



中國驗船中心
CR Classification Society

Certificate No. 869-23-017

Date April 20, 2023

型式認可證書
TYPE APPROVAL CERTIFICATE

This is to certify that the undernoted product(s) has/have been approved by CR Classification Society in accordance with the requirements given in *Rules for the Construction and Classification of Steel Ships, 2023, and IACS UR M67 (Rev.2)* as an approved type for use in ships classed or intended to be classed with the Society.

Manufacturer : Schaller Automation Industrielle
Automationstechnik GmbH & Co. KG

Approved Product(s) : Oil Mist Detectors

Type : VISATRON Type VN 115/87 Plus
VISATRON Type VN 116/87 Plus
VISATRON Type VN 215/87 Plus
VISATRON Type VN 115/87 Plus EX

This certificate is valid until June 24, 2028

CHIEN-HUA HUANG

中國驗船中心 總驗船師

Chief Surveyor

CR Classification Society

This certificate evidences that the type of the products of the Manufacturer has been assessed to be in compliance with the specified CR Rules or Guidelines and to be capable of providing the listed products. This Certificate may be canceled by CR Classification Society if the applicant makes any changes or modifications relevant to the approval, which have not been notified to, and agreed in writing with the Society. Any person not a party to the contract pursuant to which this document is delivered may not assert a claim against CR Classification Society for any liability arising out of errors or omissions which may be contained in said documents, or for errors of judgment, fault or negligence committed by personnel of the Society.

Please refer to the CR website for the latest status of this approval: www.crclass.org/aw0/aw0.htm

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Name of Manufacturer:

Schaller Automation Industrielle Automationstechnik GmbH & Co. KG

Address of Manufacturer:

Industriering 14, D-66440 Blieskastel, Germany

Product Specification:

VISATRON 87 plus series for Diesel Engines

VN115 : Basic system. Without localization of the point of damage

VN116 : Medium sensitive system. Display of crankcase compartment half with the overheating damage.

VN215 : High sensitive system. With display of the compartment with the overheating damage.

Operation Voltage : 24 V ± 25% DC

Operation Current : Maximum 3 A

Degree of Protection : IP54

Admissible Operation Temperature : 0 ~ 70 °C

Ex(2G) [Ex op is IIB T4 Gb] 5 °C ≤ Ta ≤ 70 °C especially for VN115/87 plus EX

Related Documents & Remarks:

1. Operation Manual, Part-No.180062, Version 2.5, 08/2017 for VN115/87 plus, 116/87 plus, 215/87 plus, and Part-No.180081, Version 1.4, 02/2017 for VN115/87 plus EX.
2. Test report of the Oil mist sensor system VN115/87 plus on March 22, 2017, and VN87 plus/VN87 plus EX on October 01, 2016 in accordance with the rules of the Classification Society and IACS UR M67 Rev. 2.
3. EMC Test report of oil mist detector VN87 plus on December 06, 2019.
4. DNV-GL Type Approval Certificate No. TAA00001RJ, Rev. 2, valid until June 10, 2025.
5. RINA Type Approval Certificate No. ELE077223XG, valid until March 30, 2028.
6. KR Type Approval Certificate No. HMB02586-OD003, valid until April 01, 2028.
7. CCS Type Approval Certificate No. HB21PTB00009_02, valid until March 10, 2025.
8. EC-TYPE Examination Documentation. Cert. No.: IBExU14ATEX1153, Oil Mist Detector VISATRON 87 plus EX issued on January 19, 2015.

(See next page for further details regarding the approval.)

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Periodical assessment:

The intermediate audit is to be carried out within 3 months before or after the second anniversary date or within 3 months before or after the third anniversary date of the certificate. The intermediate audit will include, but not be limited to, confirmation of operation of the manufacturer's quality system, compliance of production procedures with the technical documents accepted at the time of type approval, purchase control of raw materials, components and parts, use of survey marks and approved product logos, languages required to be used in nameplates and operation instructions, product quality feedback. In case where the intermediate audit items mentioned above are not practical, considerations will be given by the Society on a case-by-case basis.

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