



# 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](http://www.iecex.com)

Certificate No.: IECEx CNEX 18.0034X

Issue No: 0

Certificate history:

Issue No. 0 (2018-10-11)

Status: Current

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Date of Issue: 2018-10-11

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

Equipment: Explosion-proof Motor Switches model BLK  
Optional accessory:

Type of Protection: db, tb

Marking:

Ex db IIB T6 Gb

Ex tb IIIC T80°C Db

Approved for issue on behalf of the IECEx  
Certification Body:

Wu Jianguo

Position:

Certification Manager

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

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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/ExTR18.0044/00

### Quality Assessment Report:

CN/CQM/QAR07.0003/07





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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

This flameproof Motor Switches model BLK are made of aluminum alloy. They consist of a body, cover and metal operating handle assembly. These Motor Switches are constructed in type of explosion protection flameproof enclosure 'db' for explosive gas atmospheres, as well as in type of explosion protection 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 Switches model BLK. 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 ... +60°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.

### Annex:

P18064IA-CC IECEx CNEX 180034X Annex.pdf



## Annex to Certificate IECEx CNEX 18.0034X issue 0

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

### Nomenclature for model BLK-a/b/c/d

- BLK - Explosion-proof Motor Switches
- a - Enclosure type (63, 160, 250)
- b - Number of poles (1P, 2P, 3P, 4P)
- c - Rated current (A)
- d - L= electric leakage protection (optional))

### Electrical Data:

**Rated voltage** ..... : BLK-63: 440 Vac, 50 Hz or 60 Hz max.  
BLK-160: 690 Vac, 50 Hz or 60 Hz, 500 Vdc max.  
BLK-250: 690 Vac, 50 Hz or 60 Hz, 500 Vdc max.  
**Rated current** ..... : BLK-63: 16/32/63 A  
BLK-160: 80/100/125/160 A  
BLK-250: 200/250 A

### Mounting Instructions:

See manufacturer's instructions.

### Installation Instructions:

See manufacturer's instructions.

### Routine Tests:

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

Model:	Pressure:
BLK-63/□/□/□	1.23 MPa
BLK-160/□/□/□	1.28 MPa
BLK-250/□/□/□	1.19 MPa

### Descriptive Documents:

Detailed in the Test Report Cover document. (ref. CQST/ExTR1807G003)

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

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