



(1) **Supplementary EU - Type Examination Certificate No.3**

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

(3) EU - Type Examination Certificate number:

FTZÚ 01 ATEX 0029X

(4) Product: **Actuating motor, type: MOKP 100 Ex 52320.xxxx**

(5) Manufacturer: **ZPA Pečky a.s.**

(6) Address: **tř. 5. května 166, 289 11 Pečky, Czech Republic**

(7) This supplementary certificate extends EC - Type Examination Certificate No. FTZÚ 01 ATEX 0029X 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 60079-1:2014, EN 60079-31:2014

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

	II 2G Ex db IIC T6 Gb	-25°C ≤ Ta ≤ +55°C
	II 2G Ex db IIB T6 Gb	-50°C ≤ Ta ≤ +55°C
	II 2D Ex tb IIIC T80°C Db	-50°C ≤ Ta ≤ +55°C

(12) This certificate is valid till: **30.09.2022**

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 21.09.2017

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This certificate is granted subject to the general conditions of the FTZÚ, s.p.
This certificate may only be reproduced in its entirety and without any change, schedule included.



Physical-Technical Testing Institute
Ostrava - Radvanice

(13) **Schedule**

(14) **Supplementary EU - Type Examination Certificate No. 3
to FTZÚ 01 ATEX 0029X**

(15) Description of the variation to the Product:

The subject of this supplementary certificate is:

- Evaluation according to the newest standards;
- Prolongation of certificate validity.

The design and technical parameters of Actuating motor type MOKP 100 Ex 52320.xxxx were not modified.

The product is recertified according to standards EN 60079-0:2012+A11:2013, EN 60079-1:2014 and EN 60079:31:2014.

(16) Report Number.: 01/0029/3

(17) Specific Conditions of Use:

1. Ambient temperature range: - see clause (11).
2. Verified values of the maximum gaps and minimum constructional length of flameproof joints of this enclosure differ from relevant minimum and maximum values mentioned in standards. 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	Issue	Date	Description
--	39	--	09/2017	Instruction for use
29050244/C-b	1	13xc	24.07.2017	Assembly drawing

Responsible person:

Dipl. Ing. Lukáš Martinák
Head of Certification Body



Date of issue: 21.09.2017

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EC-Type Examination Certificate

- (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 01 ATEX 0029X

- (4) Equipment or protective system: **Electrical Actuator type MOKP 100 EEx 52320.xxxx**
- (5) Manufacturer: **ZPA Pečky a.s.**
- (6) Address: **Tř. 5. května 166, 289 11 Pečky, 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°

01.0439 dated 26 November 2001

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

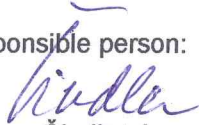
EN 50014:1997 EN 50018:2000

- (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 d IIC T6**

This EC-Type Examination Certificate is valid till: **30.11.2006**

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: **27.11.2001**

Number of pages: **1/3**

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Physical Technical Testing Institute
Ostrava-Radvanice

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 01 ATEX 0029X**

(15) Description of Equipment or Protective System: One speed Electrical Actuator with constant speed of operation of the output part. It is design for remote operating of armatures and automatic regulation. The motor and control part of Electrical Actuator is placed in one aluminium alloy enclosure ($Mg < 1\%$), which forms single flameproof enclosure. Alternatively the Electrical Actuator is provided with local control unit. Local control unit is positioned in separate enclosure, which is mechanically fastened to a main enclosure. Single-purpose conductor bushing connects the local control unit with power part of Electrical Actuator. Metal frame of the conductor bushing forms cylindrical joint in the wall of main enclosure. Power part consists of electromotor, spur and planetary gearbox and manually operated worm drive. The control part consists of position and signalling switches with position transmitter, unit of torque switches and if relevant by electronic regulator. Ex cable glands (EEx d IIC) are used for entry of external circuits into flameproof enclosure.

Basic technical data:

Type/variant: MOKP 100 EEx 52 320	xx1x	xx2x	xx3x	xx4x	xx5x	xx6x	xx7x
Degree of protection	IP 67						
Supply:	1 x 230 V, 50 Hz				3 x 400 V, 50Hz		
Switch off moment: [N m]	25-100	25-100	25-85	25-100	16-32	25-80	25-100
Time for displacement: [s] / 90°	10	20	40	80	10	20	40
Electrical motor power: [W]	80	80	15	17	15	15	15

(16) Report No.: 01.0439 (43 pages)

(17) Special conditions for safe use:

The Electrical Actuator is designed for ambient temperature between: $- 25\text{ °C} < T_a < + 55\text{ °C}$

(18) Essential Health and Safety Requirements: They are included in standards, which are given at page No. 1 of this certificate, and in accordance with the product was approved. The manufacturer must do routine tests according to the approved test procedure. Safety requirements for installation, operation and maintenance of equipment are given in the manufacturer's operation manual and in instructions for assembly.

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 27.11.2001

Number of pages: 2/3

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**Physical Technical Testing Institute
Ostrava-Radvanice**

(13)

Schedule

(14) **EC-Type Examination Certificate N° FTZÚ 01 ATEX 0029X**

(19)

LIST OF DOCUMENTATION

- Drawing of approved assembly No. 290050244/C ... 21. 10. 1999
- Operation manual, 1. edition ... November 2001
- Technical conditions No. TP 32 – 01 / 00, 24 pages ... 25. 01. 2000
- Drawing No. 23464443 ... 14. 09. 2001

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