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

Certificate No.: **IECEx TUR 23.0051X**

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

Equipment: **Junction Box EJB10, EJB20, EJB30**

Optional accessory:

Type of Protection: **Ex d, Ex t**

Marking: Ex db IIC T6, T5 or T4 Gb

Ex tb IIIC T85°C, T100°C or T135°C

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

Test Report:

DE/TUR/ExTR23.0051/00

Quality Assessment Report:

DE/TUR/QAR22.0005/00

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The EJB Junction Boxes comprise an aluminium screw cover enclosure certified under IECEx TUR 23.0053U and TÜV 23 ATEX 9033U. Internally, the equipment is provided with baseboard mounted bus bars, transformers, circuit breakers, control & operating circuits, fuses, starters & ballasts for discharge lamps, terminals and various electronic apparatus as detailed on the scheduled drawings.

The equipment is manufactured in three sizes, designated as Types EJB10, EJB20 and EJB30 Junction Boxes.

The enclosure walls are provided with threaded entries for the connection of external cables.

The enclosure is provided with internal and external earthing facilities.

Designation	T_a= -30°C to +55°C			T_a= -20°C to +40°C		
	T6	**T5**	**T4**	**T6**	**T5**	**T4**
EJB 10	15	38	87	38	60	111
EJB 20	46	81	188	81	127	232
EJB 30	79	152	326	152	238	412

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The Cable entry holes shall be fitted with suitably certified cable glands or suitably certified stopping plugs, which are capable or maintaining the IP66/67 rating of the equipment.
2. The internally mounted components shall not exceed the bounds of the baseboard and shall not exceed 60% of any internal cross-section.
3. Specific guidance noted to contact the original manufacturer for information on the dimension of the flameproof joints.
4. 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.