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/EU

(3) Type Examination Certificate Number: **IEP 24 ATEX 1413U**

(4) Equipment: **BR X1, X2 Series, Signal and Control Operators**

(5) Firm Name: **BİREKS Elektrik Mah. Müh. San. ve Tic. Ltd. Şti.**

(6) Firm Address: **Eski Gölcük Yolu 5. km Sanayi Mah. No:52 İzmit, KOCAELİ / TÜRKİYE**

(7) This equipment or protective system and 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.Rp.Ex.10-2850 date 13.05.2024.

(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) The sign "U" placed after the certificate number indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

(11) This Type Examination Certificate relates only to the design and specification for construction of the equipment or protective system. It does not cover 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 or protective system shall include the following:

Ex **II 2G Ex db IIB Gb**
II 2D Ex tb IIIC Db

Responsible Person :

Nurettin Terzioglu
Head of Certification Body

ENERGY PETROLEUM INSTITUTE IEP ATEX NB 2284 INSPECTION AND CERTIFICATION

Date of Issue : 15.05.2024

IEP Uluslararası Enerji Petrol Göz., Sertifikasyon ve Teknik Hiz. Org. Tic. Ltd. Sti.
5746/1 Sok. No:9 K:2 Bornova - IZMIR / TÜRKİYE
Tel : +90 232 431 17 45 – 46 Fax : +90 232 431 17 30 E-mail: iep@iep.com.tr Fr: 45
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(13) Schedule

(14) Certificate Nr: **IEP 24 ATEX 1413U**

(15) Description of Equipment: BR X1, X2 series signal and control operators designed for mounting on ATEX certified "db and eb" protection type enclosures. BR X1, X2 series signal and control operators are used as zone 1 /21 that be used danger area determined in the EN 60079-10-1 and EN 60079-10-2 standard.

Product Code System:

BR X1 X2
- X2 → Type
- X1 → Voltage / Current
- BR → Company Code

Technical Specifications:

X1:Voltage / Current 12 V,24 V,220 V,380 V / 16 A,25 A,32 A,63 A
X2: SB : for Start Stop Button
AB : Emergency Button and Mushroom Push Button
RB : Rotary Switch and Potentiometer
SL : Signal Lamp

(16) Specific Conditions of Use (denoted by U after the certificate number)

- Ambient Temperature -20°C to +60°C

- The signal and control operators shall only be used with enclosures that have a reference pressure of max. 7 bar.

- The signal and control operators should be assembled in according to instructions in user manual and relevant standards. Designed for use on enclosures. It cannot be used alone.

(17) Essential Health and Safety Requirements: This certificate is in the contents of standards that mentioned in item [9]. It has been accepted that are manufactured according to the producer instructions and the standards mentioned above. User manual total 2 page and dated 04.02.2024.

(18) Drawings:

Drawing Nr; B-30.05.01 ~ B-30.05.16 Date; 15.05.2017

The parts that are used in BR X1, X2 series signal and control operators are determined in confirmed the equipments list table 1-2-3 and date 04.02.2024.

Responsible Person:
Nurettin Terzioglu
Head of Certification Body

Date of Issue : 15.05.2024