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 CQM 25.0024X**

Certificate history:
Issue 0 (2025-07-20)

Status: **Current**

Issue No: 1

Date of Issue: 2025-09-02

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

Equipment: **Explosive-proof optical fiber box typed BXJ93-*/***

Optional accessory:

Type of Protection: **Flameproof enclosure "db", Increased safety "eb", Optical radiation protection "op pr", Dust ignition protection by enclosure "tb"**

Marking: Ex op pr II C T6 Gb (Without heater)

Ex op pr tb IIIC T80°C Db (Without heater)

Ex db eb op pr II C T5 Gb (With heater)

Ex op pr tb IIIC T95°C Db (With heater)

Approved for issue on behalf of the IECEx Certification Body: **Ji Xiaodong**

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

China Quality Mark

IECEx Certificate of Conformity

Certificate No.: **IECEx CQM 25.0024X**

Date of issue: 2025-09-02 Issue No: 1

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

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 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 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

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

Test Reports:

CN/CQM/ExTR25.0023/00 CN/CQM/ExTR25.0023/01

Quality Assessment Report:

CN/CQM/QAR07.0003/13

IECEx Certificate of Conformity

EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The explosion-proof optical fiber box is capable of facilitating connections between different optical fibers, thereby ensuring the seamless transmission of signals. The enclosure is made by welding of stainless-steel sheets (SS304, SS316, SS316L). The enclosure is categorized into five types - Ⅰ, Ⅱ, ⅡB, and Ⅲ, ⅢB based on its size. It employs silicone rubber sealing strips, which offer ingress protection properties, resulting in an overall waterproof and dust proof performance rated at IP66. Inside the enclosure, there are optical fiber trays. It is optional to be installed with explosion-proof heater and explosion-proof temperature switch. When the explosion-proof heater and explosion-proof temperature switch are installed, separated certified increased safety terminals are used for wiring The sides of the box are equipped with inlets and outlets for optical and electrical cables, which are introduced into the box via an introduction device for connection.

Ratings:

AC230V 50/60Hz (With heater)

Refer to the attachment for details of nomenclature, technical parameters and list of separated certified components.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The ambient temperature is -60°C ~+50°C/+60°C.
2. Separated certified cable gland and blanking element with proper type of protection shall be used when the equipment is installed in the hazardous area.
3. WARNING –DO NOT OPEN WHENEXPLOSIVE ATMOSHPERE MAY BE PRESENT.
4. WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD-SEE INSTRUCTIONS.

IECEx Certificate of Conformity

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. Remove the specified certificate information for blanking element and modify the specific condition of use accordingly.
2. Update standards information of certificate IECEx EPS 16.0048X for heater and IECEx EPS 16.0054X for temperature switch.

Annex:

IECEx_CQM_25.0024X attachment_1.pdf

Attachment to CoC

IECEx CQM 25.0024X issue 1

Manufacturer:

Warom Technology Incorporated Company

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

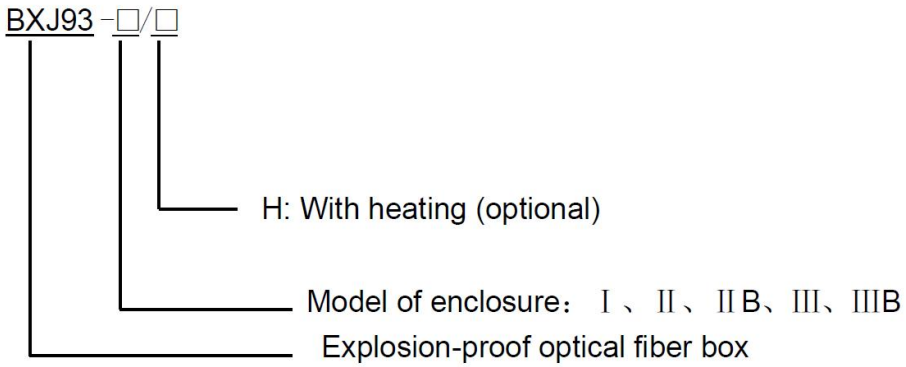
Electrical equipment:

Explosive-proof optical fiber box typed BXJ93-*/*

Ratings:

AC230V 50/60Hz (With heater)

Nomenclature:



Main technical parameters:

Table 1 Parameters of explosion-proof optical fiber box

Case model	Voltage	Ambient temperature	Fiber count	Max. Power consumption (W)	Ex Marking
BXJ93-I	/	-60°C~+60°C	48	0.4	Ex op pr ⅡC T6 Gb Ex op pr tb ⅢC T80°C Db
BXJ93-II			96	0.8	
BXJ93-IIB			192	1.6	
BXJ93-III			144	1.2	
BXJ93-IIIB			288	2.4	
BXJ93-II/H	AC230V 50/60Hz	-60°C~+50°C	96	74.8	Ex db eb op pr ⅡC T5 Gb Ex op pr tb ⅢC T95°C Db
BXJ93-ⅡB/H			192	75.6	
BXJ93-Ⅲ/H			144	75.6	
BXJ93-ⅢB/H			288	76.4	

Attachment to CoC

IECEx CQM 25.0024X issue 1

List of separated certified components:

Components	Manufacturer	Type	Certificate	Standards
Explosion-proof terminal block	Warom	TC8050*	IECEx CQM 21.0007U	IEC 60079-0:2017 IEC 60079-7:2017
Convection type heater	STEGO France SAS	CREx02041.0-xx CREx02042.0-xx CREx02051.0-xx CREx02052.0-xx	IECEx EPS 16.0048X	IEC 60079-0:2017 IEC 60079-1:2014 IEC 60079-31:2022
Temperature switch	STEGO France SAS	REx 011	IECEx EPS 16.0054X	IEC 60079-0:2017 IEC 60079-1:2014 IEC 60079-31:2013(1)

Note 1: The difference between the standards for temperature switch and the standards for this product does not invalidate the conformity of the optical fiber box.