IEP | ENERGY PETROLEUM INSTITUTE

IEP ATEX

(1) # EU-Type Examination Certificate

(2) Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres

Directive 2014/34/E

(3) EU – Type Examination Certificate Number: **IEP 24 ATEX 1476X**

(4) Product: **EJB SZ MT RT Type Electric Junction Box**

(5) Firm Name: **DÜNYAEKS ELEKTRİK MAK. ENG. SANAYİ VE TİCARET LİMİTED ŞİRKETİ**

(6) Firm Address: **Mahmutpaşa Mah. Mahmutpaşa Cad. Kardelen Sok. No: 93/D Başiskele / İzmit / KOCAELİ /TÜRKİYE**

(7) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in confidential Report Nr: IEP. Ex.RP.10-2961 date 26.08.2024.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with;

EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-31:2014

(10) If the sign " X " is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following:

Ex **II 2G Ex db IIB T6 Gb**
II 2D Ex tb IIIC T85°C Db , IP 66

ENERGY PETROLEUM INSTITUTE * INSPECTION AND CERTIFICATION * IEP ATEX NB 2284

Responsible Person:

Nurettin Terzioglu
Head of Certification Body

Date of Issue: 29.08.2024

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(13) Schedule / Certificate Nr: **IEP 24 ATEX 1476X**

(14) Equipment Description: EJB SZ MT RT type electric junction boxes are designed to be used with flammables and explosives. The EJB SZ MT RT type electric junction box is made of aluminum casting. EJB SZ MT RT type electrical junction boxes are produced in 8 different sizes. All components used in EJB SZ MT RT type electrical junction boxes must comply with the protection type. Cable gland diameters are PG9,PG11,PG13,5,PG16 ,PG21,M20,M25,M30,M35,¾" G,½ " G,¼ " G,¾ " NPT,½ " NPT.,¼ " NPT. EJB SZ MT RT type electric junction boxes are used in the Zone 1, Zone 21 danger areas recorded in EN 60079-10-1 and EN 60079-10-2 standards.

Product Coding System:

		SZ (EJB Box Size)	MT(Mounting Type)	RT :
TYPE	**EJB SZ MT RT**	1 2 3 4 5 6 7 8	**SB** (Start/Stop Button) **AB** (Emergency Stop Button) **RB** (Rotating Switch)	**FG** (Flat Glass) - İf emty it means flat

Technical Parameters:

Voltage	24 Vac ~ 800 Vac
Degree of Protection (Housing)	IP66
Ambient Temperature	-20°C to +40°C
Frequency	50/60 Hz

(16) Essential Health and Safety Requirements: Are included in standards, which are mentioned in clause (9) of this certificate. The products were approved in accordance with above mentioned standards and manufacturer's instruction. At the installation and the operation of the EJB SZ MT RT type electric junction boxes has to be observed manufacturer's manual 12 page dated 03.01.2024.

(17) Drawings:

Drawing name	Drawing Nr	Date	Rev.	Drawing name	Drawing Nr	Date	Rev.
EJB Mounting drawing	0618-1	14.06.2018	00	EJB3 Cover drawing	0618-12	14.06.2018	00
EJB Series drawing	0618-2	14.06.2018	00	EJB2 Body drawing	0618-13	14.06.2018	00
EJB8 Body drawing	0618-3	14.06.2018	00	EJB2 Cover drawing	0618-14	14.06.2018	00
EJB8 Cover drawing	0618-4	14.06.2018	00	EJB1 Body drawing	0618-15	14.06.2018	00
EJB7 Body drawing	0618-5	14.06.2018	00	EJB1 Cover drawing	0618-16	14.06.2018	00
EJB7 Cover drawing	0618-6	14.06.2018	00	EJB0 Body switch box	0618-17	14.06.2018	00
EJB6 Body drawing	0618-7	14.06.2018	00	EJB0 Cover key box	0618-18	14.06.2018	00
EJB6 Cover drawing	0618-8	14.06.2018	00	Mounting Plate drawing	0618-19	14.06.2018	00
EJB4 Body drawing	0618-9	14.06.2018	00	O-ring technical drawing	0618-20	14.06.2018	00
EJB4 Cover drawing	0618-10	14.06.2018	00	Bolts technical drawing	0618-21	14.06.2018	00
EJB3 Body drawing	0618-11	14.06.2018	00	EJB Equipment drawings	0618-22-0618-39	14.06.2018	00

For the validity of analysis type certificate, the parts that are used in EJB SZ MT RT type electric junction boxes explosion proof is determined in confirmed in the component and part list table 1-2-3 date 16.06.2024.

Responsible Person:
Nurettin Terzioglu
Head of Certification Body

Date of Issue: 29.08.2024

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