



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 07 ATEX 0009U

(4) Component: **Flameproof capacitor type dK 1; dK 2; dK 3**

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

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

(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°

07/0009U dated February 2007

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

EN 60079-0:2004; EN 60079-1:2004

(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:

Ex II 2G Ex d IIB

This EC-Type Examination Certificate is valid till: **30 April 2012**

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 30.04.2007

Number of pages: 2

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PHYSICAL TECHNICAL TESTING INSTITUTE
Ostrava-Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 07 ATEX 0009U**

(15) Description of Component:

The capacitor is for example connected parallel to the 1-phase motor of the actuator.
The capacitor is installed in the cylindrical stainless steel cover. The lower and upper covers made a cylindrical joint. The covers are fixed with a retaining ring.
There in the upper cover is installed the two wires bushing (RADOX 155 ; 0,5 mm²) for electric connection of the capacitor to the terminals. The earth terminal is fixed on the upper cover.

Technical specification:

The capacity: 10 µF ; 20 µF; 40 µF

Voltage: 450/500 VAC

(16) Report No. : 07/0009U

26+23 pages

(17) Schedule of Limitations:

- 17.1 The flameproof capacitor has to be connected to the Ex e terminals inside in the housing in Ex e (encrease safety) protection according to the Directive 9/94/EC.
- 17.2 T_{serv.}: -50°C to +60°C.
- 17.3 Each enclosure of the capacitor has to be tested with pressure 1 MPa/1 min.

(18) Essential Health and Safety Requirements:

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

(19) LIST OF DOCUMENTATION

- Description of the device dated 17.01.2007
- Drawings No.: 82/12 z 6 dated 22.01.2007
 - 82/12 z 6-1
 - 82/12 z 6-2
 - 82/12 z 6-3
- Material bill of the compound 03-3200-0001 (BARTEC)

Responsible person:


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Head of certification body



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Physical Technical Testing Institute
Ostrava-Radvanice



Supplement No. 1 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 07 ATEX 0009U

(4) Component: **Flameproof capacitor type dK 1, dK 2, dK 3**

(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 requirement, which manufacturer shall fulfil before products are place on market or introduce in service.

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

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

(11) Marking of component shall contain symbols:

Ex II2G Ex d IIB Gb

(12) This type examination certificate is valid till: **31.07.2017**

Responsible person:


Dipl. Ing. Lukáš Martinák
Head of certification body



Date of issue: 31.07.2012

Number of pages: 2
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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14)

**Supplement No. 1 to
EC-Type Examination Certificate N° FTZÚ 07 ATEX 0009U**

(15) Description of Component:

The device is recertified according to the new standards EN 60079-0:2009 and EN 60079-1:2007.
No changes in the construction were made.
No one supplemental test is requested.

(16) Report No. : 07/0009-D1

(17) Schedule of limitations:

- 17.1 The conditions attached in the main document are valid in whole range.
17.2 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 Supplement.

(19) Documentation

The confirmed original documentation is still valid.

- Description of type of construction dated 18.07.2012
- Drawing No.: 82/1266 rev. A dated 20.07.2012

Responsible person:

Dipl. Ing. Lukáš Martinák

Head of certification body



Date of issue: 31.07.2012

Number of pages: 2

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