

For modification D0 version:

A.M.I.:

- A.M.I Product Catalogue - 2016 No. GAMPAN35PAN45_FR010_09-06-2016

3. TEST REPORTS:

CNPP :

- Test report No. RD 99.00.19.
- Test report No. RD 99.00.18.
- EMC Test Report - PAN35/PAN45 No. LE 13 00 30, dated 01/08/2013.
- EMC Test Report - PAN35BV No. LE 13 00 31, dated 01/08/2013.
- EMC Test Report - PAN35SH No. LE 13 00 29, dated 01/08/2013.
- EMC Test Report - PAN35/PAN45 No. LE 13 00 53, dated 02/08/2013.
- EMC Test Report - PAN35SH No. LE 13 00 54, dated 12/07/2013.

Haztec :

- Test report N° RP 99235-2 dated 07.01.2000.

4. APPLICATION / LIMITATION:

- 4.1 - BUREAU VERITAS Rules and Regulations for the Classification of Steel Ships.
- 4.2 - Approval also valid for ships to be granted with the notations: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.**
- 4.3 - Not to be used as a sub-alarm system.
- 4.4 - Where an automation notation is expected: each application is to be submitted to the Society's approval.

5. PRODUCTION SURVEY REQUIREMENTS:

- 5.1 - The above products are to be supplied by **A.M.I. Automatisme Micro Informatique Industriels** in accordance with the type described in this certificate.
- 5.2 - This type of product is within the category DBV of Bureau Veritas Rule Note NR320.

6. MARKING OF PRODUCT:

- Maker's name or trademark.
- Serial number of the units.
- Equipment type or model identification under which it was type-tested.

7. OTHERS:

- 7.1 - It is **A.M.I. Automatisme Micro Informatique Industriels - FRANCE's** responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.
- 7.2 - This Certificate supersedes the Type Approval Certificate No. 09169/C1 BV issued on 5 Sep 2013 by the Society.

*** END OF CERTIFICATE ***