



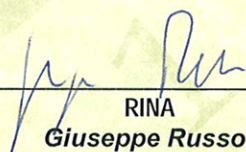
TYPE APPROVAL CERTIFICATE
No. ELE061213XG

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Oil mist detector for Diesel engine crankcase
<i>Type</i>	VN 115/87 Plus; VN 116/87 Plus; VN 215/87 Plus
<i>Applicant</i>	SCHALLER AUTOMATION INDUSTRIELLE AUTOMATIONSTECHNIK GMBH & CO. KG Industriering 14 D_66440 Blieskastel GERMANY
<i>Manufacturer</i> <i>Place of manufacture</i>	SCHALLER AUTOMATION INDUSTRIELLE AUTOMATIONSTECHNIK GMBH & CO. KG Industriering 14 D_66440 Blieskastel GERMANY
<i>Reference standards</i>	RINA Rules for classification of ships, Part C, Machinery systems and fire protection, Ch.3, Sect.6, table 1; IACS UR M67

Issued in **HAMBURG** on **May 16, 2013**. *This Certificate is valid until* **May 15, 2018**




RINA
Giuseppe Russo

This certificate consists of this page and 1 enclosure

TYPE APPROVAL CERTIFICATE

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VN 115/87 Plus

VN 116/87 Plus

VN 215/87 Plus

VISATRON Oil Mist detector type VN 115/87 Plus:

Is able to detect oil mist and release an alarm, without identifying the location of the oil mist source, in the engine crankcase.

VISATRON Oil Mist detector type VN 116/87 Plus:

Is able detect oil mist and release an alarm, indicating the left or right side location of the oil mist source in the engine crankcase.

VISATRON Oil Mist detector type VN 215/87 Plus:

Is able detect oil mist and release an alarm, indicating the compartment with the highest oil mist source in the engine crankcase.

Software ver. 5.0x

Supply voltage: 24Vdc

VN 87 Plus includes 4-20 mA output

Contact output: n° 1 Pre-alarm, n° 1 Main alarm

Connection to monitoring device by RS485 two wire bus

Reference document:

Operation Manual VISATRON series VN87 plus (Ver. 1.5 -04/2008)

Test Reports:

DMT report n°13412-94-016 (13/04/94)

CETECOM report n° 022a/94 (26/04/94)

CETECOM ICT Service GmbH report n° 4-2018-1-2/06 (05/18/2006)

GSSO report for compliance to IACS UR M67, ref. 07-008268 (22/02/2007)

CETECOM ICT Service GmbH report n° 4-2912-01-01/07 (28/01/2008)

HAMBURG May 16, 2013

