



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

No.: 2021312307000247

Applicant Rotork Controls Inc
Address 5607 W. Douglas Avenue, Milwaukee, WI 53218, USA
Manufacturer Rotork Controls Inc
Address 5607 W. Douglas Avenue, Milwaukee, WI 53218, USA
Production Factory Rotork Controls Inc
Production Address 5607 W. Douglas Avenue, Milwaukee, WI 53218, USA
Product Compact Modulating Actuators
Model/Type CMQ-250, CMQ-500, CMQ-1000
Ex marking Ex db IIB T4 Gb, Ex tb IIIC T85°C Db
Reference Standards GB/T 3836.1-2021, GB/T 3836.2-2021, GB/T 3836.31-2021

Certification mode Type Test + Initial Factory Inspection + Post-Certification Surveillance

The product(s) is verified and certified according to CNCA-C23-01: 2019 *China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product* and CNEX-C2301-2019 *Guideline of China Compulsory Certification Implementation Rule on Explosion Protected Electrical Product*.

See Annex for the detailed product information (2 pages).

Initial issue date: 2021-12-14

Issued date: 2023-04-29

Valid to: 2026-12-13

The validity of this certificate is maintained through the regular supervision of the issuing authority during the validity period.

Where any discrepancy arises between the English translation and the original Chinese version, the Chinese version shall prevail.

Director:



Nanyang Explosion Protected Electrical Apparatus Research Institute Co.,Ltd.



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Product information:

1. This certificate covers the following models:

- CMQ-250, CMQ-500, CMQ-1000

Model	Size*	Min. Torque	Max. Torque	Speed	Shut off Torque
CMQ-250	1	11.3N·m	28.2N·m	5s/qtr-turn	42.3N·m
CMQ-500	2	22.6N·m	56.5N·m	7.5s/qtr-turn	84.8N·m
CMQ-1000	3	45.2N·m	113.0N·m	11s/qtr-turn	169.5N·m

*Note: "Size" refers to performance aspects of the equipment; some Sizes are physically the same.

Ratings:

12 V DC, 50 Watt maximum, or

24 V DC or 110...240 V AC, single phase, 50/60 Hz, 540 Watt maximum

Operating temperature range:

For Standard Seals : Ta = -20°C to +65°C (Standard Version)

Ta = -20°C to +60°C (UPS/HMI and HMI Versions)

For Low Temperature Seals : Ta = -40°C to +60°C (All Versions)

Ingress protection: IP67

Ex marking: Ex db IIB T4 Gb, Ex tb IIIC T85°C Db

- Producers should organize production in accordance with the technical documents approved by the certification body.

Issued date: 2023-04-29

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2. Specific conditions of safety use:

- The critical dimensions of the flamepaths relevant to the product are not same with values specified in Clause 5.1 of GB/T 3836.2-2021, contact the manufacturer for information on the dimensions of the flameproof joints.
- Warning:
 - The equipment has a non-metallic coating and has a potential static hazard. Clean only with a damp cloth.
 - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.
- The screws securing the outer window frame contribute to the integrity of the flameproof enclosure and must not be removed.
- The end user shall select CCC certified cable glands with Ex marking Ex db IIB Gb and ingress protection level no less than the actuator. The cable gland shall be installed and maintained according to the instruction manual.
- See instruction for other information.

3. Certificate related report(s):

- Type test report: CQST2110C025, CQST2110C025/01
- Factory inspection report: CN2021Q010593

4. Certificate change information:

- 1st change on April 29, 2023: Updated the standards for certification.

Issued date: 2023-04-29

Director:



Nanyang Explosion Protected Electrical
Apparatus Research Institute Co.,Ltd.

