



**BUREAU
VERITAS**



EU - Type Examination Certificate

(1)

(2) Equipment and protective systems intended for use in potentially explosive atmospheres – Directive 2014/34/EU

(3) EU - Type Examination Certificate Number

EPS 18 ATEX 1 007 X

Revision 0

(4) Equipment: Sensorbox XB...

(5) Manufacturer: SEIKA Mikrosystemtechnik GmbH

(6) Address: Söllerweg 1
87487 Wiggensbach
Germany

(7) This equipment and any acceptable variation thereto are specified in the annex to this certificate and the documentation therein referred to.

(8) Bureau Veritas Consumer Products Services Germany GmbH, notified body No. 2004 in accordance with Article 21 given in the Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014, certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II of the Directive. The examination and test results are recorded in the confidential documentation under the reference number 16TH0338.

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN 60079-0:2012+A11:2013

EN 60079-1:2014

EN 60079-31:2014

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the annex to this certificate.

(11) This EU - Type Examination Certificate relates only to the design and construction of the specified equipment in accordance with Directive 2014/34/EU. Further requirements of this Directive apply to the manufacture of this equipment and its placing on the market. Those requirements are not covered by this certificate.

(12) The marking of the equipment shall include the following:

II 2G Ex db IIC T6 Gb



I M2 Ex db I Mb

II 2D Ex tb IIIC T85°C Db



Certification department of explosion protection

Hamburg, 2020-10-26

H. Schaffer

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Certificates without signature and seal are void. This certificate is allowed to be distributed only if not modified. Extracts or modifications must be authorized by Bureau Veritas Consumer Products Services Germany GmbH. EPS 18 ATEX 1 007 X, Revision 0.

(13)

Annex

(14) **EU - Type Examination Certificate EPS 18 ATEX 1 007 X**

Revision 0

(15) Description of equipment:

The sensor box XB .. can be used as a sensor box for inclination or direction sensors or as a housing for electrical and electrical devices of all kinds. It can be used for gas and dust hazardous location zones 1 (21) and 2 (22) as well as underground mining location (EPL Mb). The housing is flameproof and dustproof (IP68) and is made by stainless steel. The connection shall be made by a certified Ex-d cable entry.

Electrical data:

Voltage: up to 30V

Max. Power dissipation: 8W

(16) Reference number: 16TH0338

(17) Special conditions for safe use:

Ambient temperature range: -40 °C to + 60 °C

Only the cables and line entries prescribed by the manufacturer may be used.

For use in areas where there is a risk of dust explosion, the device can be operated with a dust layer of up to 50mm.

Conditions for manufacture:

The housing must be subjected to a routine test according to EN 60079-1 section 15.2.3.2 with 11.37bar.

(18) Essential health and safety requirements:

Met by compliance with standards.

Certification department of explosion protection

Hamburg, 2020-10-26

