

[1]

EU-TYPE EXAMINATION CERTIFICATE



[2]

Equipment intended for use in potentially explosive atmospheres
Directive 2014/34/EU - Annex III

[3]

Certificate Number: **EPT 19 ATEX 3224 X** issue 0

[4]

Equipment: Explosion-Proof junction boxes

Series: EJB101 series

[5]

Manufacturer: **Sunleem Technology Incorporated Company**

[6]

Address: No.15, Xihenggang Street, Yangchenghu Town, Xiangcheng District, Suzhou, Jiangsu, China. 215138

[7]

This equipment and its accepted variations are specified in the annex to this Certificate.

[8]

Eurofins Product Testing Italy S.r.l., Notified Body n. 0477 in accordance with Article 21 of the Directive 2014/34/EU of the European Parliament and of the Council of 26th February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II of the Directive.

The examination and test results are recorded in the confidential Report N°EPT.19.REL.01/56986.

[9]

Compliance with the essential health and safety is assured through the verification of them and by compliance with the standard:

EN60079-0:2012+A11:2013; EN60079-1:2014; EN60079-31:2014

[10]

If the sign "X" is placed after the Certificate number, it indicates that the equipment is subject to the special conditions for safe use specified in the annex to this Certificate.

[11]

This EU -TYPE EXAMINATION CERTIFICATE relates only to the design, the exam and the tests of the specified equipment.

Further requirements of the Directive 2014/34/EU apply to the manufacture and supply of this equipment. These requirements are not object of this Certificate.

[12]

The equipment shall include the sign  and the following string:

II 2 G Ex db IIC T5 Gb
II 2 D Ex tb IIIC T95°C Db
II 2 G Ex db IIC T4 Gb
II 2 D Ex tb IIIC T130°C Db



-55°C ≤ Ta ≤ +40°C

-55°C ≤ Ta ≤ +55°C

Place and date of issue:
Torino, 2019-05-09



Dionisio Bucchieri

Dionisio Bucchieri
Directive Responsible

Paolo Trisoglio

Paolo Trisoglio
Managing Director



PRD N° 119B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

This Certificate has 4 pages and it is reproducible only in its entirety. Conditions of validity are reported below.

[13]

ANNEX

[14]

EU-TYPE EXAMINATION CERTIFICATE N. EPT 19 ATEX 3224 X issue 0

[15] Equipment description

The EJB101 series Explosion-Proof Junction Box is a series of flameproof-tight dust enclosures made of the following types:

Model No.	Entries size
EJB101-1	M20×1.5
EJB101-2	NPT1/2
EJB101-3	M25×1.5
EJB101-4	NPT3/4

The enclosure is made of a shell and a cover of ADC12 aluminum alloy and include the terminals block for the connection of incoming cables.

The sealing O-ring, put into the groove of cover, is made of silicone rubber.

Ground terminals are present inside and outside the enclosure.

The cable entries and unused holes must be equipped with explosion-protected cable glands and Ex blanking elements and with ATEX certificates with Ex-marking no less than Ex db IIC Gb/Ex tb IIIC Db.

The degree of protection of enclosure is IP66 according to EN 60079-0 and EN 60529.

Electrical parameters

1. Rated voltage: Max. 600VAC
2. Rated frequency : 50/60Hz
3. Rated current: Max. 50A

Warning label

Warning – Do not open when energized

Warning – Do not open when an explosive atmosphere may be present

Warning – Potential electrostatic charging hazard – see instructions

Warning – Only use cables suitable for 125°C

Routine tests

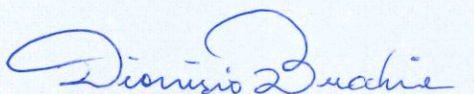
According to clause 16.1 of standard EN 60079-1 each apparatus shall be submitted to an overpressure test of at least 0,55 MPa for at least 10 seconds.

[16] Assessment Report n°EPT.19.REL.01/56986

This EU-Type Examination Certificate is released after the positive result of the conformity assessment of the Council Directive 2014/34/EU and to harmonized technical standards listed in this certificate performed by the Notified Body Eurofins Product Testing Italy S.r.l., and reported in the Assessment Report above cited.


PRD N° 119B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements


Dionisio Bucchieri
Directive Responsible

Page 2 of 4
2019-05-09

[13]

ANNEX

[14]

EU-TYPE EXAMINATION CERTIFICATE N. EPT 19 ATEX 3224 X issue 0

[17] Special condition for a safe use

- Potential electrostatic charging hazard – See instructions
- The flameproof joints are not intended to be repaired.

[18] Essential Health and Safety Requirements

Assured by compliance with harmonized standards.

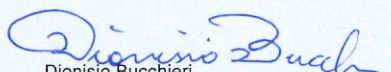
[19] Descriptive documents

The equipment objects of this Certificate are described by the following documents.
They cannot be modified without the explicit authorization of the Notified Body.

Title	Drawing No.	Rev.	Date
EJB101 series explosion-proof junction boxes assembly drawing	3XLMW.611.001	1	20/10/2018
Case	8XLMW.003.004.1~4	0	29/10/2018
Cap	8XLMW.313.002.1~2	1	29/10/2018
Mounting plate	8XLMW.062.003	1	29/10/2018
Slideway	8XLMW.260.001	0	29/10/2018
Marking plate	8XLMW.865.002	0	29/10/2018
Material quality report of silicone rubber	OXLMW.137.001	A.01	10/11/2018
Material quality report of ADC12	ADC12	A.01	20/11/2018
Instruction manual	8XLMW 993 1192	A.01	10/11/2018


PRD N° 119B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements


Dionisio Bucchieri
Directive Responsible

Page 3 of 4
2019-05-09

[13]

ANNEX

[14]

EU-TYPE EXAMINATION CERTIFICATE N. EPT 19 ATEX 3224 X issue 0

[20] **Terms and conditions**

The product liability rests with the Manufacturer, his representative or, in the absence of a representative, with the importer, in accordance with the General Product Safety Directive 2001/95/EC.

The following conditions may render this certificate invalid:

- changes in the design or construction of the product;
- changes or amendments to the Directive;
- changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the 2014/34/EU Directive.

[21] **History**

This is the first that this product seeks for a certification.



PRD N° 119B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

Dionisio Bucchieri
Directive Responsible

Page 4 of 4
2019-05-09

End of Certificate