Physical Technical Testing Institute

Ostrava-Radvanice

(1)

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 0387 U

(4) Component: **Flameproof potentiometer, model dP1 or dP2**

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

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

03/0387 dated 24 January 2004

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

EN 50014:1997+A1+A2 **EN 50018:2000**

(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 EEx d IIC

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

Responsible person:

Mr. Jaroslav Šindler

Head of certification body

AUTORIZOVANÁ OSOBA 210 FTZÚ Ex ÚNMZ

Date of issue: 20.02.2004

Number of pages: 1/2

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) EC-Type Examination Certificate N° FTZÚ 03 ATEX 0387 U

(15) Description of Component:

The body of the potentiometer is installed in the enclosure made of nickeled brass. The wheel of the potentiometer is made of nickeled brass (alternativelly made of stainless steel) and make with the enclosure a cylindrical joint. The opposite side of the potentiometer with the wires is sealed with compound.

The assembly of the potentiometer is classified as EEx d IIC.

Technial specification:

	dP1	dP2
Max. loading :	1W	2W
Range of resisting:	1kΩ÷100kΩ	10Ω÷50kΩ

Max. surface temperature of the device is 77°C at T_{amb} = 60°C.

(16) Report No. : 03/0387 35 pages

(17) Schedule of Limitations:

$T_{operate\ max}$: - 40 °C ÷ + 60 °C

(18) Essential Health and Safety Requirements:

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

(19) LIST OF DOCUMENTATION

➢ Drawings No	Flameproof potentiometer	G-3-902820/2	dated 04.09.2003
	Enclosureof the potentiometer	G-4-170014	dated 05.09.2003
	wheel „A“	A 726..	dated unlisted
➢ Technological prescription for sealing No		T 730017	dated 01.09.2003
➢ Lay-out ot the label			dated 05.09.2003

AUTORIZOVANÁ OSOBA 210 FTZÚ EX ÚNMZ

Responsible person:

Mr. Jaroslav Šindler

Head of certification body

Date of issue: 20.02.2004

Number of pages: 2/2

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

(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 0387U

(4) Component: **Flameproof potentiometer type dP1, dP2**

(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 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 fulfil by satisfying of following standards:

EN 60079-0:2006 **EN 60079-1:2007**

(11) Marking of component shall contain symbols:

II 2G Ex d IIC

(12) This type examination certificate is valid till: **31.11.2014**

Responsible person:

Dipl. Ing. Sindler Jaroslav
Head of certification body

PHYSICAL-TECHNICAL TESTING INSTITUTE FYZIKÁLNĚ TECHNICKÝ ZKUŠEBNÍ ÚSTAV FTZÚ AO 210 NB 1026

Date of issue: 27.11.2009

Number of pages: 2
Page: 1/2

FTZÚ, Pikartská 7, 716 07 Ostrava Radvanice, tel +420 595 223 111, 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 03 ATEX 0387U

(15) Description of Component:

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

Any changes in the construction were made.

Any one supplemental test are requested.

(16) Report No. : 03/0387-D1

(17) Schedule of limitations:

The conditions attached in the main document are valid in whole range.

(18) Essential Health and Safety Requirements:

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

(19) Documentation

The confirmed original documentation is still valid.

Responsible person:

Dipl. Ing. Sindler Jaroslav

Head of certification body

PHYSICAL-TECHNICAL TESTING INSTITUTE FYZIKÁLNĚ TECHNICKÝ ZKUŠEBNÍ ÚSTAV FTZÚ Ex AO 210 NB 1026

Date of issue: 27.11.2009

FTZÚ, Pikartská 7, 716 07 Ostrava Radvanice, tel +420 595 223 111, fax +420 596 232 672, e-mail: ftzu@ftzu.cz