

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 16ATEX0083 X** Issue Number: **3**

(4) Product: **Electric Actuator, Type HQ-*******

(5) Manufacturer: **HKC Co., Ltd.**

(6) Address: **203, Gangchon-ro, Danwon-gu, Ansan-si, Gyeonggi-do, 15427 Republic of Korea**

(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/ExTR16.0061/03.

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

EN IEC 60079-0 : 2018

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: 24 July 2023

DEKRA Certification B.V.

L.G. van Schie
Certification Manager



(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 16ATEX0083 X**

Issue No. 3

(15) **Description**

Electric Actuator, type HQ-***** 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 more information see Annex 1 to report No. NL/DEK/ExTR16.0061/03.

Installation instructions

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

(16) **Report Number**

No. NL/DEK/ExTR16.0061/03.

(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.

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

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. NL/DEK/ExTR16.0061/03.

(20) **Certificate history**

Issue 0 - 510010300	initial certificate
Issue 1 - 510025100	Addition of 3 Phase motor for HQ-008/010 Addition of 12/24 V ac/dc rating Addition of communication protocols
Issue 2 - 510042500	Change of design and position of the nameplate.
Issue 3 - 510060200	New address applied due to the relocation of manufacturing site Addition of new type cover for Profibus/Modbus mode Assessment according to EN IEC 60079-0 : 2018. Minor modifications not relevant to Ex properties