




- (1) **EU-Type Examination Certificate**
- (2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 2014/34/EU**
- (3) Certificate number: **SEV 20 ATEX 0416 X**
- (4) Product: Explosion-Proof junction boxes
Type EJB102 series
- (5) Manufacturer: Sunleem Technology Incorporated Company
- (6) Address: No.15, Xihenggang Street, Yangchenghu Town, Xiangcheng District, Suzhou, 215138 Jiangsu, China
- (7) The equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- (8) Eurofins, notified body No. 1258, in accordance with article 17 of Directive 2014/34/EU of the European parliament and of the council, dated 26 February 2014, certifies that this product has been found to comply with the essential health and safety requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in confidential report no 20CH-00943.X01
- (9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN IEC 60079-0:2018
EN 60079-1:2014
EN 60079-31:2014

Except in respect of those requirements listed at item 18 of the schedule.

- (10) If the sign «X» is placed after the certificate number, it indicates that the product is subjected to special conditions for safe use specified in the schedule to this certificate. The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- (11) This EU type examination certificate relates only to design and construction of the specified product. Further requirements of this directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- (12) The marking of the product shall include the following:

 II 2G Ex db IIC T5 Gb
II 2D Ex tb IIIC T95 °C Db
or
II 2G Ex db IIC T6 Gb
II 2D Ex tb IIIC T80 °C Db

Eurofins Electric & Electronic Product Testing AG
Notified Body ATEX

Martin Plüss
Product Certification



(13)

Appendix

(14)

EU-Type Examination Certificate no. SEV 20 ATEX 0416 X

(15) **Description of product**

The EJB102 series Explosion-Proof Junction Box is a series of flameproof-tight dust enclosures made of the following types:

No.	Entries size*	Tighten Toque
1	M20×1.5	23Nm
2	NPT1/2	
3	M25×1.5	30Nm
4	NPT3/4	
5	M32×1.5	38 Nm
6	NPT1	
7	M40×1.5	48 Nm
8	NPT1-1/4	

*:Refer to **Catalog number definition** for the detail of Entries size using.

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

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

A ground terminal is present inside and a bonding terminal outside.

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 IEC 60079-0 and IEC 60529.

Part number code:

Example Cat. No.	EJB	102	-M32	-30A
	(1)	(2)	(3)	(4)

(1). EJB—Indicates Explosion-proof Junction box.

(2). 102—Indicates Design Number.

(3). Indicates Thread SPEC:
M32; M40; NPT1; NPT1 1/4;
M20;M25; NPT1/2; NPT 3/4.

(4). Indicates Current:
30A, 55A, 75A, 120A, 150A.

Ratings: Rated voltage: Max. 1000 V AC, 50/60 Hz;
Rated current: Max. 150 A

Classification of installation and use:

Ingress protection:

Rated ambient temperature range (°C):

Rated ambient temperature range (°C) for Ex Components:

stationary

IP66

-55 °C ... +40 °C/+55 °C

N/A

(16) **Specific conditions of use**

1. Potential electrostatic charging hazard – see instructions
2. The flameproof joints are not intended to be repaired.

(17) **Essential health and safety requirements**

In addition to the essential health and safety requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
None	

(18) **Drawings and Documents**

See test report "Manufacturer's Documents"