



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 24.0021X	Page 1 of 4	<u>Certificate history:</u>
Status:	Current	Issue No: 1	Issue 0 (2024-05-16)
Date of Issue:	2025-11-12		
Applicant:	WAROM TECHNOLOGY INCORPORATED COMPANY No. 555, Baoqian Road, Jiading District, Shanghai 201808 China		
Equipment:	Explosion-proof high-voltage junction box typed BXJ91-□/□/□		
Optional accessory:			
Type of Protection:	Increased safety "e" , Dust ignition protection by enclosure "t"		
Marking:	Ex eb IIC T6...T4 Gb Ex ec IIC T6...T4 Gc Ex tb IIIC T80°C Db		

Approved for issue on behalf of the IECEx
Certification Body:

Ji Xiaodong

Position:

President

Signature:
(for printed version)

Date:
(for printed version)

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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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Date of issue: 2025-11-12

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

WAROM TECHNOLOGY MENA FZCO
Plot, S10103, Jebal Ali South, Jebal Ali Freezone
DUBAI PO Box: 263667
United Arab Emirates

WAROM TECHNOLOGY ARABIA INDUSTRIAL LLC
Building No. 4443, Ibn Sina Street, 1st Industrial District
Dammam 32234
Saudi Arabia

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 60079-31:2022](#) 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 Report:

[CN/CQM/ExTR24.0042/00](#)

Quality Assessment Report:

[CN/CQM/QAR07.0003/14](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The BXJ91 series explosion-proof high-voltage junction box consists of an enclosure, one or two covers, a mounting plate and copper bars. The enclosure can be made of Q235, 304 or 316L. The surface of Q235 is treated with surface coating and the surface of stainless steel is polished and brushed processing, providing strong corrosion resistance. It fulfills the requirements of IP66 according to IEC 60529. Inside the enclosure, there are copper bars and high-voltage insulators. It is equipped with inlet and outlet ports for cable entry, where cables are introduced into the box and connected to the copper bars. Grounding screws are provided both inside and outside the enclosure which dimensions of groundings are various according to the phase wires.

BXJ91 series explosion-proof high-voltage junction box is suitable for Group IIC, Zone 1 and Zone 2 hazardous locations containing explosive gas or vapour with temperature classes of T1...T6, as well as Group IIIC, Zone 21 and Zone 22 hazardous locations of combustible dust environments.

Refer to attachment for details of nomenclature and electrical parameters.

SPECIFIC CONDITIONS OF USE: YES as shown below:

Refer to the attachment for details.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Change the location of WAROM TECHNOLOGY MENA FZCO and additional manufacturing Location WAROM TECHNOLOGY ARABIA INDUSTRIAL LLC is added.

Annex:

[IECEx_CQM_24.0021X_001.pdf](#)



Attachment to CoC

IECEx CQM 24.0021X Issue 1



Applicant:

Warom Technology Incorporated Company

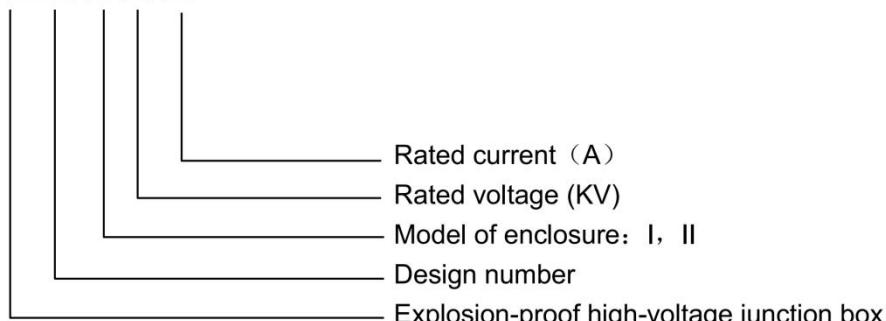
Address: No.555, Baoqian Road, Jiading, Shanghai, 201808, PRC

Electrical equipment:

Explosion-proof high-voltage junction box typed BXJ91-□/□/□

Nomenclature:

BXJ91-□/□/□



Details of Electrical Parameters:

Ex-mark	Rated voltage(kV)	Safe carrying capacity (A)	Ingress protection
Ex eb IIC T6/T5/T4 Gb Ex tb IIIC T80°C Db	≤11KV AC	I _N ≤800	IP66
Ex ec IIC T6/T5/T4 Gc Ex tb IIIC T80°C Db	≤15KV AC		

Conductor (mm ²)	Safe carrying capacity (A)	Temp. Class	
		-60°C≤Ta≤+40°C	-60°C≤Ta≤+60°C
70	200	T6	T5
95	250		
120	320		
150	350		
185	400		
240	500	T5	T4
300	630		
400	800		



Attachment to CoC

IECEx CQM 24.0021X Issue 1



Specific Conditions of Use:

1. Ambient temperature: -60°C~ +40°C or -60°C~ +60°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. When user connecting, high-temperature resistant wire must be adopted, details see blow:

Current (A)	Ambient temperature: -60°C~+40°C	Ambient temperature: -60°C~+60°C
	The minimum heat resistance temperature of the cable or wire in the entry device (°C)	
≤200	-	87
200 < I _N ≤ 400	-	93
400 < I _N ≤ 800	86	106

6. Observe the WARNING: "DO NOT OPEN WHEN ENERGIZED", "POTENTIAL ELECTROSTATIC CHARGING HAZARD-SEE INSTRUCTIONS WHEN USED IN COMBUSTIBLE DUST ATMOSPHERE" , "WARNING – WHEN USER CONNECTION HIGH-TEMPERATURE RESISTANT WIRE MUST BE ADOPTED-SEE INSTRUCTION".