

CERTIFICATE

(1) EC-Type Examination

(2) **Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC**

(3) EC-Type Examination Certificate Number: **DEKRA 12ATEX0001 X** Issue Number: **1**

(4) Equipment: **Electric actuators, Types EL35, EL55, EL100, EL150, EL200, EL350, EL500, EL800, EL1200, EL1600, EL2500 and Local Control Station**

(5) Manufacturer: **Emerson Process Management- Valve Automation**

(6) Address: **Asveldweg 11, 7556 BR Hengelo, The Netherlands**

(7) This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) DEKRA Certification B.V., notified body number 0344 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment 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 test report number 202894000.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0 : 2009

EN 60079-1 : 2007

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment 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 tests of the specified equipment according to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment shall include the following:



II 2 G Ex db IIB T4

This certificate is issued on April 2, 2012 and, as far as applicable, shall be revised before the date of cessation of presumption of conformity of (one of) the standards mentioned above as communicated in the Official Journal of the European Union.

DEKRA Certification B.V.

T. Pijpker
Certification Manager

Page 1/2

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(13) **SCHEDULE**

(14) **to EC-Type Examination Certificate DEKRA 12ATEX0001 X**

Issue No. 1

(15) **Description**

The Electric actuators, Types EL35, EL55, EL100, EL150, EL200, EL350, EL500, EL800, EL1200, EL1600 and EL2500 are used to actuate valves. The aluminium alloy flameproof housing contains the motor, gear reduction, one or two heaters, limit switches and torque switches. The cover of the enclosure is provided with a viewing window.

The actuators can be provided with a Local Control Station and the internal built-in options "integral", "potmeter", "speedcontrol", "position transmitter", "extra switches", "positioner" and "dc motor". The Local Control Station is an additional housing provided with a 5-pole switch. The internal built-in options are used to provide control and position indication of electric actuators.

Electrical data

Actuator with the possible options included :

Supply voltage :	- DC	: 24 V
	- AC single phase	: 24 V 50/60 Hz
		: 110-130 V 50/60 Hz
		: 220-280 V 50/60 Hz
	- AC three phase	: 380-460 V 50/60 Hz

Installation instructions

The instructions provided with the equipment shall be followed in detail to assure safe operation.

(16) **Test Report**

No. 202894000.

(17) **Specific conditions of safe use**

- Ambient temperature range -20 °C to +60 °C
- The property class of the fasteners is at least A2-70.
- The manufacturer shall be contacted for information on the dimensions of the flameproof joints.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at (9).

(19) **Test documentation**

As listed in Test Report No. 202894000.