



## 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 0181X**

(4) Equipment or protective system: **Electrical Actuator type MOKP 250 EEx 52321.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°

**03/0181 dated 26 June 2003**

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

**EN 50014:1997 +A1,A2**

**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. 06.2008**

Responsible person:

Dipl. Ing. Šindler Jaroslav  
Head of certification body



Date of issue: **30. 06. 2003**

Number of pages: **1/3**

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**Physical Technical Testing Institute  
Ostrava-Radvanice**

(13)

**Schedule**

**(14) EC-Type Examination Certificate N° FTZÚ 03 ATEX 0181X**

(15) Description of Equipment or Protective System: Electrical Actuator MOKP 250 EEx 52321 is one speed 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. 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. Input of external cable circuits into flameproof enclosure are ensured with Ex cable entries (EEx d IIC).

**Basic technical data:**

Type/variant:								
MOKP 250 EEx 52 321.	xx1x	xx2x	xx3x	xx4x	xx5x	xx6x	xx7x	xx8x
Supply:	1/N/PE AC 230 V (-10% +6%) 50 Hz				3/N/PE AC 400 V (-10% +6%) 50 Hz			
Switch off moment [ N m ]	63-125		100-250		63-200		100-250	
Time for displacement: [ s ] / 90°	10	20	40	80	10	20	40	80
Power of electrical motor [ W ]	90	90	40	40	90	90	60	20
Stupeň ochrany krytem	IP 67							

(16) Report No.: 03/0181 (38 pages, 7 supplements)

(17) Special conditions for safe use:

The Electrical Actuator is designed for ambient temperature between: - 25 °C < Ta < + 50 °C

(18) Essential Health and Safety Requirements: They are included in standards, which are mentioned in clause (9) of this certificate. The product was approved in accordance with above-mentioned standards and instruction for use.

Responsible person:

Dipl. Ing. Sindler Jaroslav  
Head of certification body



Date of issue: 30. 06. 2003

Number of pages: 2/3

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(13)

**Schedule**

(14) **EC-Type Examination Certificate N° FTZÚ 03 ATEX 0181X**

(19)

**LIST OF DOCUMENTATION**

- Drawing of approved assembly No. 29050284/C 18. 04. 2003
- Technical specification No. TP 32 – 01 / 00 +Z1, Z2, 24 pages 25. 01. 2000
- Technical description of the Electrical Actuator No. 52321.xxxx 18. 04. 2003
- Drawing No. 21464503 27. 11. 2001
- Instruction for use, 2. edition 2003

Number of pages: 3/3



(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 0181X**

(4) Equipment: **Electrical Actuator, type MOKP 250 EEx 52321.xxxx**

(5) Manufacturer: **ZPA Pečky a.s.**

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

(7) This supplement of certificate is valid for prolongation of validity, for modification of certified product and modification of product marking.

(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 placed on market or introduced in service.

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

**EN 60079-0:2006; EN 60079-1:2004; EN 50281-1-1:1998**

(11) Marking of equipment designed according to this supplement shall contain symbols:

	<b>II 2GD</b>	<b>Ex d IIC T6</b>	<b>IP67 T80°C</b>	<b>- 25°C ≤ Ta ≤ 55°C</b>
	<b>II 2GD</b>	<b>Ex d IIB T6</b>	<b>IP67 T80°C</b>	<b>- 50°C ≤ Ta ≤ 55°C</b>

(12) This type examination certificate is valid till: **31. 10. 2012**

Responsible person:

Ing. Šindler Jaroslav  
Head of certification body



Date of issue: 22. 10. 2007

Number of pages: 2  
Page: 1/2

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(13)

Schedule

(14)

Supplement N° 1 to  
EC-Type Examination Certificate N° FTZÚ 03 ATEX 0181X

(15) Description of Equipment:

The supplement prolongs validity of certificate and verifies modified product variant that is designed for ambient temperature from -50°C to +55°C. The construction of flameproof enclosure is identical. For above given ambient temperature range the gas group was change from IIC to IIB. There were made changes in materials used for ensuring the degree of protection provided by enclosure and cement material in bushes. The essential technical data are identical with certified type. The electrical actuators designed for ambient temperature from -50°C to +55°C has in type marking additional symbol -letter F. The basic type marking of all other product variants is modified to **MOKP 250 Ex, type No. 52321.xxxx**.

(16) Report No.: Supplement No. 1 to report 03/0181 ( 37 pages, 8 annexes).

(17) Special conditions for safe use: There are not defined.

The supplementary marking by symbol X is replaced by marking of special ambient temperature range on apparatus.

(18) Essential Health and Safety Requirements:

They are included in standards, which are mentioned in clause (10) of this certificate supplement. The product was approved in accordance with above mentioned standards and manufacturer instruction.

(19) List of documentation:

Approval assembly No. 29050284/C-a	01. 06. 2007
Drawing No 21464503a	27. 02. 2007
Supplement No. 1 TP 32-01/00	03/2007
Technical description 52321	01. 06. 2007
Instruction, MODACT MOKP 250 Ex, type No. 52321, issue 2006	verified on: 16. 05. 2007

Responsible person:

  
Ing. Šindler Jaroslav  
Head of certification body



Date of issue: 22. 10. 2007

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 0181X**

(4) Equipment: **Actuating motor, type: MOKP 250 Ex 52321.xxxx**

(5) Manufacturer: **ZPA Pečky a.s.**

(6) Address: **tř. 5. května 166, 289 11 Pečky, 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, 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 other 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 60079-0:2009**

**EN 60079-1:2007**

**EN 60079-31:2009**

(11) Marking of equipment shall contain symbols:



**II 2GD**

**Ex d IIC T6 Gb**

**-25°C ≤ Ta ≤ 55°C**

**Ex d IIB T6 Gb**

**-50°C ≤ Ta ≤ 55°C**

**Ex tb IIIC T80°C Db IP67**

**-50°C ≤ Ta ≤ 55°C**

(12) The type examination certificate is valid till: **01. 11. 2017**

Responsible person:

Dipl. Ing. Martinák Lukáš

Head of certification body



Date of issue: **01. 11. 2012**

Number of pages: **2**

Page: **1/2**

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(13)

Schedule

(14)

Supplement No. 2 to  
EC-Type Examination Certificate N° FTZÚ 03 ATEX 0181X

(15) Description of Equipment:

The design nor technical parameters of Actuating motor type MOKP 250 Ex 52321.xxxx weren't modified. The information referred to in the basic certificate and in Supplement No 1 to the certificate, are valid.

(16) Report No.: 03/0181-2 on 30. 10. 2012

(17) Special conditions for safe use: Verified values of design joints of flameproof enclosure are given in drawing No. 29050284/C-b. The values differ from relevant minimum or maximum values given in technical standard.

(18) Essential Health and Safety Requirements:

They are included in standards, which are mentioned in clause (10) of this certificate supplement, and in manufacturer documentation. The product was approved in accordance with above mentioned standards.

(19) List of documentation:

Updating documentations:

Approval assembly No. 29050284/C-b	21.09.2012
Technical description t.c.52321, 4 pages	12.09.2012
Supplement No. 1b to the technical conditions TP 32-01/00, 5 pages	03/2012
Instruction for use MODACT MOKP 250 Ex t.c.52321	2012

Responsible person:

Đipl. Ing. Martinák Lukáš

Head of certification body



Date of issue: 01. 11. 2012

Page: 2/2

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