

Supplement Nr: 02**EU-Type Examination Certificate**

(1)

(2) Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**Directive 2014/34/EU****(3) EU – Type Examination Certificate Number: IEP 14 ATEX 0192****(4) Product: Firefighter torch ISKRA LED , Type LSI-102****(5) Firm Name: BRANDBULL POLSKA S.A.****(6) Firm Address: Ul. Daniszewska 22 C/1, 03-230 Warszawa / POLAND****(7) Manufacturer: BRANDBULL POLSKA S.A.Oddział KZPT w Kaliszu****(8) Manufacturer Address: Ul. Przybrzezna 37 , 62-800 Kalisz / POLAND****(9) This product any of acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.****(10) 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.10-581-2 date 07.06.2021.****(11) Compliance with Essential Health and safety requirements has been assured by compliance with ;****EN IEC 60079-0:2018 , EN 60079-7:2015, EN 60079-11:2012, 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:****II 2G Ex e ib IIB T4 Gb****II 2D Ex tb IIIC TMax 95 °C Db , IP 67****Responsible Person :****Nurettin Terzioglu
Head of Certification Body****Supplement 2 Date of Issue : 14.06.2021**



IEP ENERGY PETROLEUM INSTITUTE

(13) Certificate Nr: **IEP 14 ATEX 0192**

(14) Description of Equipment: The firefighter torch Iskra led type LSI-102 is electrical device. Firefighter torch Iskra led type LSI-102 led are working with battery. The outer casing is made of antistatic plastic and Al 6061. Limiting resistor in the circuit board power is available. Lenses is made of PMMA. The outer casing on the lenses locking system. Torch light use with alkaline batteries (Duracell, Energizer or Panasonic). The firefighter torch Iskra led type LSI-102 shall not be opened in hazardous areas. The firefighter torch Iskra led type LSI-102 battery will be change only outside hazardous area. The firefighter torch Iskra led type LSI-102 has been evaluated in the contents of IP 67. The firefighter torch led use as Zone 1 and Zone 21 that be used danger area determined in the EN 60079-10-1 and EN 60079-10-2 standard.

Technical Parameters : The firefighter torch Iskra led type LSI-102

Type	LSI-102
Voltage (V_{max}) / Current (I_{max})	6 V DC / 0,474 A.
IP xy	IP 67
Ambient temperature ($^{\circ}C$)	(- 20 ~ + 55) $^{\circ}C$

(15) This certificate is in the contents of standards that mentioned in item (11) It has been accepted that the firefighter torch are manufactured according to the producer instructions and the standards mentioned above.

(16) Information's of mounting instruction manual of the firefighter torch Iskra led type LSI-102 38 pages approved and date April 2021. Part inside of firefighter torch Iskra led type LSI-102 are indicated in the electric component list LSI-102.05.00, date April 2021.

(17) Drawings:

<u>Drawing Nr :</u>	<u>Drawing Name :</u>	<u>Date :</u>
LSI-102.00	Dimensions and Exploded drawing	02.2021
LSI-102.01	Body	02.2021
LSI-102.02	Case	09.2013
LSI-102.03	Nut	09.2013
LSI-102.04	Lenses	09.2013
LSI-102.06	Seal	09.2013
LSI-102.07	Face seal	09.2013
LSI-102.08	Battery mounting scheme	09.2013
LSI-102.12	Switch lever	09.2013
LSI-102.14	Lever overlay	09.2013
LSI-102.05.00	Doodled module and magnetic switch	08.2013
LSI-102.05.01	Radiator frame	08.2013
LSI-102.05.03	Mirror	08.2013
LSI-102.05.04	Printed circuit board	08.2013
LSI-102.00	Electrical circuit diagram	08.2013

Certificate History:

Supplement Nr	Issue Date	Summary Description of Variation
02	14.06.2021	Standard revision EN IEC 60079-0:2018, Company change
01	29.03.2018	Upgrade to ATEX directive 2014/34/EU and standard revision
00	08.04.2014	First issue of certificate

Responsible Person :
Nurettin Terzioğlu
Head of Certification Body



Supplement 2 Date of Issue : 14.06.2021

