



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx LCIE 14.0002X

Issue No: 0

Certificate history:

Issue No. 1 (2018-10-11)

Issue No. 0 (2014-04-01)

Status: **Current**

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Date of Issue: **2014-04-01**

Applicant: **ELTORQUE AS**
Verkstedvengen 4,7125
Vanvikan
Norway

Equipment: **Actuator Type : QT250 2.1 Ex or QT800 2.1 Ex**

Optional accessory:

Type of Protection: **Ex e ib mb IIC T4 Gb**

Marking:

ELTORQUE AS

Address : ...
Type : QT250 or QT800
Model :
Serial number : ...

Ex e ib mb IIC T4 Gb
-25°C ≤ Tamb ≤ +70°C
IECEX LCIE 14.0002 X

Approved for issue on behalf of the IECEx

Certification Officer

Certification Body:

Position:

Julien GAUTHIER

Signature:
(for printed version)

Date:

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
FR-92260 Fontenay-aux-Roses
France





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Manufacturer: **ELTORQUE AUTOMATION (Xiamen) Ltd.**
5/F, 6# Xinshidai building
No.1 Hui Da Dao, Huli District, Xiamen
Fujian
China

Additional Manufacturing location(s):

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 apparatus 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 : 2007-10 Edition:5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-11 : 2006 Edition:5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-18 : 2009 Edition:3	Explosive atmospheres Part 18: Equipment protection by encapsulation "m"
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical 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:

[FR/LCIE/ExTR14.0007/00](#)

Quality Assessment Report:

[FR/LCIE/QAR13.0018/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The product is an actuator able to deliver a torque of 250Nm (type : QT250 2.1 Ex) or 800Nm (type:QT800 2.1 Ex). The electrical parameters, encapsulated circuit part, decoder and structure of the motors are all the same, the only differences are torque, close time and dimensions.

The actuators are composed of control box, motor protected by increased safety "e", and decoder protected by intrinsic safety "i" and terminal protected by "e". Ex e terminals are installed in control box, the circuit board protected by encapsulation "mb" is also installed in the control box.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- The assembly should be equipped with suitable certified cable glands with a compatible mode of protection for the intended use. All of the four entry holes are used on field.

- The actuator shall be mounted only in accordance with the manufacturer's instruction.

- Power-frequency withstand voltage test is conducted according to Clause 7.1 of IEC 60079-7:2006 standard.

It means the motor winding and the shell shall be tested at 500V for at least 60 seconds without breakdown.

And the main power input terminal blocks and the shell shall be tested at 1500V for at least 60 seconds without voltage.

- Visual inspections is conducted according to Clause 9.1 of IEC 60079-18:2009 standard.