



Marine & Offshore
Division

Certificate number: 03914/G0 BV

File number: AP 0393

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

REGULATEURS GEORGIN
CHATILLON CEDEX - FRANCE

for the type of product

PRESSURE TRANSMITTERS / TRANSDUCERS

PRESSURE SWITCHES M - DM - MAB - DMAB - MJB - DMJB - PA - PL - P - DPB - PH - DPH.

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: 05 Dec 2019

For BUREAU VERITAS,

At BV SAINT-OUEN L'AUMONE, on 05 Dec 2014,

Patrice DAVID



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.veristarnb.com/veristarnb/jsp/viewPublicPdfTypepec.jsp?id=jsb00evzpb>

BV Mod. Ad.E 530 October 2014

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

"PRESSURE SWITCHES "

Series:

- a) M - DM - MAB - DMAB - MJB - DMJB - PA - PL
- b) P - DPB - PH - DPH

2. DOCUMENTS AND DRAWINGS :

As per document filed in AP 0393 in accordance with the Manufacturer's product specification and drawing.

3. TEST REPORTS :

Test reports N° 187 185 A-B, N° 175 182, N° 176 400 issued by the L.C.I.E.

4. APPLICATION / LIMITATION :

4.1 - BV Rules for the Classification of Steel Ships.

4.2 - According to pamphlet TP 10 (6-86), fitted with "on" "off" switches: 6-34-54-18-20-96-106 (excluding mercury contact types) or with pneumatic valves YT1, YT3, YA1, YA3 (pamphlet TP11 1.85).

4.3 - Following accessories can be used optionally: reinforced mounting plate, electrical connections "ENTRELEC", ball bearing mounted beam, adjustment by knurled knobs, locking device for setting screws.

- 1. The standard cases are to be fitted with metal stuffing boxes with cable stop device.
- 2. Pressure switches mentioned on a) are not to be used on fluids at a temperature higher than 100°C (212°F).

4.4 - Approval also valid for ships to be granted with the notations: **AUT-UMS, AUT-CCS, AUT-PORT and AUT-IMS.**

4.5 - The equipment, once installed on board ship, is to be tested in accordance with the above referred Regulations under the supervision of a Society's Surveyor.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The above products are to be supplied by **REGULATEURS GEORGIN** in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320.

5.3 - **REGULATEURS GEORGIN** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products:

**REGULATEURS GEORGIN
14/16 RUE PIERRE SEMARD
BP 107
92323 CHATILLON CEDEX
FRANCE**

5.4 - Each equipment is to be supplied with manual (s) for installation, use and maintenance.

6. MARKING OF PRODUCT :

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

7. OTHERS :

7.1 - This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the units at any time and that **REGULATEURS GEORGIN, Châtillon - France** will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the units and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate N° 03914/F0 BV issued on 18/03/2009 by the Society.

***** END OF CERTIFICATE *****