



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 03 ATEX 0302 U

(4) Component: **Cable gland type 50P-.O.; 70P-TO.; 70-VO.**

(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°

03/0302 dated 28 January 2004

(9) Compliance with Essential Health and safety requirements has been assured by compliance with:
EN 50014:1997+A1+A2; EN 50018:2000; EN 50019:2000; EN 50281-1-1:1998;

(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 EEx d I alt. EEx e I**

 **II 2G3D EEx d IIB alt. II 2GD EEx e II -40°C ≤ Ta ≤ +85 °C**

This EC-Type Examination Certificate is valid till: **28.02.2009**

Responsible person:

Mr. Jaroslav Šindler
Head of certification body



Date of issue: 27.02.2004

Number of pages: 1/2

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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 03 ATEX 0302 U**

(15) Description of Component:

The types 50P-.O.; 70P-TO. cable glands are designed for cables with outside diameters 8 mm to 50 mm (type 50P-.O.) and 44 mm to 70 mm (type 70P-.O.). The cables with recommended diameters are sealed by replacable clamping rubber rings. The rubber rings are compressed by flange of the cable gland with two steel screws. The parts of cable gland and blinding flange are made from steel.

The cable glands and blinding flange (70-VO.) are Ex-components, which are used for cable entries of flameproof enclosures „d“.

(16) Report No. : 03/0302

z 28.01.2004

(17) Schedule of Limitations: --

(18) Essential Health and Safety Requirements:

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

(19) LIST OF DOCUMENTATION

- Technical description No. 995038 (6 pages) dated 30.01.2004
- Drawings No G-2-902823, rev. 1 dated 29.01.2004
 - G-4-90017 dated 30.04.1998
 - G-4-90018 dated 30.04.1998
 - G-4-420019 dated 30.04.1998
 - G-4-420020 dated 30.04.1998
- Drawing label No. 190082_1_.OP_ATEX to 190082_16_.OP_ATEX dated 09.06.2003

Responsible person:


Mr. Jaroslav Šindler
Head of certification body



Date of issue: 27.02.2004

Number of pages: 2/2

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Physical Technical Testing Institute
Ostrava-Radvanice



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 03 ATEX 0302U

(4) Component: **Cable gland type 50P-.O.; 70P-TO.; 70-VO.**

(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 component
- 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 - 0:2004; EN 60079 - 1:2007; EN 60079-7:2007;

EN 61241-0:2004/Cor.1:2005-11; EN 61241-1:2004;


(11) Marking of component shall contain symbols:

 **I M2 Ex d I alt. Ex e I**

 **II 2G3D Ex d tD IIB alt. II 2GD Ex e tD II -40°C ≤ Ta ≤ +85 °C**

(12) This type examination certificate is valid till: **28.02.2014**

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: **23.02.2009**

Number of pages: 2
Page: 1/2

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Physical Technical Testing Institute
Ostrava-Radvanice

(13)

Schedule

(14)

Supplement No. 1 to
EC-Type Examination Certificate N° FTZÚ 03 ATEX 0302U

(15) Description of Component:

Cable gland type 50P-.O.; 70P-TO.; 70-VO. is recertified according standards EN 60079 - 0:2004;
EN 60079 - 1:2007; EN 60079-7:2007; EN 61241-0:2004/Cor.1:2005-11 and EN 61241-1:2004.

(16) Report No.: 03/0302-1

(17) Schedule of limitations:

17.1 The basic values for maximum constructional gap other than the maximum values shown in
Table 1 EN 60079-1 are specified in the drawing No. G-2-902823, rev. 2 dated 29.01.2009.

(18) Essential Health and Safety Requirements:

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

New editions of standards don't require any additional tests.

(19) LIST OF DOCUMENTATION

- Technical description No. 995038 (5 pages) dated 01.03.2009
- Drawings No G-2-902823, rev. 2 dated 29.01.2009

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 23.02.2009

Number of pages: 2

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**Supplement No. 2 to
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 03 ATEX 0302U

(4) Component: **Cable gland type 50P-.O.; 70P-TO.; 70-VO.**

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

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

(7) This supplement of certificate is valid for: - 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 60079-0:2004; EN 60079-1:2007; EN 60079-7:2007;
EN 61241-0:2004/Cor.1:2005-11; EN 61241-1:2004**

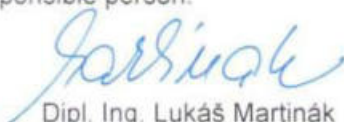
(11) Marking of component shall contain symbols:

 **I M2 Ex d I alt. Ex e I**

 **II 2G3D Ex d tD IIB alt. II 2GD Ex e tD II -40°C ≤ Ta ≤ +85°C**

(12) This type examination certificate is valid till: **30.09.2014**

Responsible person:



Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 14.03.2014

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Physical Technical Testing Institute
Ostrava – Radvanice

(13)

Schedule

(14)

Supplement No. 2 to
EC-Type Examination Certificate N° FTZÚ 03 ATEX 0302U

(15) Description of Component:

Subject of this supplement is prolongation of validity certificate for a period 6 months, i.e. period for finish of tests according newest standards.

(16) Report No.: 03/0302-2

(17) Schedule of Limitations:

17.1 The basic values for maximum constructional gap other than the maximum values shown in Table 1 EN 60079-1 are specified in the drawing No. G-2-902823, rev. 2, dated 29.01.2009.

(18) Essential Health and Safety Requirements:

Covered by standards mentioned in (10) this document.

(19) List of Documentation: --

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 14.03.2014

Page: 2/2

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tel +420 595 223 111, fax +420 596 232 672, ftzu@ftzu.cz, www.ftzu.cz



**Supplement No. 3 to
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 03 ATEX 0302U

(4) Component: **Ex-cable glands type 50P-O., 70P-TO., 70P-VO.**

(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
- 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 following standards:

EN 60079-0:2012; EN 60079-1:2007; EN 60079-7:2007; EN 60079-31:2009

(11) Marking of component shall contain symbols:

 I M2 Ex d I Mb

or  I M2 Ex e I Mb

 II 2G Ex d IIB Gb


or  II 2G Ex e IIC Gb

 II 3D Ex tc IIB Dc

or  II 2D Ex tb IIC Db

(12) This type examination certificate is valid till: **28.02.2020**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 09.02.2015

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Physical Technical Testing Institute
Ostrava – Radvanice

(13)

Schedule

(14)

Supplement No. 3 to
EC-Type Examination Certificate N° FTZÚ 03 ATEX 0302U

(15) Description of Component:

- a) Explosion proof cable glands type 50P-.O., 70P-TO. and 70P-VO. are recertified according to standards EN 60079-0:2012; EN 60079-1:2007; EN 60079-7:2007; EN 60079-31:2009.
- b) New variant of the gasket is added:
 - 40°C ≤ Ta ≤ +85°C (FPM 75, Klingersil C 4400);
 - 30°C ≤ Ta ≤ +85°C (VMQ Silicon 60).

Equipment parameters are without any changes.

(16) Report No.: 03/0302-3

dated 09.02.2015

(17) Schedule of Limitations:

17.1 Cable glands with flameproof enclosure must satisfy requirements of standards EN 60079-1 Tab. 1 for groups I, IIA and IIB.

(18) Essential Health and Safety Requirements:

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

(19) List of Documentation:

Dated

- | | | |
|------------------------------|----------------|------------|
| • Certification drawing No.: | G-2-902823/3 | 30.06.2014 |
| • User manual No.: | N740012, rev.4 | 01.10.2014 |

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 09.02.2015

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Physical-Technical Testing Institute
Ostrava - Radvanice



(1) **Supplementary EU - Type Examination Certificate No.4**

- (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 03 ATEX 0302U

- (4) Product: **Ex-cable glands type 50P-.O.; 70P-TO.; 70P-VO.**
- (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 03 ATEX 0302U 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 60079-7:2016, EN 60079-31:2014
- (11) The marking of the product shall include the following:

I M2 Ex db I Mb

or

I M2 Ex eb I Mb

II 2G Ex db IIB Gb

or

II 2G Ex eb IIC Gb

II 3D Ex tc IIB Dc

or

II 2D Ex tb IIC Db

- (12) This certificate is valid till: **31.07.2025**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 16.07.2020

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

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 4
to FTZÚ 03 ATEX 0302U**

(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 60079-7:2015 and EN 60079-31:2014.
- Prolongation of certificate validity.

The technical parameters and construction components remain unchanged.

(16) Report Number.: 03/0302/4

(17) Schedule of Limitations:

1. Cable glands or cover with flameproof enclosure must satisfy requirements of standards EN 60079-1 Tab. 2 for groups I, IIA and IIB.


(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
N740012	5	2	08.04.2020	User manual
995038	5	5	08.04.2020	Technical Specifications
G-2-902823/4	--	1	08.04.2020	Drawing

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 16.07.2020

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