



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 23.0053U** 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: EJB Range of Flameproof Enclosures

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/ExTR23.0053/00](#)

Quality Assessment Report:

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



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

The EJB Range of Enclosures compromise a base and screw cover, both manufactured in aluminium. A socket head screw provides the means of preventing loosening between the cover and base. The enclosures are manufactured in three sizes, designated as Type EJB10, EJB20 and EJB30 enclosures. The enclosures walls are provided with threaded entries for the connection of external cables. Internally, the enclosure is provided with a baseboard for the mounting of electrical parts. The enclosure is provided with internal and external earthing facilities.

SCHEDULE OF LIMITATIONS:

1. The maximum number of apertures, their maximum sizes and positions, for the EJB10 enclosures are identified on drawing number EJB10.
2. The maximum number of apertures, their maximum sizes and positions, for the EJB20 enclosures are identified on drawing number EJB20.
3. The maximum number of apertures, their maximum sizes and positions, for the EJB30 enclosures are identified on drawing number EJB30.
4. The ambient temperature range is -30°C to +55°C or -20°C to +40°C.
5. When these enclosures are incorporated as part of certified equipment, any internally mounted components shall not exceed the bounds of the baseboard and shall not exceed more than 60% of any internal cross-section.
6. 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.
7. Specific guidance noted to contact the original manufacturer for information on the dimension of the flameproof joints.
8. 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.
9. When these enclosures are incorporated as part of certified equipment, the maximum permitted internal power dissipations (in Watts) for various temperature classes, has to be determined.