



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 QCM 15.0061X Issue No: 0 Certificate history:
Status: Current Page 1 of 3 Issue No. 0 (2016-03-11)
Date of Issue: 2016-03-11
Applicant: **Warom Technology Incorporated Company**
No.555, Baoqian Road, Jiading, Shanghai
Postal code: 201 808
China
Electrical Apparatus: **Explosion-proof Junction Boxes BHD91 Series**
Optional accessory:
Type of Protection: **Flameproof enclosures "d", Protection by enclosure "I"**
Marking:
Ex db IIC T6 Gb
Ex tb IIC T80°C Db IP66
-60°C ≤ Tamb ≤ +60°C

Approved for issue on behalf of the IECEx
Certification Body:

Ji Xiaodong

Position:

General Manager

Signature:
(for printed version)

Date:

2016-03-11

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**
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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 : 2011

Edition:6.0

Explosive atmospheres - Part 0: 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:

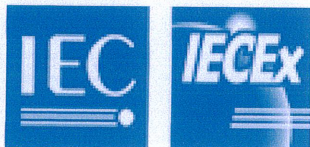
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

CN/CQM/ExTR15.0092/00

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

BHD91 Series explosion-proof junction boxes consist of enclosure, cover, built-in guide rail and terminals etc.. Enclosure is die-casting formed of ENAC-AISi12(b) (ZL102) aluminum alloy, of which the content of Mg, Ti and Zr is not more than 7.5%. The minimum thickness of enclosure is equal or more than 6 mm, with high pressure electrostatic plastic-sprayed surface which has high corrosion-proof capability. Flameproof threads connect the cover and enclosure, which is equipped with stop screw. The effective engaged threads number is equal or more than 6. There are four kinds of outline code: A, B, C and D. The side of enclosure can be equipped with inlet and outlet. Cable can enter box and connect to terminal via cable entry device. Both steel pipe wiring and cable wiring are available for this product. Earthing screws are equipped both inside and outside the enclosure, which should be reliably earthing. Inlet and outlet thread specifications are NPT thread and ISO Standard Metric thread. The inlet and outlet of junction box are equipped with plugs, explosion-proof cable gland is needed for on-site using which have obtained the IECEx certificate (Ex-mark: Ex db IIC Gb / Ex tb IIC Db IP66)

Rating

Max.500VAC, Max.41A

CONDITIONS OF CERTIFICATION: YES as shown below:

1. Repair of the threaded joints must be made in compliance with the structural specifications provided by the manufacturer.
2. The entry shall be equipped with Ex certified cable glands with a compatible mode of protection for the intended use.