



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 CNEX 18.0035X

Issue No: 0

Certificate history:

Issue No. 0 (2018-10-09)

Status: **Current**

Page 1 of 3

Date of Issue: **2018-10-09**

Applicant: **Warom Technology Incorporated Company**
No. 555# Baoqian Road, Jiading, Shanghai
China

Equipment: **Explosion-proof Motor Starters model BQD**
Optional accessory:

Type of Protection: **db, tb**

Marking:
Ex db IIB T6/T5 Gb
Ex tb IIIC T80°C/T95°C Db

Approved for issue on behalf of the IECEX
Certification Body:

Wu Jianguo

Position:

Certification Officer

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.

Certificate issued by:

CNEX-Global B.V.
Utrechtseweg 310-B38,
6812AR, Arnhem
The Netherlands





IECEX Certificate of Conformity

Certificate No: IECEX CNEX 18.0035X

Issue No: 0

Date of Issue: 2018-10-09

Page 2 of 3

Manufacturer: **Warom Technology Incorporated Company**
No. 555# Baoqian Road, Jiading, Shanghai
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 : 2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*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:

NL/CNEX/EXTR18.0045/00

Quality Assessment Report:

CN/CQM/QAR07.0003/07



IECEX Certificate of Conformity

Certificate No: IECEx CNEX 18.0035X

Issue No: 0

Date of Issue: 2018-10-09

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

These flameproof Motor Starters model BQD consist of a flameproof enclosure made of aluminum alloy. They consist of a body and a cover. The covers are fitted with separately certified flameproof switches, indicating lights and push buttons. These Motor Starters are constructed in type of explosion protection flameproof enclosure 'db' for explosive gas atmospheres, as well as in type of explosion protection by enclosure 'tb' for dust atmospheres.

For nomenclature and further details, see the Annex to this certificate.

Additional Information:

The enclosure of the Explosion-proof Motor Starters model BQD, successfully passed the tests for the Ingress Protection level IP66 to IEC 60529.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The ambient temperature range is limited to -60°C ... +50°C which is suitable for temperature group T6/T80°C. The ambient temperature range is limited to -60°C ... +60°C which is suitable for temperature group T5/T95°C.

The width of flameproof joints is more than the minimum values specified in IEC 60079-1 standard. If needed, repair of the flameproof joints must only be made in compliance with the structural specifications provided by the manufacturer.

IECEX certified cable glands and stopping plugs must be applied, rated minimum IP66, suitable for the conditions of use and correctly installed.

Use only cables suitable for ambient temperatures greater than 80°C.

Annex

P18065IA-CC IECEx CNEX 180035X Annex.pdf



Annex to Certificate IECEx CNEX 18.0035X issue 0

Equipment or Protective System: Explosion-proof Motor Starters model BQD
Manufacturer: Warom Technology Incorporated Company
Address: No. 555# Baoqian Road, Jiading, Shanghai, P.R. China

Nomenclature for model BQD-a/b/c/d

- BQD - Explosion-proof Motor Starters
- a - Control power (kW)
- b - Rated current of the circuit breaker (A)
- c - Setting current of the thermal relay (A)
- d - N= reversible control (optional))

Electrical Data:

Starter Type	Rated voltage (V)	Control power (kW)	Rated current of circuit breaker (A)	Setting current of thermal relay (A)
BQD-4/16/7...10 BQD-4/16/7...10/N	380/400 Vac 50/60 Hz	4	16	7...10
BQD-5.5/20/9...13 BQD-5.5/20/9...13/N	380/400 Vac 50/60 Hz	5.5	20	9...13
BQD-7.5/25/12...18 BQD-7.5/25/12...18/N	380/400 Vac 50/60 Hz	7.5	25	12...18
BQD-11/32/16...24 BQD-11/32/16...24/N	380/400 Vac 50/60 Hz	11	32	16...24
BQD-15/40/23...32 BQD-15/40/23...32/N	380/400 Vac 50/60 Hz	15	40	23...32
BQD-18.5/50/30...38 BQD-18.5/50/30...38/N	380/400 Vac 50/60 Hz	18.5	50	30...38
BQD-22/63/37...50 BQD-22/63/37...50/N	380/400 Vac 50/60 Hz	22	63	37...50

Mounting Instructions:

See manufacturer's instructions.

Installation Instructions:

See manufacturer's instructions.

Certification Body: CNEX-Global B.V., Utrechtseweg 310-B38, 6812 AR, Arnhem, the Netherlands

This Annex may only be reproduced in its entirety and without any change



Annex to Certificate IECEx CNEX 18.0035X issue 0

Routine Tests:

The flameproof enclosures of the Motor Starters shall be submitted to a routine overpressure test during 10 seconds, according to IEC 60079-1 clause 16.1, as follows:

Model:	Pressure:
BQD-4, BDQ-5.5, BQD-7.5	1.03 MPa
BQD-11, BQD-15, BQD-18.5, BQD-22	1.19 MPa

Descriptive Documents:

Detailed in the Test Report Cover document. (ref. CQST/ExTR1807G006)

This Annex may only be reproduced in its entirety and without any change