



Marine &amp; Offshore

Certificate number: 61810/A0 BV

File number: AP4928

Product code: 3947H

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

**SAMSON AG**

Frankfurt am Main - GERMANY

for the type of product

**LIMIT/POSITION/PROXIMITY SENSORS**

Limit Switch

4747

**Requirements:**

Bureau Veritas Rules for the Classification of Steel Ships

EC Code: 43S, (EMC: N/A)

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: 09 Nov 2025****For Bureau Veritas Marine & Offshore,**

At BV HAMBURG, on 09 Nov 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](http://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.

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

BV Mod. Ad.E 530 June 2017

This certificate consists of 2 page(s)

## **THE SCHEDULE OF APPROVAL**

### **1. PRODUCT DESCRIPTION:**

The **4747** limit switch with inductive or electric limit contacts issue an electric signal when a valve travel exceeds or fall below an adjusted limit.

#### **Main Characteristics:**

Switching element:	Inductive: NAMUR NC, 1 or 2 contacts Electric: Changeover contact, 2 contacts
Switching angle:	< 100° adjustable
Electrical connection:	M20x1.5 or ½ NPT
Housing material:	Aluminium, Stainless steel
Degree of protection:	IP66

### **2. DOCUMENTS AND DRAWINGS:**

- T 4747 EN dated July 2017; EB 4747 EN dated January 2019
- PTB 12 ATEX 2020 dated Apr 26, 2013; KIWA 16ATEX0052 X, issue: 1 dated 18 Oct 2018

### **3. TEST REPORTS:**

- Phoenix Testlab: U190720E1 dated 08.04.2020

### **4. APPLICATION/LIMITATION:**

- 4.1 - Bureau Veritas Rules 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 - Bureau Veritas Environmental Category: **EC Code: 43S**, (EMC: N/A)
- 4.4 - Only Hardware tested in compliance with the regulations as referred to in page one, according to the declaration of the manufacturer is covered by this certificate.
- 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.
- 4.6 - Ex-certification is not covered by this certificate. Applications in hazardous areas are to be approved in each case according to the Rules and Conditions for Safe Use specified in a valid Ex-Certificate issued by a Notified or Recognised Certification Body.

### **5. PRODUCTION SURVEY REQUIREMENTS:**

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

**SAMSON AG**  
**Weismüllerstraße 3**  
**60314 Frankfurt**  
**GERMANY**

### **6. MARKING OF PRODUCT:**

- Maker's name or trademark
- Equipment type or model identification
- Date of manufacture and/or serial number
- Ex marking, as relevant

### **7. OTHERS:**

It is the responsibility of **SAMSON 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.

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