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 PCET 24.0011X**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2024-06-13		
Applicant:	**Warom Technology Incorporated Company** No.555, Baoqian Road, Jiading District, Shanghai, 201808, P.R.China **China**		
Equipment:	**Explosion-proof high-voltage junction box typed BXJ92-□□/□/□**		
Optional accessory:	/		
Type of Protection:	**"db", "tb"**		
Marking:	Ex db IIB T6...T5 Gb; Ex tb IIIC T80℃...T95℃ Db -60°C≤T_a≤+60°C IP66		

Approved for issue on behalf of the IECEx Certification Body: **Yin Hong**

Position: **General manager**

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:

PCEC (Tianjin) Certification Services Co. Ltd
No 85-1, No. 3 Road, Hongqiao District
Tianjin Post Code 300131
China

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

Manufacturing locations:

Warom Technology Incorporated Company
No.555, Baoqian Road, Jiading District, Shanghai, 201808, P.R.China
China

WAROM TECHNOLOGY MENA FZCO
Plot No. S31223
Jebel Ali Free Zone
Dubai P.O. Box 263667
United Arab Emirates

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

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/PCET/ExTR24.0015/00

Quality Assessment Report:

CN/CQM/QAR07.0003/12

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

see attachment

SPECIFIC CONDITIONS OF USE: YES as shown below:
1.The flameproof joint cannot be repaired.

2.As there is a potential electrostatic charging hazard, the BXJ92 series explosion-proof high-voltage junction box is only to be cleaned with a damp cloth.

3.The BXJ92 series explosion-proof high-voltage junction box are intended to be mounted according to the mounting direction specified in the manual.

4.For between the specifications of internal wires and the connection holes of copper bars see the instructions.

5.Only high temperature-resistant cable can be used,and shall not be lower than 80℃(T6) or 95℃(T5) .

6.30 minutes later the surface temperature of enclosed hot components reduces to below the assigned maximum surface temperature of the electrical equipment.

7.It cannot be used in areas affected by charge generation process, mechanical friction, separation process, electronic emission and pneumatic transport dust.

8.Before application, IECEx certified cable glands and plugs must be incorporated, rated minimum IP66, suitable for the conditions of use and correctly installed.

9.The form of the ambient temperature range is limited and Ex-mark:

Ex-mark	Ambient temperature range
Ex db IIB T5/T6 Gb;Ex tb IIIC T95℃/T80℃ Db	-60℃～+60℃

WARNING – POTENTIANL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS.

CAUTION – USE FASTENERS WITH YIELD STRESS ≥ 450MPa.

WARNING –AFTER DE-ENERGIZING DELAY 30 MINUTES BEFORE OPENING.

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Additional information:
Routine tests:

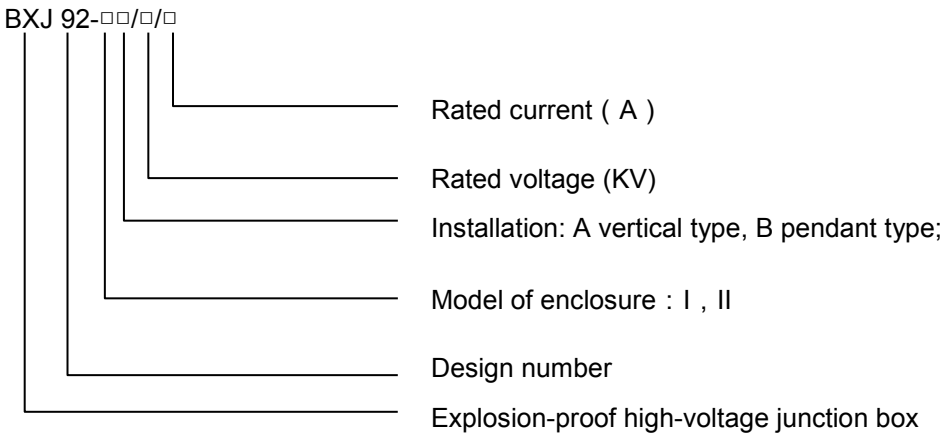
The pressure applied is as follows(Static pressure test conducted according to Clause 16.1 of the IEC60079-1:2014):

Type	Pressure(kPa)
BXJ92-I	1450
BXJ92-II	1810

Annex:

Annex to CoC-IECEx PCET 24.0011X._1.pdf

1.This report covers the following types:



dimensions for enclosure I:720 mm×980 mm×425mm;
dimensions for enclosure II:900 mm×1280 mm×500mm.

2.Main parameters

Type	Rated voltage	Rated current
BXJ92-I	MAX.24kV AC	MAX.400A
BXJ92-II	MAX.35kV AC	MAX.800A

3.Structure of production

This series of products consists of a shell, a cover plate, and a plug (or explosion-proof cable sealing joint), which are classified into Type I and Type II according to size. The material of the shell and cover plate can be Q235 carbon steel or stainless steel (304, 316L). The product is equipped with copper bars that are supported by insulators, and the copper bars are separated from each other by partitions. The product has internal and external grounding.

Note:The incrustation of this series of products adopts VIIIB and IXB types from the HRMD92 series, with the same external dimensions as the incrustation.And the incrustation has been certified. See the test report GB/CML/ExTR20.0138/00.The power consumption value of internal components in the product adopts the power consumption values of VIIIB and IXB incrustation in the HRMD92 series.

4.Form of maximum power dissipation and temperature rise

Ta=60℃	T5/T95℃	T6/T80℃
Type	Power consumption (W)	Power consumption (W)
BXJ92-I	371	180
BXJ92-II	575	279

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