



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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEx CQM 24.0010U**

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[Certificate history:](#)

Status: **Current**

Issue No: 0

Date of Issue: **2024-04-10**

Applicant: **WAROM TECHNOLOGY INCORPORATED COMPANY**
No. 555, Baoqian Road, Jiading District, Shanghai 201808
China

Ex Component: **Empty Enclosure typed BX-e/□□**

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Increased safety "eb" and Dust ignition protection by enclosure "tb"**

Marking: **Ex eb IIC Gb**

Ex tb IIIC Db

Approved for issue on behalf of the IECEx
Certification Body:

Ji Xiaodong

2024. 4. 10

Position:

President

Signature:
(for printed version)

Date:
(for printed version)

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:

China Quality Mark Certification Group Co., Ltd.
No. 33 Zengguang Road, Haidian District
Beijing City, Postal code: 100048
China

CQM
China Quality Mark



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Manufacturing locations: **WAROM TECHNOLOGY
INCORPORATED COMPANY**
No. 555, Baoqian Road, Jiading
District, Shanghai 201808
China

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 component 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 60079-31:2022 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

IEC 60079-7:2017 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

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 component listed has successfully met the examination and test requirements as recorded in:

Test Report:

[CN/CQM/ExTR24.0014/00](#)

Quality Assessment Report:

[CN/CQM/QAR07.0003/12](#)



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Ex Component(s) covered by this certificate is described below:

This enclosure is welded from Q235, 304, or 316L. And the surface of Q235 is treated with surface coating , the surface of stainless steel is polished and brushed processing, providing strong corrosion resistance. The product is an "Ex" component. Users can select the type based on their specific requirements and the manufacturer can customize openings for surface mounting Ex component and the enclosure is also suitable for internal mounting Ex component. IP66 are fulfilled according to IEC 60529.

Nomenclature:

BX-e/□□,

The first □ indicates enclosure material: II means carbon steel, III means stainless steel

The second □ indicates product number: number from 001 to 037

Range of dimension:

Length: Min. 150mm, Max. 1800mm

Height: Min. 170mm, Max. 2000mm

Depth: Min. 110mm, Max. 800mm

Refer to the instruction manual for detail information of dimensions

SCHEDULE OF LIMITATIONS:

1. Service temperature: -60°C~ +110°C.
2. When the product is installed in explosive gas atmosphere, separated certified cable glands or blanking elements fulfil requirements of IEC 60079-0:2017 and IEC 60079-7: 2015 with Ex marking Ex eb IIC Gb, IP66 shall be incorporated.
3. When the product is installed in combustible dust atmosphere, separated certified cable glands or blanking elements fulfil requirements of IEC 60079-0:2017 and IEC 60079-31:2022 with Ex marking Ex tb IIIC Gb, IP66 shall be incorporated.
4. For product with surface coating, measures shall be taken to avoid electrostatic accumulation when it is used in an environment of combustible dust.
5. The Ex component enclosure is not intended for mains connection which is intended to interrupt fault current above 10 kA in combustible dust atmosphere.