



TYPE APPROVAL CERTIFICATE
No. ELE195819XG

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>	VISATRON VN2020 (EX)
<i>Applicant</i>	SCHALLER AUTOMATION INDUSTRIELLE AUTOMATIONSTECHNIK GMBH & CO. KG Industriering 14 D 66440 Blieskastel GERMANY
<i>Manufacturer</i>	SCHALLER AUTOMATION INDUSTRIELLE
<i>Place of manufacture</i>	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 **June 25, 2019**. *This Certificate is valid until* **June 24, 2024**

RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure



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VISATRON VN2020 (EX)

Product description:

VISATRON Oil Mist detector type VN2020 (EX) monitors oil mist concentration in crankcases of diesel/combustion engines and alerting of high concentration.

Technical Data:

Air pressure reducer inlet:	2 - 14 bar
Air consumption:	approx. 1200l/h
Power supply:	24V DC, max. 2A
Outputs:	Relais: 2x Alarm; 1x Ready; 1x Pre-Alarm (max. 60 Volts DC/AC, 1A)
Communication:	3 wire RS485, galvanic isolated (CAN-open, galvanic isolated)

Environmental conditions:

Operating temperature:	5°C - 70°C
Max. vibrations:	± 1,6mm (5-25 Hz), 4 g (25-100Hz)
Relative humidity:	up to 95%
Protection class:	IP54

Marking for EX Protection:  II (2G) [Ex op is IIB T4 Gb]

Documents:

- Operation Manual VISATRON VN2020 / VN2020 EX, dated 01/2019; Electrical diagrams, Schaller Automation
- IBExU Institut fuer Sicherheitstechnik, Certificate No.: IBExU19ATEX1048

Test Reports:

CTC: 1-7830/19-01-05; 1-7830/19-01-04;
Schaller: - IACS UR-M67 Rev. 2 dated 23 May 2019

Remarks:

- The products fulfill EC-Code: EC33.

HAMBURG June 25, 2019

