

Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

Manufacturer	Schaller Automation Industrielle		
Address	Automationstechnik GmbH & Co. KG, Industriering 14, Blieskastel, 66440, Germany		
Type	Oil Mist Detectors		
Description	VN 115/87plus VN 116/87plus VN 215/87plus VN115/87 plus EX	II (2G) [Ex op is IIB T4 Gb]	
	Software Version V5.xx	(.xx for minor changes)	
Trade Name	VISATRON® 87 plus series		
Application	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2, ENV3 and ENV4 as defined in Lloyd's Register Type Approval System, Test Specification Number 1 – 2014. Application is only use for "General Power Distribution Zones".		
Specified Standard	Manufacturer's specification IACS UR M67 2005 / Rev. 2 on February 2015		
Other Conditions	The suitability of the installation of the Oil Mist Detector is to be demonstrated for each type of engine. VN115/87 plus EX is suitable for use in ATEX Zone1 and Zone2.		



Thomas Milow

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This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The Design Appraisal Document No. HTS/ETS 39364-20 and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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LLOYD'S REGISTER TYPE APPROVAL – DESIGN APPRAISAL DOCUMENT
ISSUED BY: HAMBURG TECHNICAL SUPPORT OFFICE (HPC1462129)
ISSUED TO: SCHALLER AUTOMATION INDUSTRIELLE AUTOMATIONSTECHNIK GMBH & CO. KG
FOR: OIL MIST DETECTORS FOR COMBUSTION ENGINES
TYPE : VN 115/87PLUS, VN 116/93PLUS, VN 215/93PLUS AND VN 115/87PLUS EX

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register Type Approval System Procedure TA14 Version 03 (July 2017) and this Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Form 2571		Approval Services Request for Quotation	17.06.2015
Form 2502		Request for Marine Services	15.07.2015
HPC1962091/ 38574 /TM		Production Quality Assessment Form	07.08.2019
160041-2014-AQ-GERDAkS		ISO 9001:2015 Certificate	14.08.2017
Unnumbered	V1.1	Operation Manual VN115/87plus EX	09/2015
Unnumbered	V1.2	Ex-Schutzbeschreibung VN115/87plus EX	05/2014
1000123		Drawing	12.05.2014
1000123_02 V2a		Stückliste (Sendeplatine VN87plus EX)	21.08.2014
FB_8.2_27_V02		Firmware VN87plusEX version	18.09.2012
VA_7.3_04_V03		Verfahrensanweisung (QM for Software development)	06.05.2013
IBExU14ATEX1153		EG-Baumusterprüfbescheinigung	05.08.2014
Unnumbered	V2.5	Manual 87plus	08/2017
Unnumbered		Release Note V.26	20.02.2016

TEST REPORTS

1-8082/14-01-03		Testreport CETECOM ICT Service GmbH	28.07.2014
1-8082/14-01-06		Testreport CETECOM ICT Service GmbH	10.09.2014
1-8082/14-01-04		Testreport CETECOM ICT Service GmbH	06.10.2014
1-8082/14-01-05-A		Testreport CETECOM ICT Service GmbH	24.09.2014
1-8082/14-01-05-B		Testreport CETECOM ICT Service GmbH	24.09.2014
Unnumbered		OMD Function test (M67)	09.09.2015



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Supplementary Type Approval Terms and Conditions

Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.

Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations. Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the Lloyd's Register Type Approval System Procedure.