



Marine & Offshore
Division

Certificate number: 09571/D0 BV

File number: AP 3277

Product code: 3891H

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

Schneider Electric Industries SAS

Angouleme - FRANCE

for the type of product

PRESSURE TRANSMITTERS / TRANSDUCERS

Type: XML-A & -B.

Requirements:

BV Rules for the Classification of Steel Ships.
IEC 60947-5-1 (2009).

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: 08 Nov 2021

For BUREAU VERITAS,

At BV BORDEAUX, on 08 Nov 2016,

Frédéric PALLARD



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=wq8iq0csdo>

BV Mod. Ad.E 530 October 2014

This certificate consists of 2 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

Pressure Switches **Type: XML -A & -B** followed by M01, M02, M05, 002, 004, 010, 020, 040, 070, 160, 300, or 500.

Analogue Output: 4...20 mA (2 conductors)
Switching Outputs: 2 relay contacts
Pressure Ranges: 1 bar, 1 bar, 2.5 bar, 4 bar, 5 bar, 10 bar, 20 bar, 35 bar, 70 bar, 160 bar, 300 bar, 500 bar.
Degree of Protection: IP65

2. DOCUMENTS AND DRAWINGS:

According to Manufacturer's catalogue dated 1997 and documents filed in AP 3277.

3. TEST REPORTS:

3.1 - Certificates of conformity N°s: 098-99, 099-99, 100-99, 101-99, 102-99, issued by ASEFA on 05/11/99.
3.2 - Test report N°: 11354 issued by SERCOVAM on 01/04/99.
3.3 - Test reports referenced NH3 - 1529824 dated Jul. 24 1996 & NH3 - 1529825 dated Oct. 4/1996 carried out in manufacturer's in house Laboratory.

4. APPLICATION / LIMITATION:

4.1 - According to Bureau Veritas Rules for the Classification of Steel Ships and IEC 60947-5-1(2009).
4.2 - Approval valid for ships intended to be granted with the following additional class notations: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.**
4.3 - Approval also valid for ships having to comply with SOLAS 74 Convention, as amended, and for units having to comply with IMO Resolution A649 (The "MODU Code").

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The **XML series** are to be supplied by **Schneider Electric Industries SAS** in compliance with the type described in this certificate.
5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.
5.3 - **Schneider Electric Industries SAS** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.
5.4 - **Schneider Electric Industries SAS** has declared to Bureau Veritas the following production site(s):

Schneider Electric Industries S.A.
Cizovska 447
397 12 Pisek
CZECH REPUBLIC

6. MARKING OF PRODUCT:

6.1 - Trade name.
6.2 - Date of manufacture and serial number.
6.3 - Equipment type or model identification under which it was type-tested

7. OTHERS:

7.1 - It is **Schneider Electric Industries SAS** 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 N° 09571/C0 BV issued on 05.Jul.2011 by the Society.

*** END OF CERTIFICATE ***