



(1) **Supplementary EU - Type Examination Certificate No.2**

(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

(3) EU - Type Examination Certificate number:

FTZÚ 11 ATEX 0187

(4) Product: **Audio-visual signal device SBH-X-Exia, SB-X-Exia, SH-1-Exia**

(5) Manufacturer: **TEVEL, d.o.o.**

(6) Address: **Borovniško naselje 7, 1412 Kisovec, Slovenia**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 11 ATEX 0187 to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute, Notified Body number 1026, in accordance with Articles 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014, certifies that this product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

(9) In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20.04.2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20.04.2016.

(10) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018, EN 60079-11:2012, EN 60079-28:2015, EN 50303:2000

If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Use specified in the schedule to this certificate.

(11) The marking of the product shall include the following:

 **I M1 Ex ia op is I Ma**

(12) This certificate is valid till: **31.10.2027**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 05.10.2022

Page: 1/3

This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.



**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 11 ATEX 0187**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the newest standards.
- Additionally evaluated according to standard EN 60079-28:2015.
- Change of Ex marking.
- Extension of certificate validity.

There are certified product types SBH-X-Exia, SB-X-Exia, SH-1-Exia. The Ex marking of product was extended by "op is" type of protection. Technical parameters of product remain unchanged. The design of product remain unchanged. The product was evaluated in accordance with standards mentioned in clause (10) of this supplement. The validity of the certificate was extended for next five years. The list of actualized documents is listed in clause (19).

Technical parameters:

Ambient temperature: from -20°C to +50°C

Degree of protection: IP 66

Power supply (pins +,-): $U_i = 16\text{ V}$; $I_i = 2.4\text{ A}$; $L_i = 0$; $C_i = 0$

Setting (pins A,B): $U_o = 16\text{ V}$; $I_o = 9.7\text{ mA}$; $C_o = 15\text{ }\mu\text{F}$; $L_o = 100\text{ mH}$

(16) Report Number: 11/0187/2

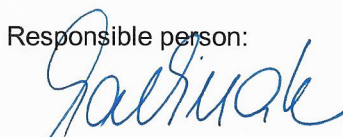
(17) Specific Conditions of Use:

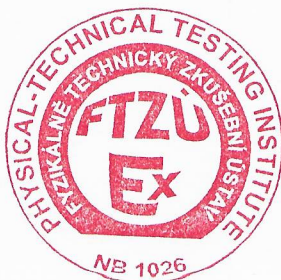
None.

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 05.10.2022

Page: 2/3

This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.

Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic
tel.: +420 595 223 111, +420 604 203 525, e-mail: ftzu@ftzu.cz, www.ftzu.cz



**Physical-Technical Testing Institute
Ostrava - Radvanice**

(13)

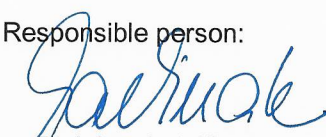
Schedule

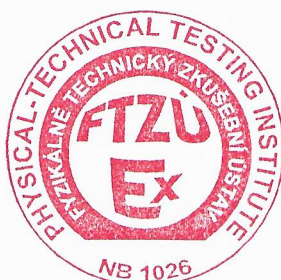
(14) **Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 11 ATEX 0187**

(19) Drawings and Documents:

Number	Sheets	Date	Description
-	11	07.2022	User's manual
359000	1	03.10.2022	List of documents
359033	1	07.2022	Label
359006	1	28.07.2022	Assembly list
359004	1	13.09.2022	Assembly list
359002	1	13.09.2022	Assembly list
359001	15	26.07.2022	Technical description

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 05.10.2022

Page: 3/3



EC-Type Examination Certificate

(1)

(2)

Equipment or Protective Systems Intended for use
in Potentially Explosive Atmospheres
Directive 94/9/EC

(3) EC-Type Examination Certificate Number:

FTZÚ 11 ATEX 0187

(4) Equipment or protective system: **Audio-visual signal device SBH-X-Exia**

(5) Manufacturer: **TEVEL TEVE VARNOST Elektronika, d.o.o.**

(6) Address: **Borovniksko naselje 7, 1412 Kisovec, Slovenia**

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

(8) The Physical Technical Testing Institute, notified body number 1026 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 and 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°

11/0187 dated 23.11.2011

(9) Compliance with Essential Health and safety requirements has been assured by compliance with:

EN 60079-0:2009; EN 60079-11:2007; EN 50303:2000

(10) 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.

(11) This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and testing 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.

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

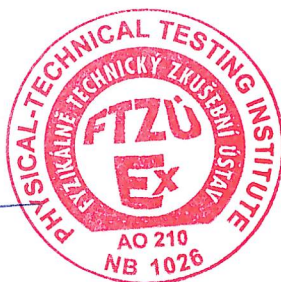


I M1 Ex ia I Ma

This EC-Type Examination Certificate is valid till: **24. 11. 2016**

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 24.11.2016

Number of pages: 3
Page: 1/3

This certificate is granted subject to the general conditions of the Physical Technical Testing Institute.
This certificate may only be reproduced in its entirety and without any change, schedule included.



**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 11 ATEX 0187**

(15) Description of Equipment or Protective System:

Audio-visual signalling device SBH-X-Exia is designed for signalisation of hazardous situation or special status. It is manufactured in three versions SH-1-Exia only signal horn, SB-X-Exia only signal LED flashing light or SBH-X-Exia combining both above mentioned version. The versions differ for stable installation, portable application and according to LED diodes colour light.

Maximal input parameters:

$U_i = 16 \text{ V}; I_i = 2,4 \text{ A}; L_i = 0; C_i = 0$

(16) Report No.: 10/0028

(17) Special conditions for safe use: none

(18) Essential Health and Safety Requirements:

Essential health and safety requirements of Directive 94/9/EC are covered by standards mentioned in (9), according which the product was verified and in the manufacturer's instruction for use.

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 24.11.2011

Page: 2/3

This certificate is granted subject to the general conditions of the Physical Technical Testing Institute.
This certificate may only be reproduced in its entirety and without any change, schedule included.



Physical Technical Testing Institute
Ostrava-Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 11 ATEX 0187**

(19)

LIST OF DOCUMENTATION

Documentation:

Date:

- Technical documentation ID: 359 001 (15 pages) 19.11.2011
- Drawings Noč.: ID: 359003 19.11.2011
ID: 359005 19.11.2011
ID: 359007 19.11.2011
ID: 359008 (2 sheets) 19.11.2011
ID: 359009 (2 sheets) 19.11.2011
ID: 359010 (2 sheets) 19.11.2011
ID: 359011 19.11.2011
ID: 359012 19.11.2011
ID: 359013 (3 sheets) 30.11.2009
ID: 359014 02.06.2011
ID: 359015 (3 sheets) 01.06.2011
ID: 359016 19.11.2011
ID: 359017 19.11.2011
ID: 359018 19.11.2011
ID: 359019 19.11.2011
ID: 359020 04.08.2011
ID: 359021 12.05.2011
ID: 359023 19.11.2011
ID: 359024 19.11.2011
ID: 359025 (6 sheets) 19.11.2011
ID: 359026 19.11.2011
ID: 359027 (5 sheets) 19.11.2011
ID: 359029 19.11.2011
ID: 359030 11.10.2011
ID: 359031 (6 sheets) 19.11.2011
ID: 359032 19.11.2011
ID: 359033 19.11.2011
- Parts list: ID: 359002 19.11.2011
ID: 359004 19.11.2011
ID: 359006 19.11.2011
ID: 359022 19.11.2011
ID: 359028 19.11.2011

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 24.11.2011

Page: 3/3

This certificate is granted subject to the general conditions of the Physical Technical Testing Institute.
This certificate may only be reproduced in its entirety and without any change, schedule included.