



# 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 CQM 11.0042X

Issue No: 2

Certificate history:

Status: **Current**

Issue No. 2 (2018-01-26)

Date of Issue: **2018-01-26**

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Issue No. 1 (2013-08-16)

Issue No. 0 (2011-12-07)

Applicant: **Warom Technology Incorporated Company**  
No. 555, Baoqian Road, Jiading District, Shanghai  
Postal code: 201 808  
**China**

Equipment: **Explosion-proof Illumination (Power) Distribution Box BXM (D) 53 Series**

Optional accessory:

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

Marking:

Ex db eb IIC T6...T5 Gb  
Ex tb IIIC T80°C Db IP66  
-40°C ≤ Tamb ≤ +55°C

Approved for issue on behalf of the IECEx  
Certification Body:

Ji Xiaodong

Position:

President

Signature:  
(for printed version)

Date:

2018-01-26

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: 100048  
**China**







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Manufacturer: **Warom Technology Incorporated Company**  
No. 555, Baoqian Road, Jiading District, Shanghai  
Postal code: 201 808  
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<br>Edition:6.0    | Explosive atmospheres - Part 0: General requirements                                 |
| IEC 60079-1 : 2014-06<br>Edition:7.0 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"    |
| IEC 60079-31 : 2013<br>Edition:2     | Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t" |
| IEC 60079-7 : 2006-07<br>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/ExTR11.0047/00

CN/CQM/ExTR11.0047/01

CN/CQM/ExTR11.0047/02

### Quality Assessment Report:

CN/CQM/QAR07.0003/07





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## Schedule

### EQUIPMENT:

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

### General product information:

The enclosure of explosion-proof distribution box is made of aluminum alloy. It includes a bus-bar chamber assembly, a wiring outlet compartment assembly and up to 6 switch compartments. The switch compartment and the main switch compartment are designed to the type of protection of flameproof enclosure "db" and protection by enclosures "tb". The other compartments are designed to the type of protection of increased safety "eb" and protection by enclosures "tb". The flameproof compartments accommodate switches and the increased safety compartment accommodates ZS terminal blocks. The ZS terminal blocks are certified under LCIE 08 ATEX 0007U ISSUE 05/IECEx LCI 08.0031U ISSUE 7.

Several boxes can be combined with each other. Epoxy resin is used for sealing between the flameproof compartment and the increased safety compartment. The unused holes are closed by the stopping plugs which are certified under LCIE 09 ATEX 3040U ISSUE 02/IECEx LCIE 15.0070U ISSUE 0.

### Rating

Rated voltage: Max 690VAC

Rated current: up to 200A; Branch circuit current: up to 63A

Rated current: up to 100A; Branch circuit current: up to 32A

Temperature class: T5 for rated current: up to 200A; T6 for rated current: up to 100A;

Max. surface temperature: T80°C for rated current: up to 200A.

For details, see attachment.

### SPECIFIC CONDITIONS OF USE: YES as shown below:

1.  $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$ ;
2. The flameproof joints cannot be repaired.



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

1. Ambient temperature is changed from  $-20^{\circ}\text{C} \leq T_a \leq +53^{\circ}\text{C}$  to  $-40^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$ .
2. Standards are updated to IEC 60079-0:2011, IEC 60079-1:2014, IEC 60079-31:2013.
3. Degree of protection by enclosures is changed from IP65 to IP66.
4. The handle is changed.
5. Terminal is changed.
6. The indicator is deleted.
7. The supplier of cement E44 is changed.
8. Datasheet of VMQ is changed.
9. The maximum main circuit current is changed from 250A into 200A.

## Annex:

[IECEx CQM 11.0042X 02 Attachment.pdf](#)





# Attachment to Certificate

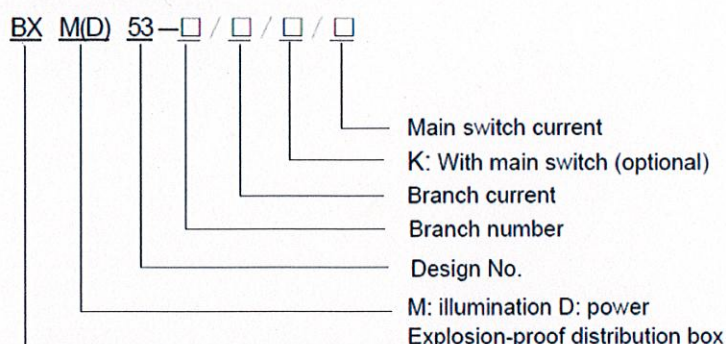
IECEX CQM 11.0042X issue No.: 2

**Applicant: Warom Technology Incorporated Company**

No. 555, Baoqian Road, Jiading District, Shanghai, Postal code: 201808, China

**Electrical equipment:**

Explosion-proof illumination(power) distribution boxes BXM(D) 53 series

**Description of equipment:****1. Nomenclature:****2. The certificate includes the following types:**

| Type              | Marking   | Type              | Marking   |
|-------------------|---|-------------------|---|
| BXM53-4/32        | Ex db eb II C T6 Gb<br>Ex tb IIIC T80°C Db IP66 | BXD53-4/63        | Ex db eb II C T5 Gb<br>Ex tb IIIC T80°C Db IP66 |
| BXM53-6/32        |   | BXD53-6/63        |   |
| BXM53-8/32        |   | BXD53-8/63        |   |
| BXM53-10/32       |   | BXD53-10/63       |   |
| BXM53-12/32       |   | BXD53-12/63       |   |
| BXM53-4/32/K/63   |   | BXD53-4/63/K/125  |   |
| BXM53-6/32/K/63   |   | BXD53-6/63/K/125  |   |
| BXM53-8/32/K/80   |   | BXD53-8/63/K/160  |   |
| BXM53-10/32/K/100 |   | BXD53-10/63/K/200 |   |
| BXM53-12/32/K/100 |   | BXD53-12/63/K/200 |   |