



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 23.0010X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2024-03-26

Applicant: **Sunleem Technology Incorporated Company**
No.15 Xihenggang Street
Yangchenghu Town, Xiangcheng District
Suzhou, Jiangsu 215138
China

Equipment: **Junction Box typed EJB-e/*/***

Optional accessory:

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

Marking: Ex eb IIC T6/T5 Gb
Ex tb IIIC T80°C/T95°C Db
IP66

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.
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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





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Manufacturer: **Sunleem Technology Incorporated Company**
No.15 Xihenggang Street
Yangchenghu Town, Xiangcheng District
Suzhou, Jiangsu 215138
China

Manufacturing locations: **Sunleem Technology Incorporated Company**
No.15 Xihenggang Street
Yangchenghu Town, Xiangcheng District
Suzhou, Jiangsu 215138
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 60079-31:2022](#) 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/ExTR23.0017/00](#)

Quality Assessment Report:

[DE/TUR/QAR18.0015/04](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

EJB-e series explosion-proof junction box are used in Zone 1 and Zone 2 of explosive gas environment, Zone 21 and Zone 22 of combustible dust environment, and can be used in IIA, IIB, IIC explosive gas environment. The shell materials of the equipment can be stainless steel or carbon steel with powder coated surface. The cover are fixed by hinges and key lockers. Gaskets made of RAKU-PUR 32-3250-8 or BHS100 are provided between the cover and body and o-rings made of silicone rubber are provided between key lockers and cover. The equipment fulfils the requirements of IP66.

Nomenclature, electrical parameters and details of terminals used refer to attachment.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The ambient temperature is $-25^{\circ}\text{C}\sim+55^{\circ}\text{C}$.
2. Cable glands and blanking elements installed with the terminal box shall be IECEx certified and suitable Equipment Protection Level (EPL) shall be achieved. The cable glands and blanking elements shall be at least EPL Gb/Db and rated at least IP66.
3. WARNING –DO NOT OPEN WHEN ENERGIZED.
4. For product with powder coating used in combustible dust atmosphere: WARNING – POTENTIAL ELECTROSTATIC CHARGING HAZARD-SEE INSTRUCTIONS.
5. The maximum temperature at cable branching point is up to 80°C , choose proper cable and cable glands during installation.
6. One wire can be connected into either side of the terminal.

Annex:

[IECEX CQM 23.0010X attachment.pdf](#)