

(1) EU-TYPE EXAMINATION CERTIFICATE



- (2) Equipment and Protective Systems intended for use in
Potentially Explosive Atmosphere - **Directive 2014/34/EU**
- (3) EU-Type Examination Certificate Number

TÜV 23 ATEX 9034 U

Issue: 00

- (4) Equipment: **Range of Flameproof Enclosures type LJB1, LJB2, LJB2D, LJB2W**
- (5) Manufacturer: **NorthEX Zone ElektrikSanayi Ve Dış Ticaret Limited Şirketi**
- (6) Address: **AKTİM 1 TİCARET ve İŞ MERKEZİ Akçaburgaz Mahallesi Akçaburgaz
Caddesi Numara 20 Bağımsız Bölüm 34 34522 Esenyurt**
- (7) This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- (8) The TÜV Rheinland Zertifizierungsstelle für Explosionsschutz of TÜV Rheinland Industrie Service GmbH, Notified Body No. 0035 in accordance with Article 21 of the Council Directive 2014/34/EU of 26th February 2014, certifies this product which has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmosphere, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report 557/Ex9034.00/23

- (9) Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:

EN IEC 60079-0:2018

EN 60079-1:2014

EN 60079-31:2014

- (10) If the sign "U" is placed after the certificate number, it indicates that the component is subject to limitation for safe use specified in the schedule to this certificate.
- (11) This EU-Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover the process for actual manufacture or supply of the equipment or protective system, for which further requirements of the directive are applicable.
- (12) The marking of the equipment shall include the following:

 **II 2G Ex db IIC Gb**
II 2D Ex tb IIIC Db

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2023-11-17

Dipl.-Ing. Klauspeter Graffi



This EU-Type Examination Certificate without signature and stamp shall not be valid.
This EU-Type Examination Certificate may be circulated only without alteration. Extracts or alterations are subject to approval by the
TÜV Rheinland Industrie Service GmbH TÜV Rheinland Group Am Grauen Stein 51105 Köln
Tel. +49 (0) 221 806-0 Fax. +49 (0) 221 806 114

(13) Annex

(14) **EU Type Examination Certificate**
TÜV 23 ATEX 9034 U Issue: 00

(15) Description of equipment

15.1 Equipment and type:

Range of Flameproof enclosures
LJB1, LJB2, LJB2D, LJB2W

15.2 Description

General product information

The LJB Range of Flameproof enclosures are manufactured in two sizes, designated as Type LJB1 and LJB2* enclosures.

They comprise a base and a screw cover, both are manufactured from aluminum, a socket head set screw prevents the cover and base becoming loose. The enclosure is provided with internal and external earthing facilities and its walls have threaded entries that allow external cables to be connected. Internally, the enclosure is provided with a baseboard for mounting electrical parts.

In addition, following variants of LJB series are available:

LJB2D consist of a dome shaped cover.

LJB2W consist of a cover with a glass window.

Technical Data

Type	~Dimension [mm]
LJB 1	110 * 110 * 90
LJB 2(D)	152 * 150 * 105 (147)

Suitable temperature range: -30 °C to +55 °C or -20 °C to +40 °C

Rated service temperature range: -30°C to +135°C

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(16) Test-Report No. 557/Ex9034.00/23

(17) Schedule of limitations

1. The ambient temperature range is -30°C to +55°C or -20°C to +40°C.
2. When these enclosures are incorporated as part of certified equipment, any internally mounted components must not exceed the bounds of the baseboard and must not exceed more than 60% of any internal cross-section.
3. The cable entry holes shall be fitted with suitably certified cable glands or suitably certified stopping plugs, which are capable of maintaining the IP66/67 rating of the equipment.
4. When these enclosures are incorporated as part of certified equipment, the following maximum permitted internal power dissipations (in Watts) for various temperature classes and ambient temperature ranges may be applied:

Designation	T _a = -30°C to +55°C			T _a = -20°C to +40°C		
	T6	T5	T4	T6	T5	T4
LJB 1	10	18	39	18	26	47
LJB 2	15	28	57	28	41	70

5. The flame proof joints are not intended to be repaired.
6. Specific guidance noted to contact the original manufacturer for information on the dimension of the flameproof joints.
7. The device has to be protected against charging mechanisms such as fast-moving particles along a surface, pneumatic transfer of powders, and charge spraying in electrostatic coating processes in explosive dust atmospheres.

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

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