



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 TUR 23.0054U** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-11-17

Applicant: **NorthEx Zone Elektrik Sanayi Ve Diş Tica**
AKTİM 1 TİCARET ve İŞ MERKEZİ
Akçaburgaz Mahallesi Akçaburgaz Caddesi Numara 20
Bağımsız Bölüm 34
34522 Esenyurt
Türkiye

Ex Component: Range of Flameproof enclosures LJB1, LJB2, LJB2D, LJB2W

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 d, Ex t**

Marking: Ex db IIC Gb

Ex tb IIIC Db

Approved for issue on behalf of the IECEx
Certification Body:

Dipl. -Ing. Klauspeter Graffi

Position:

Head of Certification Body

Signature:
(for printed version)

Date:
(for printed version)

2023-11-17

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:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany





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Manufacturer: **NorthEx Zone Elektrik Sanayi Ve Diř Tica**
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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 component 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 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2013](#) Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

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 component listed has successfully met the examination and test requirements as recorded in:

Test Report:

[DE/TUR/ExTR23.0054/00](#)

Quality Assessment Report:

[DE/TUR/QAR22.0005/00](#)



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

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.

Type	~Dimension [mm]
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LJB 1	110 * 110 * 90
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LJB	152 * 150 *
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2(D)	105(147)
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In addition following variants of LJB series are available:

LJB2D consist of a dome shaped cover.

LJB2W consist of a cover with window.

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
LJB1	10	18	39	18	26	47
LJB2	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.