



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 13.0032X issue No.: 0 Certificate history:

Status: Current

Date of Issue: 2013-08-26 Page 1 of 3

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

Electrical Apparatus: **Terminal box BXJ-e series**
Optional accessory:

Type of Protection: **Increased safety "e", Protection by enclosure "t", Intrinsic safety "i"**

Marking: Ex e IIC T6 or T5 Gb
T6: $-50^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$, T5: $-50^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$
Ex tb IIC T80°C Db IP66
Ex ib IIC T6 Gb
 $-50^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$

Approved for issue on behalf of the IECEx
Certification Body:

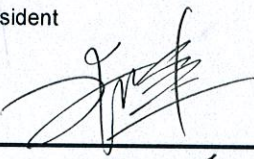
Zhang Wei

Position:

President

Signature:
(for printed version)

Date:


2013-08-26

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: 100037
China





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Manufacturer: **Warom Technology Incorporated Company**
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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 : 2007-10 Edition: 5	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-11 : 2006 Edition: 5	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
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/ExTR13.0048/00](#)

Quality Assessment Report:
[CN/CQM/QAR07.0003/04](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

The BXJ-e series terminal box is comprised of an enclosure and an cover, both are manufactured from aluminium alloy. Terminals and a rail are installed in the compartment. The entry holes are blocked by suitable plugs. When cables or conductors go into the box and are connected to the terminal in the box, only suitably certified cable glands and blanking plugs can be used. For increased safety terminal box, the terminals were certified by under certificate No.: IECEx KEM 06.0014U and KEMA 97ATEX1798U. The insulating material of the terminals is KrG. For the increased safety box, the terminals installed were certified under IECEx KEM 06.0014U. For intrinsic safety terminal box, the terminals installed were certified under LCIE 02 ATEX 0014U/02.

Rating

Rated voltage: 690VAC and below, For intrinsic safety terminal box: rated current: 5A.

The type, maximum dissipated power, current, the tightening torque and the section of conductor are following:

Section of conductor	2.5mm ²	4mm ²	6mm ²	10mm ²	16mm ²	35mm ²		
Type of terminal	SAK2.5 EN	SAK4 EN	SAK6 EN	SAK10 EN	SAK16 EN	SAK35 EN		
Terminal current	20A	28A	35A	45A	60A	100A		
Tightening torque	0.6Nm	1.0Nm	1.6Nm	3.0Nm	4.0Nm	5.0Nm		
Maximum Dissipated Power	model							
	BXJ-e-I	BXJ-e-II	BXJ-e-III	BXJ-e-IV	BXJ-e-V	BXJ-e-VI	BXJ-e-VII	BXJ-e-VIII
	7.83W	11.81W	8.60W	10.63W	11.34W	24.68W	20.44W	23.75W

CONDITIONS OF CERTIFICATION: YES as shown below:

1 This terminal box for intrinsic safety is a simple apparatus, when it form part of an equipment containing other electrical circuits, the whole shall be assessed according to the requirements of IEC 60079-11.