



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx LCI 08.0008X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 2 Issue 1 (2015-09-07)
Date of Issue: 2020-10-14 Issue 0 (2008-02-04)
Applicant: **Warom Technology Incorporated Company**
No.555 Baoqian Road
Jiading, Shanghai
201808, P.R. of China
China
Equipment: **Explosion-proof illumination switch - Type : BZM-16 and BZM-25**
Optional accessory:
Type of Protection: **Ex db and Ex tb**
Marking: Ex db IIC T6 Gb
Ex tb IIIC T80°C Db
IECEx LCI 08.0008X
(Refer to attachment for full marking)

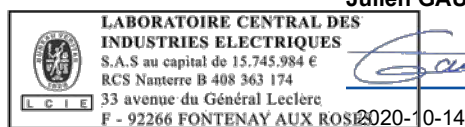
Approved for issue on behalf of the IECEx
Certification Body:

Certification Officer

Position:

Julien GAUTHIER

Signature:
(for printed version)



Date:

2020-10-14

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 www.iecex.com or use of this QR Code.



Certificate issued by:

Laboratoire Central des Industries Electriques (LCIE)
33 Avenue du General Leclerc
Fontenay-aux-Roses FR-92260
France





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Date of issue: 2020-10-14

Issue No: 2

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

Additional
manufacturing
locations:

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 equipment 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 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

This Certificate **does not** indicate compliance with 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 Reports:

[FR/LCI/ExTR08.0010/00](#)

[FR/LCIE/ExTR15.0092/00](#)

[FR/LCIE/ExTR20.0083/00](#)

Quality Assessment Report:

[CN/CQM/QAR07.0003/09](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

This product is an explosion-proof illumination switch with a flameproof enclosure. The enclosure comprises a shell body and a shell cover manufactured in cast aluminium. It houses a built-in combined switch. The two holes for cable entries are closed by plugs.

ROUTINE VERIFICATIONS AND TESTS :

According to clause 16.1.1 of standard IEC 60079-1, each apparatus shall be submitted to an overpressure test under 13.5 bars during minimum 10 seconds.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- Repair of the flameproof joints must only be made in compliance with the structural specifications provided by the manufacturer. Repair must not be made on the basis of values specified in table 4 of IEC 60079-1:2014 standard.
- The entry shall be equipped with Ex certified cable glands or blanking elements with a compatible mode of protection for the intended use.
- When assembly, operation and maintenance, the operator should follow the requirements of IEC 60079-14 standard, beside of the instructions manual.
- Repair and overhaul shall comply with the IEC 60079-19 standard.
- Use fasteners with yield stress $\geq 450\text{MPa}$.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 00:

- Initial issue according to IEC 60079-0, Ed.4.0 and IEC 60079-1, Ed.5 standards.

Issue 01:

- Normative update according to IEC 60079-0, Ed.6 and IEC 60079-1, Ed.6 standards.
- Addition of protection mode "t" according to IEC 60079-31, Ed.1 standard.
- Change of manufacturer name "Warom Group Co, LTD" to "Warom Technology Incorporated Company".
- Change of rated voltage from 230VAC to 250VAC.
- Change of ambient temperature range from -20°C +40°C to -60°C +60°C.

Issue 02:

- Normative update according to IEC 60079-0, Ed.7, IEC 60079-1, Ed.7 and IEC 60079-31, Ed.2 standards.
- Update of the Ex marking: Ex d becomes Ex db.
- Updating of drawings.

Annex:

[Annex 01 to Certificate IECEx LCI 08.0008X issue 02_1.pdf](#)

MARKING

Warom Technology Incorporated Company

Address : ...

Type: BZM-16, BZM-25

Serial number : ...

Year of construction:

Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

-60°C ≤ Ta ≤ +60°C

IECEx LCI 08.0008X

WARNING – DO NOT OPEN WHEN ENERGIZED.

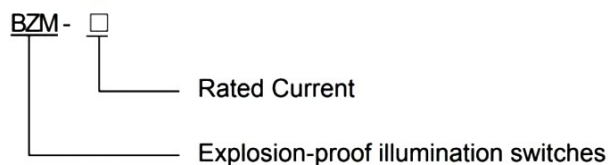
THE SPECIFIC THREAD TYPE AND SIZE OF ENTRY: M25x1.5 OR NPT 3/4.

WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS.

RANGE DETAILS

There are 2 models BZM-16 and BZM-25, depending on the current rating: 16A or 25A.

Model implication:



RATINGS

Rated voltage: Max. 250V AC

Rated current: 16A or 25A

APPARATUS OVERVIEW

