

# CERTIFICATE

## (1) EU-Type Examination

(2) **Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU**

(3) EU-Type Examination Certificate Number: **DEKRA 18ATEX0098 X** Issue Number: **1**

(4) Product: **Electric Actuator, Fig. 7907, type ELA...**

(5) Manufacturer: **ERIKS Flow Control**

(6) Address: **Cypresbaan 63, 2908 LT, Capelle aan den IJssel, The Netherlands**

(7) This product 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 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product 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.

The examination and test results are recorded in confidential test report number NL/DEK/ExTR18.0073/01.

(9) 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**

except in respect of those requirements listed at item 18 of the Schedule.

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

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



**II 2 G Ex db IIB T4 Gb**  
**II 2 D Ex tb IIIC T135 °C Db**

Date of certification: 5 February 2021

DEKRA Certification B.V.

L.G. van Schie  
Certification Manager





(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 18ATEX0098 X**

Issue No. 1

(15) **Description**

Electric Actuator, Fig. 7907, type ELA... is designed for quarter turn operating applications of industrial valves. Optionally the Actuator can be provided with a Local Control Unit (LCU).

The actuator includes a compartment with electrical parts and a compartment with only mechanical parts. The scope of this certificate covers the compartment with electrical parts and the optionally LCU which includes only electrical parts.

Ambient temperature range -20 °C to +60 °C.

For details about the type designation and electrical data see the Annex to this certificate; Annex 1 to Report No. NL/DEK/ExTR18.0073/01.

**Installation instructions**

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

(16) **Report Number**

No. NL/DEK/ExTR18.0073/01.

(17) **Specific conditions of use**

For type of protection Ex db IIB T4 Gb:

- For details on the flamepaths the manufacturer shall be contacted.
- Cover fasteners with a yield stress of at least 210 MPa are used.

For type of protection Ex tb IIIC T135 °C Db:

- precautions shall be taken to minimize the risk from propagating brush discharges of painted parts.

Actuators rated for 115 and 230 Vac shall operate within "zone A" per IEC 60034-1; typically  $\pm 5$  % of the rated voltage since the surface temperature determination of these Actuators was based on operation within "Zone A".

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR18.0073/01.

(20) **Certificate history**

Issue 0 -	223129400	initial certificate
Issue 1 -	225359700	Change of design and position of the nameplate.



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:	<b>IECEx DEK 18.0081X</b>	Page 1 of 4	<u>Certificate history:</u> Issue 0 (2019-06-14)
Status:	<b>Current</b>	Issue No: 1	
Date of Issue:	2021-02-05		
Applicant:	<b>ERIKS Flow Control</b> Cypresbaan 63, 2908 LT Capelle aan den IJssel <b>Netherlands</b>		
Equipment:	<b>Electric Actuator, Fig. 7907, type ELA...</b>		
Optional accessory:			
Type of Protection:	<b>Ex db, Ex tb</b>		
Marking:	Ex db IIB T4 Gb Ex tb IIIC T135 °C Db		

Approved for issue on behalf of the IECEx  
Certification Body:

**L.G. van Schie**

Position:

**Certification Manager**

Signature:  
(for printed version)

Date:

2021-02-05

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting [www.iecex.com](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**DEKRA Certification B.V.**  
**Meander 1051**  
**6825 MJ Arnhem**  
**Netherlands**





# IECEx Certificate of Conformity

Certificate No.: **IECEx DEK 18.0081X**

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Date of issue: 2021-02-05

Issue No: 1

Manufacturer: **ERIKS Flow Control**  
Cypresbaan 63, 2908 LT  
Capelle aan den IJssel  
**Netherlands**

Additional  
manufacturing  
locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

## STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

**IEC 60079-0:2011** Explosive atmospheres - Part 0: General requirements  
Edition:6.0

**IEC 60079-1:2014-06** Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

**IEC 60079-31:2013** Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"  
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

## TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

[NL/DEK/ExTR18.0073/01](#)

Quality Assessment Report:

[DE/EPS/QAR19.0002/01](#)



# IECEx Certificate of Conformity

Certificate No.: **IECEx DEK 18.0081X**

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Date of issue: 2021-02-05

Issue No: 1

## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

Electric Actuator, Fig. 7907, type ELA... is designed for quarter turn operating applications of industrial valves. Optionally the Actuator can be provided with a Local Control Unit (LCU).

The actuator includes a compartment with electrical parts and a compartment with only mechanical parts. The scope of this certificate covers the compartment with electrical parts and the optionally LCU which includes only electrical parts.

Ambient temperature range -20 °C to +60 °C.

For details about type designation and electrical data see Annex 1 to this certificate.

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

For type of protection Ex db IIB T4 Gb:

- For details on the flamepaths the manufacturer shall be contacted.
- Cover fasteners with a yield stress of at least 210 MPa are used.

For type of protection Ex tb IIIC T135 °C Db:

precautions shall be taken to minimize the risk from propagating brush discharges of painted parts.

Actuators rated for 115 and 230 Vac shall operate within "Zone A" per IEC 60034-1; typically  $\pm 5\%$  of the rated voltage since the surface temperature determination of these Actuators was based on operation within "Zone A".



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Certificate No.: **IECEx DEK 18.0081X**

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Date of issue: 2021-02-05

Issue No: 1

**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Change of design and position of the nameplate.

**Annex:**

[225359700-Annex1.pdf](#)