



Physical Technical Testing Institute
Ostrava-Radvanice



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 05 ATEX 0034U

(4) Component: **Explosion proof end module XZ*****

(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°

05/0034 dated 19 December 2006

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

EN 60079-0:2004; EN 60079-7:2004; EN 60079-18:2004; EN 50281-1-1:1999

(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 / II 2GD Ex e mb I/II

This EC-Type Examination Certificate is valid till: **31.12.2011**

Responsible person:

[Signature]
Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 20.12.2006

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Annex: No. 1 (1 page)

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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 05 ATEX 0034U**

(15) Description of Component:

An explosion proof end module XZ*** is moulded in polyamide with fibreglass reinforced enclosure. The elements are equipped on PC board or are soft-soldered direct on the contacts of end module.

In a front of electronic elements is installed nonreversible temperature fuse with switch off temperature 84°C) which is in compliance with temperature class T6.

Type key – see to Annex No. 1

(16) Report No. : 05/0034

dated 19.12.2006

(17) Schedule of Limitations: $-55\text{ }^{\circ}\text{C} \leq T_{\text{amb}} \leq +80\text{ }^{\circ}\text{C}$

(18) Essential Health and Safety Requirements:

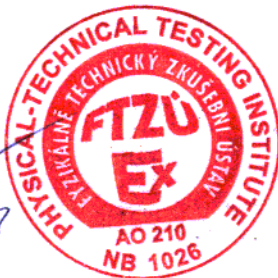
Covered by standards mentioned in (9) of this certificate.

(19) LIST OF DOCUMENTATION

- | | |
|----------------------------------|------------------|
| ➤ User's manual No. N740055-ATEX | dated 01.04.2005 |
| ➤ Drawing No.: G-3-900012 | dated 03.01.2005 |
| G-4-190103_XZ_ATEX | dated 21.03.2005 |

Responsible person:

J. Šindler
Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 20.12.2006

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Annex: No. 1 (1 page)

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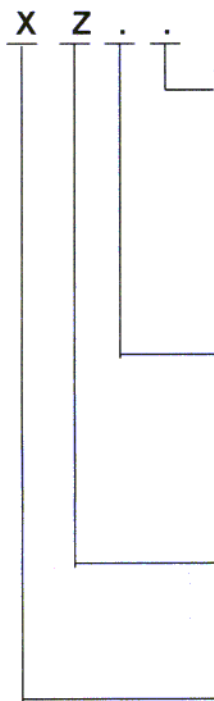


Physical Technical Testing Institute
Ostrava-Radvanice

ANNEX N°. 1

to EC-Type Examination Certificate N° FTZÚ 05 ATEX 0034U

TYPE KEY:



Main electric parameter of the end modul for exact type and performance – for example:

230 V Nominal voltage (at the V and RC component)
100 mA Nominal current (at the D component)
4k7 Value of resistor (at the R component) etc.

Type of module: **D** Diode
 R Resistance
 RC Capacity and resistor
 V Varistor

Z Mark of end module

X Explosion proof end module





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

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

(3) EC-Type Examination Certificate Number:

FTZÚ 05 ATEX 0034U

(4) Component: **Explosion proof end module type XZ . . .**

(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 certified apparatus
- new model (variant) – extension of series
- 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 the 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 following standards:

EN 60079-0:2009; EN 60079-7:2007; EN 60079-18:2009

(11) Marking of component shall contain symbols:

 **I M2 Ex e mb I Mb**

 **II 2G Ex e mb II Gb**

(12) This type examination certificate is valid till: **28.02.2017**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of certification body



Date of issue: 23.02.2012

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Physical Technical Testing Institute
Ostrava-Radvanice

(13)

Schedule

(14)

Supplement No. 1 to
EC-Type Examination Certificate N° FTZÚ 05 ATEX 0034L

(15) Description of Component:

- a) Explosion proof end module type XZ . . . is recertified according standards EN 60079-0:2009; EN 60079-7:2007 and EN 60079-18:2009.
- b) Modification Tamb: -60°C ÷ +84°C.
- c) Enlargement about new sealing compound.

(16) Report No. : 11/0034-D1

(17) Schedule of limitations:

-60°C ≤ Tamb ≤ +84°C

(18) Essential Health and Safety Requirements:

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

(19) LIST OF DOCUMENTATION

- Drawing No. G-3-900012 dated 18.10.2011
- User's instruction No. N 740055 – ATEX dated 17.10.2011
- Data sheet of non-reversible fuse

Responsible person:

Dipl. Ing. Lukáš Martinák

Head of certification body



Date of issue: 23.02.2012

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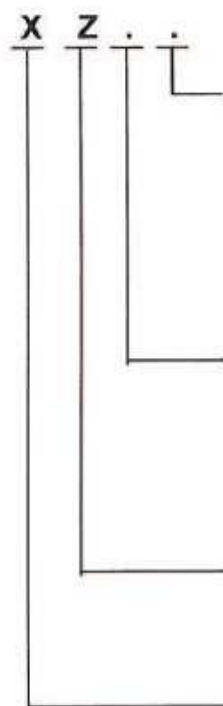


Physical Technical Testing Institute
Ostrava-Radvanice

ANNEX N^o. 1

to EC-Type Examination Certificate N^o FTZÚ 05 ATEX 0034U

TYPE KEY:



Main electric parameter of the end modul for exact type and performance – for example:

400 V Nominal voltage (at the V and RC component)
1 A Nominal current (at the D component)
4k7 Value of resistor (at the R component) etc.

Type of module: **D** Diode
 R Resistance
 RC Capacity and resistor
 V Varistor

Z Mark of end module

X Explosion proof end module





(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 05 ATEX 0034U

- (4) Product: **Explosion proof end module type XZ . . .**

- (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 05 ATEX 0034U 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, EN 60079-18:2009

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

 **I M2 Ex e mb I Mb**

 **II 2G Ex e mb IIC Gb**

- (12) This certificate is valid till: **31.08.2022**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 17.08.2017

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Physical-Technical Testing Institute
Ostrava - Radvanice

(13)

Schedule

(14)

**Supplementary EU - Type Examination Certificate No. 2
to FTZÚ 05 ATEX 0034U**

(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.: 05/0034/2

(17) Schedule of Limitations:

17.1 $-60\text{ °C} \leq T_{\text{amb}} \leq +80\text{ °C}$.

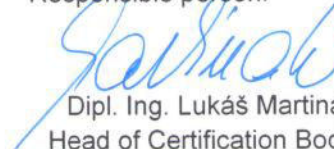
(18) Essential Health and Safety Requirements:

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	Issue	Date	Description
N740055	2	2	01.03.2017	Operating instructions
G-3-900012	1	-	01.03.2017	Drawing

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 17.08.2017

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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



(1) **Supplementary EU - Type Examination Certificate No.3**

(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 05 ATEX 0034U

(4) Product: **Explosion proof end module type XZ...**

(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 05 ATEX 0034U 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 60079-7:2015+A1:2018, EN 60079-18:2015

The sign „U“ is placed after the certificate number. It 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) The marking of the product shall include the following:

 **IM2 Ex eb mb I Mb**

-60°C ≤ T_{serv} ≤ +80°C

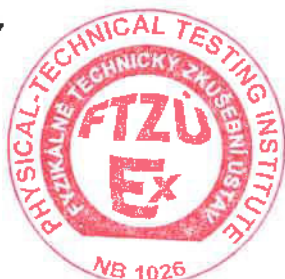
 **II 2G Ex eb mb IIC Gb**

-60°C ≤ T_{serv} ≤ +80°C

(12) This certificate is valid till: **31.12.2027**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 12.12.2022

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

(13)

Schedule

(14)

**Supplementary EU - Type Examination Certificate No. 3
to FTZÚ 05 ATEX 0034U**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the newest standards: EN IEC 60079-0:2018, EN 60079-7:2015+A1:2018 and EN 60079-18:2015.
- Prolongation of certificate validity.

The technical parameters and construction component remain unchanged.

(16) Report Number: 05/0034/3

(17) Schedule of Limitations:

1. Ambient temperature: $-60^{\circ}\text{C} \leq T_{\text{serv}} \leq +80^{\circ}\text{C}$.

(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	Issue	Sheets	Date	Description
N740055	3	2	30.08.2022	User manual

Responsible person:



Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 12.12.2022

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