



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 07 ATEX 0033U

(4) Component: **Explosionproof transformer, type XTO 557, XTO 500, XTO 250**

(5) Manufacturer: **GENERI, s.r.o.**

(6) Address: **Uničovská 50, 787 01 Šumperk, Czech Republic**

(7) This Component 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°

07/0033U dated 28 February 2007

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

EN 60079-0:2006; EN 60079-7:2007; EN 61241-0:2007

(10) The sign „U” placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

(11) This EC-TYPE EXAMINATION CERTIFICATE relates only to design, examination and testing of the specified component in accordance to the directive 94/9/EC. If applicable, further requirements of the Directive apply to the manufacture and supply of this component.

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



I M2 Ex e I II 2GD Ex e tD II

This EC-Type Examination Certificate is valid till: **31 March 2012**

Responsible person:

Šindler
Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: **01.03.2007**

Number of pages: **3**
Page: **1/3**

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PHYSICAL TECHNICAL TESTING INSTITUTE
Ostrava-Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 07 ATEX 0033U**

(15) Description of Component:

The transformer consist of transformer coil with primary and secondary winding and of the E I transformer core lamination. The winding is made from enamele wire. The coil is impregnated by vacuum press impregnation.

The transformer is not short circuit proof and the primary and secondary winding has to be protected against short circuit.

The free ending of the windings is possible to connect to the terminals or direct to the other electric device.

(16) Report No. : 07 ATEX 0033U

(17) Schedule of Limitations:

17.1 $-55^{\circ}\text{C} \leq T_{\text{serv}} \leq 110^{\circ}\text{C}$

17.2 The temperature in environment of the transformer (inside in the enclosure) does not exceed value:

60°C for XTO 557

60°C for XTO 500

85°C for XTO 250.

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (9) of this certificate.

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 01.03.2007

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(13)

Schedule

(14) EC-Type Examination Certificate N° FTZÚ 07 ATEX 0033U

(19)

LIST OF DOCUMENTATION

- Technical descriptions No. TP 995053 dated 01.2007
- User's manual No. N 740074-ATEX dated 1.2.2007
- Assembly drawing No. G-2-900013/1 dated 29.01.2007
G-2-900013/2 dated 29.01.2007
G-2-900013/3 dated 29.01.2007
- Catalogue list: Transformer sheet EI-120
Transformer sheet EI-150
"Duretan" coil BKV EI 120
Waterproof paper with PE folio H3 VSP 3251
Sealing material NPN
Flexible PE damp course A19 and A100
Varnished wire DIN IEC 317-13
Spaghetti insulation GS
Conductor BETATHERM

Responsible person:


Dipl. Ing. Sindler Jaroslav

Head of certification body



Date of issue: 01.03.2007

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Physical Technical Testing Institute
Ostrava – Radvanice



(1) **Supplement No. 1 to
EC-Type Examination Certificate**

(2) **Equipment or Protective Systems Intended for Use
in Potentially Explosive Atmospheres
(Directive 94/9/EC)**

(3) EC-Type Examination Certificate Number:

FTZÚ 07 ATEX 0033U

(4) Component: **Explosion-proof transformer, type XTO 557, XTO 500, XTO 250**

(5) Manufacturer: **GENERI, s.r.o.**

(6) Address: **Uničovská 50, 787 01 Šumperk, Czech Republic**

(7) This supplement of certificate is valid for: - modification of component marking
- prolongation of certificate validity

(8) Modification of certified component and any of its approved variants are specified in documentation, a list of which is mentioned in schedule of this certificate.

(9) This supplement to type examination relates only to design, examination and testing of the specified component in accordance to the directive 94/9/EC. If applicable, further requirements of the Directive apply to the manufacture and supply of this component.

(10) Safety requirements of modified parts were fulfilled by satisfying of the following standards:

EN 60079-0:2009; EN 60079-7:2007

(11) Marking of component shall contain symbols:

 **I M2 Ex e I Mb**

 **II 2G Ex e II Gb**

(12) This type examination certificate is valid till: **31.01.2018**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 30.01.2013

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FTZÚ, 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



**Physical Technical Testing Institute
Ostrava – Radvanice**

(13)

Schedule

(14)

**Supplement No. 1 to
EC-Type Examination Certificate N° FTZÚ 07 ATEX 0033U**

(15) Description of Component:

Explosion-proof transformer, type XTO 557, XTO 500, XTO 250 is recertified according to standards EN 60079-0:2009; EN 60079-7:2007.

No changes in the construction were made.

(16) Report No.: 07/0033-1

dated 29.01.2013

(17) Schedule of Limitations:

17.1 $-55^{\circ}\text{C} \leq T_{\text{serv}} \leq 110^{\circ}\text{C}$

17.2 The temperature in environment of the transformer (inside in the enclosure) does not exceed value:

60°C for XTO 557

60°C for XTO 500

85°C for XTO 250.

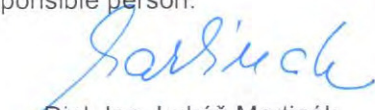
(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (10) of this supplement.

(19) List of Documentation:

- | | | |
|-------------------------|---------------------------------|------------------|
| ➤ Technical description | TP 995053R1 (2 sheets) | dated 11/2012 |
| ➤ Instruction manual | N740074-edition No.2 (2 sheets) | dated 21.11.2012 |
| ➤ Drawing No: | G-2-900013/1 | dated 21.11.2012 |
| | G-2-900013/2 | dated 21.11.2012 |
| | G-2-900013/3 | dated 21.11.2012 |

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 30.01.2013

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

- (2) **Component Intended for use on/in an Equipment or Protective System
Intended for use in Potentially Explosive Atmospheres
(Directive 2014/34/EU)**

- (3) EU - Type Examination Certificate number:

FTZÚ 07 ATEX 0033U

- (4) Product: **Explosionproof transformer type XTO 557, XTO 500, XTO 250**

- (5) Manufacturer: **GENERI s.r.o.**

- (6) Address: **Uničovská 50, 787 01 Šumperk, Czech Republic**

- (7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 07 ATEX 0033U 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 60079-7:2007

The marking of the product shall include the following:

 **I M2 Ex e I Mb**

 **II 2G Ex e IIC Gb**

- (11) This certificate is valid till: **31.05.2023**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 31.05.2018

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

Schedule

(13)

(14) **Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 07 ATEX 0033U**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the newest standard EN 60079-0:2012+A11:2013
- Prolongation of certificate validity.

Rest of technical parameters and construction remain unchanged.

(16) Report Number.: 07/0033/2

(17) Schedule of Limitations:

17.1 - $55^{\circ}\text{C} \leq T_{\text{serv}} \leq 110^{\circ}\text{C}$

17.2 The temperature in environment of the transformer (inside in the enclosure) does not exceed value:
60°C for XTO 557
60°C for XTO 500
85°C for XTO 250.

(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:	Sheet:	Issue:	Date:	Description:
N740074	2	3	14.02.2018	Instruction Manual
G-2-900013/4	1	-	14.02.2018	Drawing
G-2-900013/5	1	-	14.02.2018	Drawing
G-2-900013/6	1	-	14.02.2018	Drawing
TP 995053/2	2	-	14.02.2018	Technical description

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 31.05.2018

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