



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 DEK 16.0042X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 3	Issue 2 (2020-04-14)
Date of Issue:	2023-07-24		Issue 1 (2018-11-21)
Applicant:	HKC Co., Ltd. 203, Gangchon-ro, Danwon-gu Ansan-si, Gyeonggi-do, 15427 Korea, Republic of		Issue 0 (2018-03-20)
Equipment:	Electric Actuator, Type HQ-*****		
Optional accessory:			
Type of Protection:	Ex db, Ex tb		
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:
(for printed version)

2023-07-24

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:

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





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Manufacturer: **HKC Co., Ltd.**
203, Gangchon-ro, Danwon-gu
Ansan-si, Gyeonggi-do, 15427
Korea, Republic of

Manufacturing locations: **HKC Co., Ltd.**
203, Gangchon-ro, Danwon-gu
Ansan-si, Gyeonggi-do, 15427
Korea, Republic of

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 60079-31:2013](#) 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/ExTR16.0061/03](#)

Quality Assessment Report:

[NL/DEK/QAR12.0070/08](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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 details about type designation and electrical data see Annex 1 to Report No. NL/DEK/ExTR16.0061/03.

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.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- New address applied due to the relocation of manufacturing site
- Addition of new type cover for Profibus/Modbus mode
- Assessment according to IEC 60079-0 : 2017 (Ed. 7)
- Minor modifications not relevant to Ex properties

Annex:

[510060200-Annex1.pdf](#)