



# 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](http://www.iecex.com)

Certificate No.:	<b>IECEx CNEX 23.0003X</b>	Page 1 of 3	<a href="#">Certificate history:</a>
Status:	<b>Current</b>	Issue No: 0	
Date of Issue:	2023-06-28		
Applicant:	<b>Warom Technology Incorporated Company</b> 555 Baoqian Road, Jiading, Shanghai China		
Equipment:	<b>Explosion-proof connectors model BLJ85 series</b>		
Optional accessory:			
Type of Protection:	<b>Ex ec, Ex tb</b>		
Marking:	Ex ec IIC T6/T5/T4 Gc Ex tb IIIC T80°C/T95°C Db		

Approved for issue on behalf of the IECEx  
Certification Body:

**Hou Yandong**

Position:

**Certification Officer**

Signature:  
(for printed version)

Date:  
(for printed version)

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Certificate issued by:

**CNEX-Global B.V.**  
Utrechtseweg 310-B42,  
6812 AR ARNHEM  
Netherlands





# IECEx Certificate of Conformity

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Date of issue: 2023-06-28

Issue No: 0

Manufacturer: **Warom Technology Incorporated Company**  
555 Baoqian Road, Jiading, Shanghai  
China

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 60079-31:2022-01](#) 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:

[NL/CNEX/ExTR23.0003/00](#)

Quality Assessment Report:

[CN/CQM/QAR07.0003/11](#)



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## EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The structure of the connector model BLJ85 is explosion protection type protection by enclosure "tb" or type increased safety "ec". They consist of a plug (including pin component) and a socket (including socket component). The enclosure material is aluminum alloy 6061. The cable gland is sealed by compression nut with silicone rubber sealing ring. The ingress protection of enclosures is IP66. There are two types of installation: fixed and movable.

The enclosure of the explosion-proof connector successfully passed the tests for the Ingress Protection Level IP66 to IEC 60529.

## SPECIFIC CONDITIONS OF USE: YES as shown below:

The ambient temperature range is limited to -60°C...+40°C/+60°C.

When the ambient temperature range is limited to -60°C...+60°C, must use the high-temperature resistant cables with a temperature not lower than 95°C.

For all connectors, after installation, the user shall provide additional clamping of the cables to ensure that pulling is not transmitted to the terminations.

For BLJ85-\*/\*/G models fixed connector, Ex enclosures must be applied, rated minimum IP66, suitable for the conditions of use and correctly installed. And ensure the creepage and clearance meets the requirements of Table 2 in IEC 60079-7.

The rubber sealing material must be inspected regularly and should be replaced in time when aging occurs.

## Annex:

[P23006IA-CCA certificate IECEx CNEX23.0003X issue 0 Annex\\_1.pdf](#)

## Annex to Certificate IECEx CNEX 23.0003X Issue 0

Equipment or Protective System: **Explosion-proof connectors model BLJ85**  
Applicant: **Warom Technology Incorporated Company**  
Address: **555 Baoqian Road, Jiading, Shanghai, P.R. CHINA**

### Nomenclature for model BLJ85-a/b/c/d

BLJ	-	Explosion-proof connector
85	-	Design No.
a	-	Rated current: 10A, 16A, 20A, 25A, 32A, 50A, 60A, 63A, 100A
b	-	Rated voltage: 48 (12...48VAC/DC), 250 DC (50...250VDC), 130 (100...130VAC), 250 (200...250VAC), 415 (380...415VAC), 500 (480...500VAC), 690 (600...690VAC)
c	-	No. of poles: 3P, 4P, 5P
d	-	L: Movable Connector, G: Fixed Connector

### Lamp models covered:

The Connector models that are covered by this certificate are detailed in the Test Report Cover document. (P23006IA-CS).

### Electrical Data:

Rated current ..... 10A, 16A, 20A, 25A, 32A, 50A, 60A, 63A, 100A  
Rated voltage ..... 12...48VAC/DC, 50...250VDC, 100...130VAC, 200...250VAC, 380...415VAC  
(for models BLJ85-10/\*\*/\* and BLJ85-16/\*\*/\*)  
200...250VAC, 380...415VAC, 480...500VAC, 600...690VAC  
(for the other models)

### Descriptive Documents:

Detailed in the Test Report Cover document. (P23006IA-CS).

### Mounting Instructions:

See manufacturer's instructions.

### Installation Instructions:

See manufacturer's instructions.

### Routine tests:

Routine tests are detailed in the Test Report Cover Sheet.  
(ref. P23006IA-CS).

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Certification Body: CNEX-Global B.V., Utrechtseweg 310-B42, 6812 AR, Arnhem, the Netherlands

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## Annex to Certificate IECEx CNEX 23.0003X Issue 0

### Relation of model, ambient temperature range and Ex-code:

Model	Ambient temperature: - 60 °C ... +40 °C	Ambient temperature: - 60 °C ... +60 °C
BLJ85-10/*/*/*	Ex ec IIC T6 Gc Ex tb IIIC T80°C Db	Ex ec IIC T5 Gc Ex tb IIIC T80°C Db
BLJ85-16/*/*/*		
BLJ85-20/*/*/*	Ex ec IIC T5 Gc Ex tb IIIC T80°C Db	Ex ec IIC T4 Gc Ex tb IIIC T95°C Db
BLJ85-25/*/*/*		
BLJ85-32/*/*/*		
BLJ85-50/*/*/*	Ex ec IIC T5 Gc Ex tb IIIC T80°C Db	Ex ec IIC T4 Gc Ex tb IIIC T95°C Db
BLJ85-60/*/*/*		
BLJ85-63/*/*/*		
BLJ85-100/*/*/*	Ex ec IIC T5 Gc Ex tb IIIC T80°C Db	Ex ec IIC T4 Gc Ex tb IIIC T95°C Db