



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 CQM 14.0033X issue No.: 1

Certificate history:

Issue No. 1 (2015-6-29)

Issue No. 0 (2014-7-17)

Status: Current

Date of Issue: 2015-06-29

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Applicant: **Warom Technology Incorporated Company**
No. 555, Baoqian Road, Jiading District, Shanghai,
201808
China

Electrical Apparatus: **Explosion-proof Illumination (Power) Distribution Boxes BXM(D)8050-series**
Optional accessory:

Type of Protection: **Flameproof enclosure "d", Increased safety "e", Protection by enclosure "t"**

Marking: Ex d e IIC T5 Gb ($-20^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$)
Ex d e IIC T4 Gb ($-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$)
Ex tb IIIC T80°C Db ($-20^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$)

Approved for issue on behalf of the IECEx
Certification Body:

Zhang Wei

Position:

President

Signature:
(for printed version)

Date:

2015-06-29

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

Certificate issued by:

China Quality Mark Certification Group Co., Ltd.
No. 33 Zengguang Road, Haidian District,
Beijing City, Postal code: 100037
China





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Manufacturer: **Warom Technology Incorporated Company**
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201808
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 electrical 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 : 2011 Edition: 6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2007-04 Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2008 Edition: 1	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure 't'
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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:
CN/CQM/ExTR14.0039/00

CN/CQM/ExTR14.0039/01

Quality Assessment Report:

CN/CQM/QAR07.0003/05



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

The distribution box is of flameproof and increased safety explosion-proof structure.

The enclosure is pressed by SMC-2 glass fiber reinforcement unsaturated polyester resin and is of increased safety structure. The enclosure and cover is of labyrinth structure and are equipped with sealing strip and O-sealing ring. Degree of protection is IP66.

The distribution box adopts modularized design, which can be combined freely; built in CTS and CGT series terminals (Ex-mark: Ex e II Gb), BD8050 explosion-proof indicator (Ex-mark: Ex d e IIC Gb) and BL8060 explosion-proof circuit breaker modules (Ex-mark: Ex d e IIC Gb) and BL8060-d explosion-proof circuit breaker modules (Ex-mark: Ex db IIC Gb) which are separately IECEx certified.

The inlet and outlet of distribution box is equipped with plastic plug and explosion-proof cable gland is needed for on-site using.

Rating

230/440/690V AC,

≤63A, 80A, 100A, 125A, 160A (Main switch Current),

1A, 2A, 4A, 6A, 10A, 16A, 20A, 25A, 32A, 40A, 50A, 63A (Sub-circuit current)

CONDITIONS OF CERTIFICATION: YES as shown below:

1. Service ambient temperature: -20°C~+40°C/+55°C.
2. When application, the earthing is well.
3. When assembly, operation and maintenance, the operator should follow the requirements of the BXM(D)8050-series Explosion-proof Illumination (Power) Distribution Boxes Instruction.
5. The entries shall be equipped with Ex certified cable glands with a compatible mode of protection for the intended use.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

- 1 Update current of main circuit 63A to be 160A.
- 2 Update branch circuit current 10A to be 63A.
- 3 Add "Ex db IIC Gb" BL8060-d Explosion-proof circuit breaker modules (Ex components).