



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 0328X

- (4) Equipment or protective system: **General – purpose electric actuator, type SERV 01**
- (5) Manufacturer: **DRAHOMIL KLIMEŠ**
- (6) Address: **Hodonínská 352, 696 21 Prušánky, 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°

07/0328 dated 19 March 2008

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

EN 61241-0:2006 EN 61241-1:2004

- (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:

Ex II 2D Ex tD A IP54 T 80°C

This EC-Type Examination Certificate is valid till: **31 of March 2013**

Responsible person:


Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 26 of March 2008

Number of pages: 3

Page: 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 07 ATEX 0328X**

(15) Description of Equipment or Protective System:

The electric actuator, type SERV 01, is designed for continuous control of technological equipment with rotating shaft (flap, shut off). The actuator consists of housing with cover, inside of which is electric motor with worm-gear set, resistance angle sensor of output shaft position up to 400° or 3600° (one or ten revolutions).

The electric motor is supply from toroidal transformer, type H-60, electric motor control, position sensing and communication module RS 485 ensures evaluating electronic PCB, that is installed also inside of actuator housing.

Technical parameters:

Power supply:	230 V/ 50 Hz
Power input:	max. 60 W
Torque:	80 Nm
Angle of rotation:	400° or 3600°
Degree of protection:	IP 54
Output relays:	250 V AC/1A
Apparatus mass:	8,3 kg
Service duty:	intermittent periodic duty
Ambient temperature:	-20°C ... + 55°C

(16) Report No. : FTZÚ No. 07/0328

(17) Special conditions for safe use: **X**

17.1 Ambient temperature T_A -20°C ... +55°C

(18) Essential Health and Safety Requirements:

They are included in standards, which are mentioned in clause (9) of this certificate and in manufacturer's instruction for use.

Responsible person:

Dipl. Ing. Šindler Jaroslav
Head of certification body



Date of issue: 26 of March 2008

Number of pages: 3

Page: 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 07 ATEX 0328X**


(19)

LIST OF DOCUMENTATION

- Trade and technical documentation - document No. SERV 01 07 2007 01.09.2007
- Circuitry diagrams - drawing No. SERV 01 07 2007 --
- Assembly SERVOPOHON - drawing No. SERV 01 07 2007 05.07.2007

Responsible person:

Date of issue: 26 of March 2008


Dipl. Ing. Šindler Jaroslav
Head of certification body



Page: 3/3

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.