



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 02 ATEX 0266

(4) Equipment or protective system: **Ex-cable glands type "S"**

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

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

(7) This equipment or protective system 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°

02/0266 dated October 2002

(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) If the sign „X” is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and testing of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include following:



I M2 / II 2GD EEx d I/IIC -40°C ≤ Ta ≤ +85°C



I M2 / II 2GD EEx d I/II -40°C ≤ Ta ≤ +85°C

This EC-Type Examination Certificate is valid till: **31.10.2007**

Responsible person:

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



Date of issue: **31.10.2002**

Number of pages: 1/3

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Physical Technical Testing Institute
Ostrava-Radvanice

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EC-Type Examination Certificate N° FTZÚ 02 ATEX 0266

(15) Description of Equipment or Protective System:

Description of equipment or protection system: Cable glands are design to fit and tighten of standard, braided or armoured cables entering to explosion-proof enclosures, equipment and switchboards. Explosion proof cable glands are made from nickel plated brass, painted steel or stainless steel. Elastomeric gasket rings are pressed from rubber (polyethylene or polypropylene rubber – all sizes only in black colour or silicone rubber in other colours according to inside diameter of rings – green, red, blue, and yellow). For higher degree of protection the cable glands are equipped by "O" gasket ring.

Degree of protection: **IP 54** (without "O" gasket ring)

IP 68, 10 bar (with "O" gasket ring)

(16) Report No. : 02/0266

(17) Special conditions for safe use: none

(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: 31.10.2002

Number of pages: 2/3

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(14) **EC-Type Examination Certificate N° FTZÚ 02 ATEX 0266**

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LIST OF DOCUMENTATION

- Operating manual N° N 740047
- Drawing plate for cable entry N° G-4-190019/1
- Drawing cable entry N° G-4-990314/2
- Technical manual N° N 740018



**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 02 ATEX 0266

(4) Equipment or protective system: **Ex-cable gland type "S"**

(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 apparatus (protective system) and any of its approved variants are specified in documentation, list of which is mentioned in schedule of this certificate.

(9) This supplement to type examination certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains another requirements, which manufacturer shall fulfil before products are place on market or introduce in service.

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

**EN 60079-0:2007; EN 60079-1:2004; EN 60079-7:2007;
EN 61241-0:2007; EN 61241-1:2005**

(11) Marking of equipment shall contain symbols: :

 **I M2/ II 2 GD Ex d tD I /IIC**

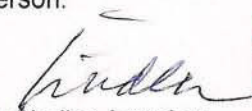
-60°C ≤ Ta ≤ +115°C

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

-60°C ≤ Ta ≤ +115°C

(12) This type examination certificate is valid till: **31.12.2012**

Responsible person:


Dipl. Ing. Sindler Jaroslav

Head of certification body



Date of issue: 12.12.2007

Number of pages: 2

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**Physical Technical Testing Institute
Ostrava-Radvanice**

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**Supplement No. 1 to
EC-Type Examination Certificate N° FTZÚ 02 ATEX 0266**

(15) Description of Equipment or Protective System:

- a) Ex-cable gland type "S" is recertified according standards EN 60079-0:2007; EN 60079-1:2004; EN 60079-7:2007; EN 61241-0:2007; EN 61241-1:2005.
- b) Modification T_{amb} : -60°C to +115°C only for silicone rubber.

(16) Report No. : 02/0266-1

dated 10.12.2007

(17) Special conditions for safe use: - -

(18) Essential Health and Safety Requirements:

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


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

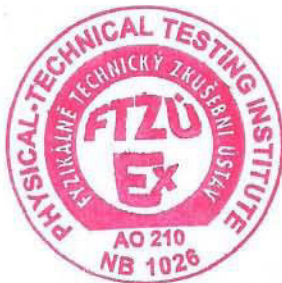
(19) LIST OF DOCUMENTATION

Date:

- Certification drawing No.: G-4-990314/2 03.10.2007
- User manual No.: N740047 rev.3 13.11.2007

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 12.12.2007

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**Supplement No. 2 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 02 ATEX 0266

(4) Equipment or protective system: **Ex-cable glands type "S"**

(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 apparatus (protective system) 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 certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains other requirements, which manufacturer shall fulfil before products are placed on the market or introduce in service.

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

**EN 60079-0:2007; EN 60079-1:2004; EN 60079-7:2007;
EN 61241-0:2007; EN 61241-1:2005**

(11) Marking of equipment shall contain symbols:

 **I M2/ II 2GD Ex d tD I /IIC**

-60°C ≤ Ta ≤ +115°C

 **I M2/ II 2GD Ex e tD I /IIC**

-60°C ≤ Ta ≤ +115°C

(12) This type examination certificate is valid till: **31.10.2013**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 18.04.2013

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**Physical Technical Testing Institute
Ostrava – Radvanice**

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**Supplement No. 2 to
EC-Type Examination Certificate N° FTZÚ 02 ATEX 0266**

(15) Description of Equipment or Protective System:

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.: 02/0266-2

dated: 17.04.2013

(17) Special conditions for safe use: --

(18) Essential Health and Safety Requirements:

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

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 18.04.2013

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Physical Technical Testing Institute
Ostrava – Radvanice



Supplement No. 3 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 02 ATEX 0266

(4) Equipment or protective system: **Ex-cable glands type "S"**

(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 apparatus (protective system) 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 certificate is valid only for type examination of design and construction of product sample in accordance with Annex 3 Paragraph 6) of Directive No. 94/9/EC. The Directive contains other requirements, which manufacturer shall fulfil before products are placed on the market or introduce in service.

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

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

(11) Marking of equipment shall contain symbols:



I M2 Ex d I Mb

or



I M2 Ex e I Mb



II 2G Ex d IIC Gb

or



II 2G Ex e IIC Gb



II 2D Ex tb IIC Db

(12) This type examination certificate is valid till: **30.11.2018**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 28.11.2013

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Physical Technical Testing Institute
Ostrava – Radvanice

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Supplement No. 3 to
EC-Type Examination Certificate N° FTZÚ 02 ATEX 0266

(15) Description of Equipment or Protective System:

- a) Explosion proof cable glands type "S" is recertified according standards EN 60079-0:2012; EN 60079-1:2007; EN 60079-7:2007; EN 60079-31:2009.
- b) A new variant of the gasket.
- c) $-60^{\circ}\text{C} \leq T_a \leq +115^{\circ}\text{C}$.

Equipment parameters are without any changes.

(16) Report No.: 02/0266-3

dated 27.11.2013

(17) Special conditions for safe use:

(18) Essential Health and Safety Requirements:

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

(19) List of Documentation:

Dated

- | | | |
|------------------------------|-----------------|------------|
| • Certification drawing No.: | G-4-990314/4 | 27.11.2013 |
| • User manual No.: | N740074/1 rev.4 | 27.11.2013 |

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 28.11.2013

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

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

(3) EU - Type Examination Certificate number:

FTZÚ 02 ATEX 0266

(4) Product: **Ex-cable glands type "S"**

(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 02 ATEX 0266 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 602079-1:2014; EN 60079-7:2015; 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 IIC Gb or II 2G Ex eb IIC Gb
 II 2D Ex tb IIC Db

(12) This certificate is valid till: **31.03.2024**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 15.03.2019

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Annex: 0



Physical-Technical Testing Institute
Ostrava - Radvanice

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**Supplementary EU - Type Examination Certificate No. 4
to FTZÚ 02 ATEX 0266**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the newest standards EN 602079-1:2014; EN 60079-7:2015 and EN 60079-31:2014.
- Prolongation of certificate validity.

Technical parameters and construction remain unchanged.

(16) Report Number.: 02/0266/4

(17) Specific Conditions of Use: None.

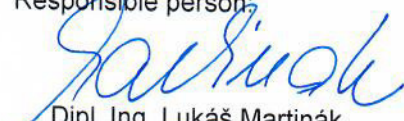
(18) Essential Health and Safety Requirements:

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	Revision	Date	Description
N740047/1	2	5	14.03.2019	User's manual
G-4-990314/5	1	5	26.11.2018	Drawing

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 15.03.2019

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