



## 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 02 ATEX 0109X**

- (4) Equipment or protective system: **Electric actuator, type KP MINI EEx 52998.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.

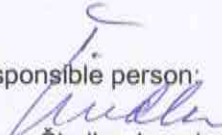
The examination and test results are recorded in confidential Report N°

**02/0109 dated 1 August 2002**

- (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: 31. 08. 2007

Responsible person:  
  
Dipl. Ing. Šindler Jaroslav  
Head of certification body



Date of issue: 02. 08. 2002

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 02 ATEX 0109X**

(15) Description of Equipment: The electric actuator KP MINI is a single speed device with constant speed of adjustment of output part. The device is intended for remote control of fittings and automatic adjustment. Electric motor, electrical accessories of the actuator and power actuator gearing are placed in common flameproof enclosure made of aluminium alloy (Mg < 1%). The enclosure consists of flanged gearing beam, where the output shaft of actuator pass through and cover, that is fastened with four bolts to the beam. The joint of these two parts form a cylindrical flameproof joint. The actuator has also manual control device. The shaft of manual control passes through cover and forms also a cylindrical flameproof joint. Cable entry for connection of electric motor and electrical accessories of the actuator there are installed Ex cable glands with type of protection EEx d IIC. The conductors are in the cable glands sealed with encapsulant. The electric motor is either single-phase motor with connected capacitor or DC. The electrical accessories of the actuator are cam switches, position sender (potentiometer), electronic regulator, heating resistor, terminals and temperature sensor of triggering type with rated switch-off temperature 70 °C. The electric actuator has internal and external protective (earthing) terminal.

Essential technical data:

Type/variant: KP MINI EEx 52 998	xx1x	xx2x	xx3x	xx4x	xx5x
Supply:	AC 50 Hz 230V, 24 V, 110 V (-15% +10%) Un				
	AC 60 Hz 230 V, 24 V, 110 V, 120 V (-15% +10%) Un				
	DC 24 V				
Rated torque: [ N m ]	30 Nm				
Adjustment time: [ s ] / 90°	30	60	48	90	72 120 96 64 – 88
Supply voltage frequency: [Hz]	50	50	60	50	60 50 60 (DC)
Electric motor type:	SMR 300	SMR 300	SMR 300		SMR 300 ITT
	/1200	/1200	/600	/800	/600 402.907
Electric motor output: [ W ]	3,8	3,8	1,9	2,5	1,9 2,5
Type of duty:	S2 10 min, S4 30%				

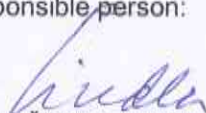
(16) Report No. : 02/0109 (34 pages, 5 annexes)

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

The electric actuator is designed for use in special range of ambient temperature:  
-25°C < Ta < + 55°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. Šindler Jaroslav  
Head of certification body



Date of issue: 02. 08. 2002

Number of pages: 2/3

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 02 ATEX 0109X**

(19)

**LIST OF DOCUMENTATION**

- Approval assembly drawing No. 29151586/C 26. 02. 2002
- Annex to assembly drawing No. 29151586/C 13. 05. 2002
- Instruction for use KP MINI EEx 30 Nm 13. 05. 2002
- Technical specification No. TP 99-03 / 97, 12 pages on 30.01. 1997  
with supplement No. 4 13. 05. 2002
- Technical description of actuator No. 52 998 13. 05. 2002





(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 02 ATEX 0109X**

(4) Equipment: **Electric actuator, type KP MINI EEx 52998.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 place on market or introduce in service.

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


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

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

 **II 2G Ex d IIC T6**

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

Responsible person:

  
Šindler Jaroslav

Head of certification body



Date of issue: 17. 10. 2007

Number of pages: 2

Page: 1/2

This supplement to certificate is granted subject to the general conditions of the Physical Technical Testing Institute.  
This supplement to certificate may only be reproduced in its entirety and without any change, schedule included.



Physical Technical Testing Institute  
Ostrava-Radvanice

(13)

Schedule

(14)

Supplement N° 1 to  
EC-Type Examination Certificate N° FTZÚ 02 ATEX 0109X

(15) Description of Equipment:

The electric actuator type KP MINI EEx 52998 according to the supplement is identical with certified type. This supplement prolongs the certificate validity and verifies conformity with new editions of standards mentioned in clause 10 of this supplement.

The ambient temperature range changes for use of an electric actuator to  $-20^{\circ}\text{C} \leq T_a \leq 55^{\circ}\text{C}$ .

(16) Report No.: Supplement No. 1 to report 02/0109 ( 11 pages ).

(17) Special conditions for safe use:

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

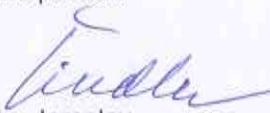
(18) Essential Health and Safety Requirements:

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:

➤ Technical description type No.52998	12.08.2007
➤ Approval assembly No. 29151586/C, revision a) 12.08.2007	26. 02. 2002
➤ Technical specification No. TP 99-03/97, revision No.5) 10/2007	30.01.1997
➤ Instruction for use KP MINI	10/2007

Responsible person:

  
Šindler Jaroslav

Head of certification body



Date of issue: 17. 10. 2007

Page: 2/2

This supplement to certificate is granted subject to the general conditions of the Physical Technical Testing Institute. This supplement to certificate may only be reproduced in its entirety and without any change, schedule included.



Physical Technical Testing Institute  
Ostrava-Radvanice



## 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 02 ATEX 0109X**

(4) Equipment: **Electric Actuator, type: KP MINI EEx 52998.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**

(11) Marking of equipment shall contain symbols:



**II 2G Ex d IIC T6 Gb**

**-25°C ≤ Ta ≤ +55°C**

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

Responsible person:

Dipl. Ing. Martinák Lukáš

Head of certification body



Date of issue: **12. 11. 2012**

Number of pages: **2**

Page: **1/2**

This supplement to certificate is granted subject to the general conditions of the Physical Technical Testing Institute.  
This supplement to certificate may only be reproduced in its entirety and without any change, schedule included.



Physical Technical Testing Institute  
Ostrava-Radvanice

(13)

Schedule

(14)

Supplement No. 2 to  
EC-Type Examination Certificate N° FTZÚ 02 ATEX 0109X

(15) Description of Equipment:

The design nor technical parameters of Actuating motor type KP MINI EEx 52998.xxxx weren't modified. The information referred to in the basic certificate are valid.  
The supplement prolongs validity of certificate and verifies modification of position transmitters.

(16) Report No.: 02/0109-2 on 08. 11. 2012

(17) Special conditions for safe use: Verified values of design joints of flameproof enclosure are given in drawing No. 29151586/C. 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. 29151586/C, change b) on 27.09.2012	26.02.2002
Technical description t.c.52998, 4 pages	27.09.2012
Technical conditions TP 99-03/97, 12 pages, change No. 6	09/2012
Instruction for use KP MINI EEx, KP MINI Control EEx 52998	2012

Responsible person:

  
Dipl. Ing. Martinák Lukáš

Head of certification body



Date of issue: 12. 11. 2012

Page: 2/2

This supplement to certificate is granted subject to the general conditions of the Physical Technical Testing Institute.  
This supplement to certificate may only be reproduced in its entirety and without any change, schedule included.