



(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 02 ATEX 0160X

(4) Product: **Flameproof luminaire type 541 33 02**

(5) Manufacturer: **ELEKTROSVIT Svatobořice, a. s.**

(6) Address: **Nádražní 1290/44, 696 04 Svatobořice-Mistřín, Czech Republic**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 02 ATEX 0160X 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 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-31:2014

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



I M2 Ex db I Mb



II 2G Ex db IIB T4 Gb



II 2D Ex tb IIIC T_{max.surface} (- see Annex No.1) Db

(12) This certificate is valid till: **30.06.2023**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 27.06.2018

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Annex No. 1

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Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 02 ATEX 0160X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the newest standards: **EN 60079-1:2014, EN 60079-31:2014.**
- Manufacturer was changed address from ELEKTROSVIT Svatobořice, a.s., Nádražní 277 to **new: ELEKTROSVIT Svatobořice, a.s., Nádražní 1290/44, 696 04 Svatobořice-Mistřín.**
- Prolongation of certificate validity.

Basic technical data: - see Annex No. 1

(16) Report Number.: 02/0160/2 dated 27.06.2018

(17) Specific Conditions of Use:

1. Verified values of the maximum gaps and minimum constructional length of flameproof joints of this enclosure are different from relevant minimum and maximum values mentioned in standard. To obtain information about joints dimension it is necessary to contact the manufacturer.
2. Fasteners with a minimum property class 8.8 shall be used for mounting of the flame proof enclosure parts.

(18) Essential Health and Safety Requirements:

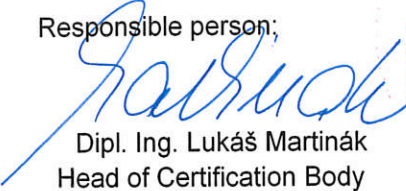
Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (10) of this supplementary certificate.

(19) Drawings and Documents:

Number	Sheets	Revision	Issue	Date	Description
495.2594	3	rev.	--	01.06.2018	User's Manual
R-541 33 01	9	e	--	13.06.2018	Material list
0-541 33 02	1	rev.	--	13.06.2018	Drawing

Responsible person;

Date of issue: 27.06.2018


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Annex No. 1

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Physical-Technical Testing Institute
Ostrava - Radvanice

ANNEX no. 1

**to Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 02 ATEX 0160X**

Basic technical data:


Type: 541 33 02

Marking of equipment shall contain symbols: Ex I M2 Ex db I Mb
 Ex II 2G Ex db IIB T4 Gb
 Ex II 2D Ex tb IIIC Tmax. surface (see tab.) Db
IP 65

Rated voltage: 230V/50Hz
Degree of protection: IP 65
Ambient temperature: -20°C to +40°C

<i>Temperature class and max. surface temperature for light sources:</i>		
Light source	Vapour mercury 125W	High pressure sodium 110W
Temperature class	T4	T4
Max. surface temperature	121 °C	100 °C

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Head of Certification Body



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