



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 03 ATEX 0329

(4) Equipment or protective system: **Model V1 and V2, control box**

(5) Manufacturer: **SCHIEBEL Antriebstechnik GmbH**

(6) Address: **Josef Benc Gasse 4, A-1230 Wien, Austria**

(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°

03/0329 dated November 2003

(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

(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:




II 2G EEx de IIC T4

This EC-Type Examination Certificate is valid till:

30 November 2008

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 28 November 2003

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)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 03 ATEX 0329**

(15) Description of Equipment or Protective System:

The operating box model V1 or V2 is used to operate ex (r) AB** actuators. The enclosure is made as cylindrical weldment. The main space is designed as flameproof construction EEx d IIC T4, the terminal box is designed as increased safety EEx e II T4. Wires bushings are used for electrical connection between main and terminal spaces.

The space of increased safety (EEx e) of V1 or V2 is to be closed directly by a massive plate for separate mounting. Second option is to connect space of increased safety to the space of increased safety of an actuator type ex (r) AB8, ex (r) AB18 or ex (r) AB40 for connection of motor and signaling unit. In both cases IP 65 protection degree is achieved.

The cable entries in EEx e II protection are used for input of power and signal cable. They are screwed on the side of the terminal box.

The controllers are installed on the lead side of the main space.

(16) Report No. : 03/0329

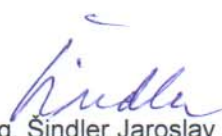
(17) Special conditions for safe use: none

(18) Essential Health and Safety Requirements:

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

Responsible person:

Date of issue: 28.11.2003


Dipl. Ing. Šindler Jaroslav
Head of certification body



Number of pages: 2/3

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Physical Technical Testing Institute
Ostrava-Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 03 ATEX 0329**


(19)

LIST OF DOCUMENTATION

- Technical report of the tests for operating box V2 dated 01.10.2003
- The explosion test protocol no. 2000-EI-E-1209 (12 pages) dated 03.05.2000
- The test of static pressure dated 30.11.1993
- Drawing No.: 82/60z3 dated 20.08.1984

Responsible person:

Date of issue: 28.11.2003


Dipl. Ing. Šindler Jaroslav
Head of certification body



Number of pages: 3/3

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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 03 ATEX 0329

(4) Equipment or protective system: **Model V1 and V2, control box**

(5) Manufacturer : **Schiebel Antriebstechnik GmbH**

(6) Address: **Josef Benc Gasse 4, A-1230, Wien, Austria**

(7) This supplement of certificate is valid for: - recertification according to the new standards
- 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 60079-1:2004; EN 60079-7:2007;

(11) Marking of equipment shall contain symbols:

 **II 2G Ex de IIC T4**

(12) This type examination certificate is valid till: **31.05.2012**

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 15.12.2009

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 0329**

(15) Description of Equipment or Protective System:

The device is recertified according to the new standards EN 60079-0 and EN 60079-1.

No changes in the construction were made.

(16) Report No. : 03/0329-D1


(17) Special conditions for safe use: none

(18) Essential Health and Safety Requirements:

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

Any one supplemental test are requested.

Responsible person:


Dipl. Ing. Sindler Jaroslav
Head of certification body



Date of issue: 15.12.2009

Number of pages: 2

Page: 2/2

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(1) **Supplement No. 2 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 03 ATEX 0329X

(4) Equipment or protective system: **Model V1 and V2, control box**

(5) Manufacturer: **SCHIEBEL Antriebstechnik GmbH**

(6) Address: **Josef Benc – Gasse 4, A-1230 Wien, Austria**

(7) This supplement of certificate is valid for: - recertification according to the new standards
- 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 requirement which the 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 60079-0:2009; EN 60079-1:2007; EN 60079-7:2007

(11) Marking of equipment shall contain symbols:

 **II 2G Ex de IIC T4 Gb**

(12) This type examination certificate is valid till: **31.08.2017**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of certification body



Date of issue: 14.08.2012

Number of pages: 2
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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 0329X**

(15) Description of Equipment or Protective System:

Model V1 and V2, control box is recertified according standards EN 60079-0:2009; EN 60079-1:2007 and EN 60079-7:2007.

No changes in the construction were made.

(16) Report No. : 03/0329-D2

(17) Special conditions for safe use:

17.1 Maximum design gaps of flameproof joints are smaller than maximum permitted gaps according to standard. Verified values of design gaps are mentioned in documentation, a list of which is given in clause (19) of this certificate.

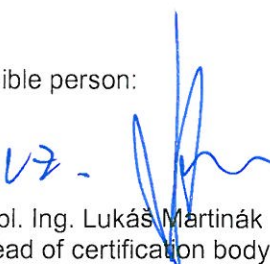
(18) Essential Health and Safety Requirements:

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

(19) List of documentation

- Drawing No. 82/6055 dated 17.07.2012
- Technical description – Supplement No.2 dated 18.07.2012

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of certification body



Date of issue: 14.08.2012

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