

(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 9033 U

Issue: 00

- (4) Equipment: **Range of Flameproof Enclosures type EJB10, EJB20, EJB30**
- (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/Ex9033.00/23

- (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 9033 U Issue: 00

(15) Description of equipment

15.1 Equipment and type:

Range of Flameproof Enclosures
EJB10, EJB20, EJB30

15.2 Description

General product information

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 which a baseboard for the mounting of electrical parts.

The enclosure is provided with internal and external earthing facilities.

Technical Data

Ambient temperature T_a = -30°C to +55°C or -20°C to +40°C

Type	Dimension [mm]
EJB 10	202 * 170 * 127
EJB 20	218 * 216 * 183
EJB 30	335 * 260 * 178

(16) Test-Report No. 557/Ex9033.00/23

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(17) 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, may be as follows:

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

(18) Basic Safety and Health Requirements

Covered by afore mentioned standard

TÜV Rheinland Zertifizierungsstelle für Explosionsschutz

Cologne, 2023-11-17



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