

Société Nationale de Certification et d'Homologation s.à r.l.



EC-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use
in Potentially explosive atmospheres
Directive 94/9/EC

EC-Type Examination Certificate Number: **SNCH 09 ATEX 4380**
Equipment or Protective System: **Sensor in metal enclosure
Type series 663.0000.000.0**
Manufacturer: **Hauber Elektronik GmbH
Fabrikstrasse 6
D-72622 Nürtingen-Zizishausen**

This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

Société Nationale de Certification et d'Homologation s.à r.l., notified body no. 0499, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment or protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.



The examination and test results are recorded in confidential report n° **LU Ex 09-0067 with Supplements n° 1 & 2.**

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2009 / EN 60079-1:2007 / EN 60079-31:2009

If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

This EC Type examination certificate relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

The marking of the equipment or protective system shall include the following:

 II 2G Ex db IIC T4 or Ex d IIC T4 Gb
 II 2D Ex tb IIIC T120 °C IP65 or Ex tb IIIC T120 °C Db IP65

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Schedule

EC-TYPE EXAMINATION CERTIFICATE

N° SNCH 09 ATEX 4380

Description of the equipment or the protection system:

The sensor of type series 663.□□□□.□□□□.□ consists of the flameproof enclosure with direct cable entry. An integrated connecting cable (cable loop) is used for connection. The sensor is intended for measuring and monitoring mechanical quantities, such as vibrations, acceleration, temperatures.

Electrical data

Rated insulation voltage	up to	48	V
Rated current	max.	200	mA
Power loss	max.	5	W
Conductor size	min.	4 x 0.34mm ² or 8 x 0.25mm ²	

Rated values are maximum values, the actual electrical values are determined by mounted electrical apparatus. Within these limiting values complying with the appropriate standards the manufacturer specifies the final limiting values dependent on power supply specifications, operating mode, utilisation category, etc. Any additional technical details are specified in the instructions for operation.

Ambient temperature	-30 °C to +60 °C
Temperature at point of measurement	-30 °C to +85 °C

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Notes for manufacturing and operation:

The connecting cable must be of a quality that meets the thermal and mechanical requirements under field service conditions.

The cable bushing shall meet the requirements of category II 2GD and mode of protection Ex dB IIC (EC- Type Examination). The thread of the cable bushing may be shortened, but shall be no less than 10 mm (depth of enclosure screw thread).

For operation of the sensor, the thermal limit values of the cable bushing and the connecting cable must be observed.

Special conditions X: no conditions to be observed

Essential health and safety requirements: covered by compliance to standards

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