



Marine & Offshore

Certificate number: 03555/10 BV

File number: AP0568

Product code: 3843H

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

TRAFAG AG

Bubikon - SWITZERLAND

for the type of product

PRESSURE SWITCH

PRESSOSTAT

Types: P/PS 900/904/912, PV/PVF 903/907/915/940/941/942, PK 944/947, PD 920/924

Requirements:

Bureau Veritas Rules for the Classification of Steel Ships

This certificate is issued to attest that Bureau Veritas Marine & Offshore 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: 24 Feb 2025

For Bureau Veritas Marine & Offshore,

At BV HAMBURG, on 24 Feb 2020,

Dirk Hoepfner



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 Marine & Offshore. 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 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 Marine & Offshore 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.

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BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION:

PRESSOSTAT P/PS 900/904/912, PV/PVF 903/907/915/940/941/942, PK 944/947, PD 920/924 are pressure switches with fixed and adjustable switching differential.

1.1 - Main characteristics:

	P/PS 900/904/912	PV/PVF 903/907/ 915/940/941/942	PK 944/947	PD 920/924
Range: [bar]	-0.9...1.5 to 10...100	-0.9 ... 1.5 to 4 ... 40	1 ... 10 to 60 ... 600	-1 ... 6 to -1 ... 18
Output:	floating changeover contact	floating changeover contact	floating changeover contact	floating changeover contact
Degree of protection:	IP65	IP65	IP65	IP65
Pressure Connection:	G1/4", G1/2"	G1/4", G1/2"	G1/4", G1/2"	G1/8", G1/4", G1/2"
Sensor:	bellows	bellows	piston	bellows
Switching diff.	fixed	adjustable	fixed	fixed

1.2 - Order code: aaa.bb.cc.ddd.ee.ff

aaa = Sensor type:	900; 904; 912	903; 907; 915; 940; 941; 942	944; 947	920; 924
bb = Microswitch:	10; 11; 21; 23; 26	11; 12; 23	10; 11; 21; 23; 26	10; 11; 21; 23; 26
cc = Range:	72; 73; 75; 76; 77; 78; 79; 80; 81; 82; 83	72; 73; 75 to 81; G6; G8; G9; H1	78; 81; 82; 83; 84; 85; 86; 87	74; 76; 77; 78; 79
ddd = Sensor:	800 to 809; 840; 841; 900 to 909; 940; 941; 950 to 959	800 to 809; 840; 841; 900 to 909; 940; 941; 950 to 959; G6.I03; G8.I05; G9.I05; H1.I07	700 to 715; 722 to 725	830 to 838; 930 to 938; 980 to 988
ee = Fixing:	00; 31	00; 31	00; 31	00; 31
ff = Accessories:	07; 16; 27; 28; 33; 40	07; 16; 27; 40	07; 16; 27; 40	07; 16; 27; 40; A5; A6; B5; B6; D5; D6

2. DOCUMENTS AND DRAWINGS:

Datasheet: H72252t dated 05/2019; H72253q dated 02/2017; H72257r dated 12/2018; H72259s dated 05/2019

Drawings: D93302 Rev. b dated 31.08.2012

Note: Documents filed in AP0568.

3. TEST REPORTS:

- Electrosuisse: 12-IK-0373.01 dated 2012-08-17

Note: Documents filed in AP0568.

4. APPLICATION/LIMITATION:

4.1 - Bureau Veritas Rules and Regulations for the Classification of Steel Ships

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

5. PRODUCTION SURVEY REQUIREMENTS:

5.1 - The above mentioned products are to be supplied by **TRAFAG AG** 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 - **TRAFAG AG** has to make the necessary arrangements to have its works recognized by Bureau Veritas in compliance with the requirements of NR320 for HBV products:

TRAFAG spol. s.r.o.
Vilemovska 2129
34701 Tachov
CZECH REPUBLIC

6. MARKING OF PRODUCT:

- Maker's name or trademark
- Equipment type or model identification
- Date of manufacture and/or serial number

7. OTHERS:

7.1 - It is the responsibility of **TRAFAG AG** 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° 03555/H0 BV issued on 23 Mar 2015 by the Society.

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