Physical-Technical Testing Institute
Ostrava - Radvanice

(1) # Type Examination Certificate

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

(3) Type Examination Certificate number:

FTZÚ 17 ATEX 0033X

(4) Product: **Fluorescent luminaire type 531 43 01K. 531 43 02K. 531 43 03K. 531 43 04K (EVG) 531 43 05K. 531 43 06K. 531 43 07K. 531 43 08K (VVG)**

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

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

(7) This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The Physical-Technical Testing Institute certifies that this product 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 Directive 2014/34/EU of the European Parliament and of the Council, dated 26.02.2014.

The examination and test results are recorded in confidential Report number:

17/0033 dated 29.11.2017

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

EN 60079-0:2012+A11:2013, EN 60079-15:2010, EN 60079-31:2014

(10) 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) This type examination certificate relates only to the design of the specified product and not to specific items of equipment subsequently manufactured.

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

Ex II 3G Ex nA IIC T4 Gc

Ex II 3D Ex tc IIIB $T_{max.\ surface}$ (- see 15) Dc

(13) This certificate is valid till: **30.11.2022**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body

FYZIKÁLNĚ TECHNICKÝ ZKUŠEBNÍ ÚSTAV, s.p. OSTRAVA-RADVANICE

Date of issue: 30.11.2017

Physical-Technical Testing Institute, s.p., Pikartská 1337/7, 716 07 Ostrava - Radvanice, Czech Republic
tel +420 595 223 111, fax +420 596 232 672, ftzu@ftzu.cz, www.ftzu.cz

(13) **Schedule**

(14) # Type Examination Certificate No. FTZÚ 17 ATEX 0033X

(15) Description of Product:

The product type 531 43 0(.)K fluorescent luminaire is composed of three parts:

- a luminaire housing made of steel or stainless steel, where on the opposite sides there are openings with built-in glands (or blanking) M20x1,5;
- transparent parts - polycarbonate diffuser
- protective basket.

Its own body and diffuser are sealed through the EPDM seals by means of stainless steel clips and they are enclosed in IP 55

The enclosure houses a basic varnished steel plate (reflector) on which are mounted lampholders G13, two-poles, four-poles or five-poles connection terminal block, capacitor DNA, electronic starters type Pulsestarter EFS600P together with inductance ballasts HELVAR L36 A-T or electronic ballast Tridonic PC 1/36 T8 INDUSTRY or PC 2/36 T8 INDUSTRY. As light sources are used bi-pin linear fluorescent tubes type T8/G13 1x36W or 2x36W with nominal voltage 230V/50-60Hz.

Technical data: (EVG)

Rated voltage 198-264 V AC /50-60Hz
176-280 V DC

Type	**531 43 01K**	**531 43 02K**	**531 43 05K**	**531 43 06K**
Light source:	1x36 W	2x36 W	1x36 W	2x36W
Degree of protection	IP 55			
Electronic ballast	PC 1/36 T8 INDUSTRY	PC 2/36 T8 INDUSTRY	PC 1/36 T8 INDUSTRY	PC 2/36 T8 INDUSTRY
Temperature class:	T4			
Max. surface temperature [°C]	86			
Body material	steel plate		stainless steel sheet	
Ambient temperature Ta :	**-30 °C to +60 °C**			

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body

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(13) **Schedule**

(14) # Type Examination Certificate No. FTZÚ 17 ATEX 0033X

(15) Description of Product: - continuation

Technical data: (VVG):

Rated voltage 230V AC /50Hz

Type	**531 43 03K**	**531 43 04K**	**531 43 07K**	**531 43 08K**
Light source:	1x36 W	2x36 W	1x36 W	2x36W
Degree of protection	IP 55			
Inductance ballast	L 36A-T			
Temperature class:	T4			
Max. surface temperature [°C]	66			
Body material	steel plate		stainless steel sheet	
Teplota okolí Ta :	**-30 °C to +30 °C**			

(16) Report Number.: 17/0033

(17) Specific Conditions of Use:

1. Ambient temperature range: -30°C ≤ Ta ≤ +60°C (EVG)
2. Ambient temperature range: -30°C ≤ Ta ≤ +30°C (VVG)

(18) Essential Health and Safety Requirements:

Compliance with the Essential Health and Safety Requirements is covered by standards mentioned in clause (9) of this certificate.

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body

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(13) **Schedule**

(14) # Type Examination Certificate No. FTZÚ 17 ATEX 0033X

(19) Drawings and Documents:

Number	Sheets	Issue	Date	Description
495.3686	2	1	28.11.2017	Technical description
0-531 43 02K	1	B	29.11.2017	LINEX
0-531 43 04K	1	B	29.11.2017	LINEX
0-531 43 06K	1	B	29.11.2017	LINEX
0-531 43 08K	1	B	29.11.2017	LINEX
R 531 43 01K,02K	4	0	28.11.2017	List of material
R 531 43 03K,04K	4	0	28.11.2017	List of material
R 531 43 05K,06K	4	0	28.11.2017	List of material
R 531 43 07K,08K	4	0	28.11.2017	List of material
142.5511	1	a	28.11.2017	Drawing
451.2712	1	0	04.04.2016	Drawing
001.5679-0	1	0	28.11.2017	Drawing
001.5679-3	1	0	28.11.2017	Drawing
1-99.6280	1	0	28.11.2017	Drawing
414.5140	1	0	09.01.2001	Drawing

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