



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

Certificate No.: **IECEx PRE 14.0056X**

Page 1 of 4

Certificate history:

Status: **Current**

Issue No: 3

[Issue 2 \(2024-08-06\)](#)

[Issue 1 \(2016-02-04\)](#)

[Issue 0 \(2015-03-12\)](#)

Date of Issue: 2024-10-14

Applicant: **Eltorque AS**
Julianus Holms veg 34
N-7041 Trondheim
Norway

Equipment: **Valve Actuator**

Optional accessory:

Type of Protection: **Ex d e h**

Marking: Ex db eb h IIB T4 Gb, T_{amb}: -25°C to + 70°C.

Approved for issue on behalf of the IECEx
Certification Body:

Ståle Sandstad

Position:

Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

2024-10-14

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 or use of this QR Code.



Certificate issued by:

DNV Product Assurance AS
Veritasveien 1
1363 Høvik
Norway





IECEx Certificate of Conformity

Certificate No.: **IECEx PRE 14.0056X**

Page 2 of 4

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Manufacturer: **Eltorque AS**
Julianus Holms veg 34
N-7041 Trondheim
Norway

Manufacturing locations: **Eltorque Automation Xiamen Ltd.** **Eltorque AS**
2/F, 1#building, No. 168 Verkstedveien 4
Huizuo Road, Xin Yang Industrial Area 7125 Vanvikan
Haicang District, Fujian Province, **Norway**
Xiamen 361028
China

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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

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

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

ISO 80079-36:2016 Explosive atmospheres - Part 36: Non-electrical equipment for explosive atmospheres - Basic methods and requirements
Edition:1.0

ISO 80079-37:2016 Explosive atmospheres - Part 37: Non-electrical equipment for explosive atmospheres - Non electrical type of protection constructional safety "c", control of ignition source "b", liquid immersion "k"
Edition:1.0

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 Reports:

NO/PRE/ExTR14.0054/00
NO/PRE/ExTR14.0054/03

NO/PRE/ExTR14.0054/01

NO/PRE/ExTR14.0054/02

Quality Assessment Report:

NO/NEM/QAR13.0012/08



IECEx Certificate of Conformity

Certificate No.: **IECEx PRE 14.0056X**

Page 3 of 4

Date of issue: 2024-10-14

Issue No: 3

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

Valve actuator model QT250 without external gear and QT800 and QT2500 with an external gear. Electric step motor, internal gear, electronics and communication interfaces incorporated in a flameproof enclosure made of aluminium and terminals located in an increased safety compartment with threaded M20x1.5 holes for certified cable glands or blanking elements. The flameproof enclosure has two covers that are secured with ten special fasteners each. Connection between the flameproof enclosure and increased safety terminals is through a certified bushing. The actuator shall be installed to the valve with a flange according to ISO standard and instructions. There are three variants to each model and differ regarding to interface used, see below.

Type Designation: QTXXX Ex d <interface>

Applicable models: QT250 Ex d <interface>, QT800 Ex d <interface>, QT2500 Ex d <interface>

Interface variants: CANopen, DIGITAL or ANALOG.

Rated values:

Voltage 110 - 240 VAC 50/60 Hz

Power 130 W

Ambient temperature range: -25°C to +70°C

Warning markings:

"WARNING – DO NOT OPEN WHEN A HAZARDOUS ATMOSPHERE IS PRESENT"

"WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS"

Special conditions of use: To maintain the Ex protection the Instruction files which accompanies the product must be considered.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. To avoid electrostatic charging hazard, use only a damp cloth when cleaning the protective cover and to avoid contact charging due to manual operation use appropriate antistatic measures e.g. by grounding operators.
2. Mechanical properties for screws used for both covers shall be at minimum of A4-80.



IECEx Certificate of Conformity

Certificate No.: **IECEx PRE 14.0056X**

Page 4 of 4

Date of issue: 2024-10-14

Issue No: 3

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

New model QT2500 included