



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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEx DNV 21.0027U** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2021-08-20

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

Ex Component: EPB Series Explosion-proof Plastic Box

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Ex eb, Ex tb**

Marking: Ex eb IIC Gb

Ex tb IIIC Db

Approved for issue on behalf of the IECEx
Certification Body:

Bjørn Spongsveen

Position:

Certification Manager

Signature:
(for printed version)

Date:

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:

DNV Product Assurance AS
Veritasveien 3
Hovik 1363
Norway





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Manufacturer: **Sunleem Technology Incorporated Company**
No.15 Xihenggang Street
Yangchenghu Town
Xiangcheng District
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Jiangsu
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Additional
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 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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:

[NO/DNV/ExTR21.0040/00](#)

Quality Assessment Report:

[DE/TUR/QAR18.0015/01](#)



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Ex Component(s) covered by this certificate is described below:

The EPB series explosion-proof plastic box/enclosure consists of cover and body, which are made of glass fibre reinforced polyester SMC and fastened together by anti-losing screws. The sealing strip is fitted into the groove of the cover and mates up with the rib around the top of the body to guarantee the IP66 seal. The body is moulded with a fixing point on each corner for in field installation.

Various entries (plain holes) can be drilled into each face of the body according to the permitted entry sizes and positions.

Internal/external earthing connection facility and earth continuity plate can be supplied as optional.

Type designation

See annex.

Size of enclosure

See annex.

Degrees of protection (IP Code)

IP66

Service temperature range:

-55°C to +80°C (for product type EPB-I)

-55°C to +100°C (for product types EPB-III, EPB-IV, EPB-V, EPB-VI, EPB-VII, EPB-VIII)

Routine tests

None

SCHEDULE OF LIMITATIONS:

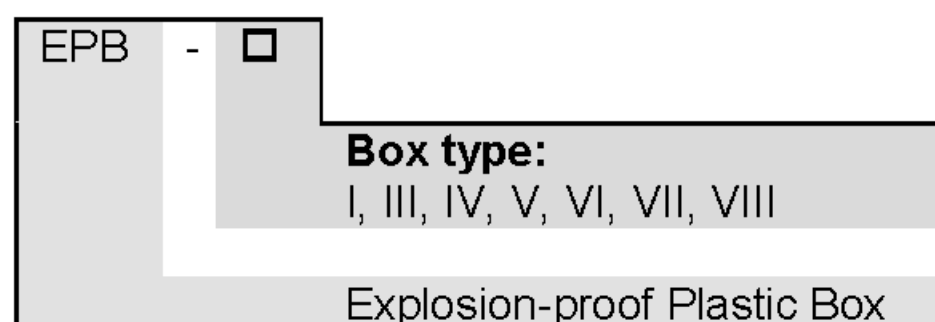
- The empty enclosure is an Ex component and requires additional consideration when used in explosive atmosphere.

Annex:

[IECEx DNV 21.0027U_issue 0_annex.pdf](#)

Annex to certificate: IECEx DNV 21.0027U Issue 0

Type designation



Size of enclosure

Product type	Length (mm)	Width (mm)	Height (mm)
EPB-I	80	75	55
EPB-III	122	120	90
EPB-IV	160	160	90
EPB-V	160	160	120
EPB-VI	260	160	90
EPB-VII	255	250	120
EPB-VIII	400	250	120