



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 02 ATEX 0354

- (4) Equipment or protective system: **Explosion-proof steel switchboard, type X40..DA2
or X40..DA2/d**
- (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°

02/0354 dated 27 November 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 EEx de I resp. II 2GD EEx de IIC T6 T 85°C for type X40..DA2



I M2 EEx d I resp. II 2GD EEx d IIC T6 T 85°C for type X40..DA2/d

This EC-Type Examination Certificate is valid till: **30.11.2007**

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 29.11.2002

Number of pages: 1/3

This certificate is granted subject to the general conditions of the Physical Technical Testing Institute.
This certificate may only be reproduced in its entirety and without any change, schedule included.



**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

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(14) **EC-Type Examination Certificate N° FTZÚ 02 ATEX 0354**

(15) Description of Equipment or Protective System:

The series of the explosion-proof switchboards is designed as a modular unit construction system. The basis is a steel instrument box with optional dimensions depending on the number and size of installed instruments and components.

X40..DA2: The box is manufactured with a flameproof enclosure EEx d I or EEx d IIC T6 and with protection IP 66. To the box there is mechanically attached a terminal connection unit of corresponding dimensions, certified increased safety type EEx e I or EEx e II T6 (GENERALI, VARIANTA, ROSE etc.). The instrument part of the switchboard is galvanically connected by means of certified flameproof bushings with the thread joint EEx d I or EEx d IIC.

X40..DA2/d: The box is identical with the type X40..DA2, that is flameproof EEx d I or EEx d IIC T6 with protection IP 66 however it does not contain the terminal connection unit. Cable entries are designed either with flameproof enclosure, or another certified apparatus that does not invalidate the flameproof enclosure. It is also possible to use special encapsulated cable glands of approved type, certified sealing equipment (for example encapsulated end boxes or sealing boxes), or a certified conduit system with an encapsulated sealing part.

The maximum range of ambient temperature is $-40\text{ }^{\circ}\text{C} \leq T_a \leq +40\text{ }^{\circ}\text{C}$. The maximum range of T_a depends on used components, and this corresponding T_a must be mentioned on the data label, if it is different from $-20\text{ }^{\circ}\text{C}$ to $+40\text{ }^{\circ}\text{C}$.

(16) Report No. : 02/0354 dated 27 November 2002

(17) Special conditions for safe use: --

(18) Essential Health and Safety Requirements: --

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 29.11.2002

Number of pages: 2/3

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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

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(14) **EC-Type Examination Certificate N° FTZÚ 02 ATEX 0354**

(19)

LIST OF DOCUMENTATION

- Drawing for certification G-2-90282
- Drawing of type plate G-4-190079/1-ATEX
- Drawing of type plate G-4-190079/2-ATEX
- User's instruction N740017



Physical Technical Testing Institute
Ostrava-Radvanice



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 02 ATEX 0354

(4) Equipment or protective system: **Explosion-proof steel switchboard, type X40..DA2 or X40..DA2/d**

(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 60079-0:2006; EN 60079-1:2007; EN 61241-0:2007; EN 61241-1:2005

Marking of equipment shall contain symbols: :

Ex II 2 GD Ex d IIC tD A IP 66 T6, T5 T85°C T100°C -60°C ≤ Ta ≤ +60°C

Ex I M2 Ex d I -20°C ≤ Ta ≤ +60°C

(12) This type examination certificate is valid till: **30.04.2013**

Responsible person:

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



Date of issue: 04.04.2008

Number of pages: 2
Page: 1/2

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FTZÚ, Pikartská 7, 716 07 Ostrava Radvanice, tel +420 596 232 715, fax +420 596 232 672, e-mail: ftzu@ftzu.cz



**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14)

**Supplement No. 1 to
EC-Type Examination Certificate N° FTZÚ 02 ATEX 0354**

(15) Description of Equipment or Protective System:

- a) Explosion-proof steel switchboard, type X40..DA2 or X40..DA2/d is recertified according to standards EN 60079-0:2006; EN 60079-1:2007; EN 61241-0:2007; EN 61241-1:2005;
- b) Modification $T_{amb} : -60^{\circ}\text{C} \div +60^{\circ}\text{C}$;
- c) Change of sealing compound of the glass window
 - for $T_{amb} : -60^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$ T6
 - for $T_{amb} : -60^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$ T5

(16) Report No. : 02/0354-1

(17) Special conditions for safe use: --


(18) Essential Health and Safety Requirements:

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

(19) LIST OF DOCUMENTATION

- | | | | |
|------------------------------|--------------|------|------------|
| • Certification drawing No.: | G-2-902824 | date | 10.03.2008 |
| | G-2-902824/2 | | 01.04.2008 |
| • User manual No.: | N740017/1 | | 22.01.2008 |
| | N740017/2 | | 20.01.2008 |

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 04.04.2007

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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 02 ATEX 0354

(4) Equipment or protective system: **Explosion-proof steel switchboard, type X40..DA2 or X40..DA2/d**

(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 60079-1:2007;
EN 61241-0:2007; EN 61241-1:2005**

(11) Marking of equipment shall contain symbols:

Ex II 2GD Ex d IIC tD A IP66 T6, T5 T85°C T100°C -60°C ≤ Ta ≤ +60°C

Ex I M2 Ex d I -20°C ≤ Ta ≤ +60°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**

(13)

Schedule

(14)

**Supplement No. 2 to
EC-Type Examination Certificate N° FTZÚ 02 ATEX 0354**

(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.: 02/0354-2

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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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 02 ATEX 0354X

(4) Equipment or protective system: **Explosion-proof steel switchboard, type X40..DA2 or X40..DA2/d**

(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 introduced in service.


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

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

(11) Marking of equipment shall contain symbols:

 **II 2G Ex d IIC Gb T6, T5**

-60°C ≤ Ta ≤ +60°C

 **II 2D Ex tb IIC T85°C T100°C Db**

-60°C ≤ Ta ≤ +60°C

 **I M2 Ex d I Mb**

-20°C ≤ Ta ≤ +60°C

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

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 05.11.2013

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Physical Technical Testing Institute
Ostrava – Radvanice

(13)

Schedule

(14)

Supplement No. 3 to
EC-Type Examination Certificate N° FTZÚ 02 ATEX 0354X

(15) Description of Equipment or Protective System:

Explosion-proof steel switchboard type X40..DA2 or X40..DA2/d is recertified according standards EN 60079-0:2012; EN 60079-1:2007 and EN 60079-31:2009.

Equipment parameters are without any changes.

(16) Report No.: 02/0354-3

dated: 31.10.2013

(17) Special conditions for safe use:

- 17.1 Verified values of the maximum gaps and minimum constructional length of flameproof joints of this enclosure are different from relevant minimum and maximum values mentioned in standard. To obtain information about joints dimension it is necessary to contact the manufacturer.
- 17.2 Cable glands have to be certified according to the standards mentioned in EN 60079-0: 2012, EN 60079-1:2007 or EN 60079-7:2007.

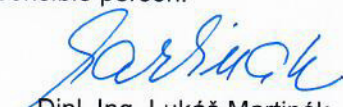
(18) Essential Health and Safety Requirements:

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

(19) List of Documentation:

- | | | |
|------------------------------|-----------------|------------|
| • Certification drawing No.: | G-2-902824 | 25.03.2013 |
| • Certification drawing No.: | G-3-902824/2 | 25.03.2013 |
| • User manual No.: | N740017/1 rev.3 | 01.05.2013 |
| • User manual No.: | N740017/2 rev.3 | 01.05.2013 |

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 05.11.2013

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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 0354X

(4) Product: **Explosion-proof steel switchboard, type X40..DA2 or X40..DA2/d**

(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 0354X 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 60079-31:2014

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

 **II 2G Ex db IIC Gb T6, T5**

-60°C ≤ Ta ≤ +60°C

 **II 2D Ex tb IIIC T85°C, T100°C Db**

-60°C ≤ Ta ≤ +60°C

 **I M2 Ex db I Mb**

-20°C ≤ Ta ≤ +60°C

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

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 27.03.2019

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

(13)

Schedule

(14) **Supplementary EU - Type Examination Certificate No. 4
to FTZÚ 02 ATEX 0354X**

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

Technical parameters and construction remain unchanged.

(16) Report Number.: 02/0354/4

(17) Specific Conditions of Use:

1. Verified values of the maximum gaps and minimum constructional length of flameproof joints of this enclosure are different from relevant minimum and maximum values mentioned in standard. To obtain information about joints dimension it is necessary to contact the manufacturer.

(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
N740017/1	3	4	26.11.2018	User's manual
N740017/2	3	4	26.11.2018	User's manual
G-4-902824/3	1	-	26.11.2018	Drawing
G-4-902824/4	1	-	26.11.2018	Drawing

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 27.03.2019

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