



(1) **Supplementary EU - Type Examination Certificate No.6**

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

(3) EU - Type Examination Certificate number:

**FTZÚ 07 ATEX 0223X**

(4) Product: **Earthing block type EGT-t and EGTP 1.X**

(5) Manufacturer: **Elok-Opava spol. s r.o.**

(6) Address: **Sádek 17, 747 75 Velké Heraltice, Czech Republic**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 07 ATEX 0223X 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 60079-11:2012, EN 60079-15:2010,  
EN 60079-31:2014**

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

	<b>II 2G</b>	<b>Ex db ib [ib] IIB T4 Gb</b>	<b>- EGT-t</b>
	<b>II 2D</b>	<b>Ex ib [ib] tb IIIC T130°C Db</b>	<b>- EGT-t</b>
	<b>II 3(2)G</b>	<b>Ex ib [ib] nA nC IIB T4 Gc/Gb</b>	<b>- EGTP 1.X</b>
	<b>II 2D</b>	<b>Ex ib [ib] tb IIIC T130°C Db</b>	<b>- EGTP 1.X</b>

(12) This certificate is valid till: **31.03.2022**

Responsible person:

Dipl. Ing. Lukáš Martinák  
Head of Certification Body



Date of issue: 09.11.2018

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

(13)

**Schedule**

(14)

**Supplementary EU - Type Examination Certificate No. 6  
to FTZÚ 07 ATEX 0223X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Introduction of a new type EGTP 1.X;

The new type EGTP 1.X is designed for indication of earth of mobile and stationary tanks. The electronic circuits are installed in a stainless steel box with degrees of protection IP 65 with two sight glasses. The power supply and control circuits are in Ex-protection „nA“. The relays RE1 and RE2 are protected by Ex-protection „nC“. The circuit of the clamp is designed as intrinsically safe and it is possible to connect only clamps mentioned in the instruction manual. For cable inputs are used Ex-cable glands. Maximum cable length of cable to earthing anchor is 20m. Product is equipped by a Bluetooth module with maximal threshold power 10 mW.

There were added documents to new type EGTP 1.X in the list of documents mentioned in clause (19).

The current type EGT –t earthing block is designed for safe pumping of fuels into tank trucks or railway tanks. The electronic circuits of the earthing block are installed in a flameproof housing designed as an stainless steel (variant EGT-4S) and an aluminium alloy casting (variant EGT-4; EGT-6). The circuit of the clamp is designed as intrinsically safe and it is possible to connect only clamps mentioned in the instruction manual. The cover with two or four sights is fixed with six hexagon screw set, placed in protecting shrouds. Certified flameproof cable glands are used for input of supply cable, operating cable and output cable to the clamp. The equipment is equipped by cable with connector for easy connection of earth cable with clamp. Product is equipped by a Bluetooth module with maximal threshold power 10 mW. For ambient temperature -55°C shall be used a cable type Arctic. Maximum cable length of cable to earthing anchor is 20 m. Into flameproof enclosure are placed two PCB's. Control PCB include supply terminal, IS relays input terminal, IS terminal for connection of earth clamps. There are also non IS circuits of Power supply and relays control. Displaying PCB include only non IS circuits.

Technical parameters for both types:

Ambient temperature: see special conditions for safety use

Supply voltage: 20V DC - 230 V AC; 50 Hz

Power consumption: 10 VA

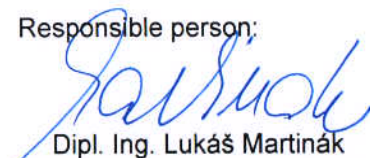
Maximal voltage  $U_m$  (terminals XC2, XC4): 50 V DC

Intrinsically safe parameters of terminals XC2, XC4:

$U_i = 50$  V DC;  $I_i = 200$  mA

(16) Report Number.: 07/0223/6

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**Physical-Technical Testing Institute  
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**Supplementary EU - Type Examination Certificate No. 6  
to FTZÚ 07 ATEX 0223X**

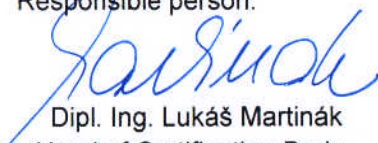
(17) Specific Conditions of Use:

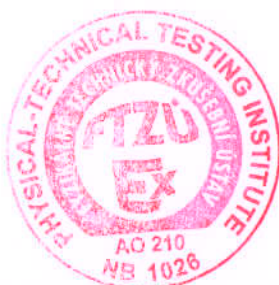
1. Ambient temperature  $T_{amb.}$ : -55°C to +60°C – type EGT-t  
-50°C to +60°C – type EGTP 1.X
2. The basic values for maximum constructional gaps of type EGT-t are different from the maximum values shown in Table 3, EN 60079-1. The values are specified in the approval documents.
3. The Earthing block type EGTP 1.X shall be placed outside zone 1.
4. Only one clamp can be connect to the type EGTP 1.X.
5. There is prohibited combine intrinsically safe voltage with other voltage on the terminals XC2 and XC4.
6. The cables have to be protected against extraction for EGTP 1.X.

(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.

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(14) **Supplementary EU - Type Examination Certificate No. 6  
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(19) Drawings and Documents:

Type EGT-t

Number:

DTE 201700668/A

NKO 201500414/E

Ex 11034-00-035

Ex 11034-00-003

Ex 11037-01-029

Ex 11037-01-030

Ex 11037-01-033

Ex 11037-01-034

Ex 11044-00-001

Ex 11044-00-A41

Ex 11044-00-C41

Ex 11044-00-Y01

Ex 11044-01-001

Ex 11044-01-023

ExESDS 01036-50-002

SV 11034-60-001,BS SCH

ExESDS 01036-52-001

Ex 11034-00-Y02

Ex 11034-00-A41

Ex 01032-11-005

Ex 01653-00-123

Ex 01653-00-003

Ex 11034-00-C41

Sheets:

10

35

12

18

2

Revision:

A

E

A

A

C

B

A

A

A

A

A

A

A

B

A

B

C

B

D

A

D

B

Date:

31.01.2017

08.11.2018

09.01.2017

09.01.2017

12.12.2016

12.12.2016

12.12.2016

12.12.2016

18.01.2017

18.01.2017

18.01.2017

18.01.2017

18.01.2017

18.01.2017

25.01.2017

31.01.2017

29.03.2017

18.01.2017

17.02.2015

12.11.2015

23.03.2012

08.09.2014

25.06.2014

Title:

Technical description

User manual

Drawing

Drawing

Drawing

Drawing

Drawing

Drawing

Drawing

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Drawing

Type EGTP 1.X

Number:

DTE201800827/A

NKO201500413/E

Ex01033-60-001,BS

ExESDS 01036-50-002

ExESDS 01036-52-001

Ex 90060-00-001

Ex 01033-05-035

Ex 01036-50-040

Ex 01033-00-004

Ex 01033-00-004

Sheets:

7

47

5

Revision:

A

E

B

B

C

B

A

A

E

D

Date:

01.08.2018

08.11.2018

27.11.2017

25.01.2017

29.03.2017

10.10.2016

09.03.2017

18.09.2013

09.11.2018

02.08.2018

Title:

Technical description

User manual

Drawing

Drawing

Drawing

Drawing

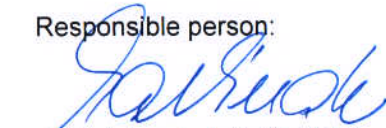
Drawing

Drawing

Drawing

List of Ex components

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