



KDBEX

EU TYPE EXAMINATION CERTIFICATE

- [1] Protective equipment and systems intended for use in potentially explosive atmospheres. Directive 2014/34/EU (Rozporządzenie Ministra Rozwoju z dnia 06.06.2016r. Dz.U. z dnia 09.06.2016r. Poz. 817)
- [2] EU type examination certificate (module B):
KDB 14ATEX0119X **1rd edition**
- [3] Equipment:
LED Flash light type BEACON 90
- [4] Manufacturer:
Ex Products Sp. z o.o.
- [5] Address:
ul. Czarnoleśna 18, 41-709 Ruda Śląska
Poland
- [6] The protective equipment or system and any acceptable variations thereto are specified in the schedule to this certificate.
- [7] Central Mining Institute, Notified Body no 1453 according to Directive 2014/34/EU of February 26, 2014, approves that the protective equipment or system specified in this certificate has been found to comply with the essential health and safety requirements for the design and construction of protective equipment and systems intended for use in potentially explosive atmosphere given in Annex II to Directive 2014/34 /EU (Załącznik nr 2 Rozporządzenia Ministra Rozwoju z dnia 06.06.2016r. Dz.U. z dnia 09.06.2016r. Poz. 817). The results of the assessment and examinations as well as the list of agreed documentation are recorded in the confidential Report **KDB No 14.135-1 [T-7183]**
- [8] The essential health and safety requirements have been met by compliance with the requirements of the following standards:
EN IEC 60079-0:2018; EN 60079-11:2012; EN 60079-26:2015
- [9] If sign "X" is placed after the certificate number, this means the specific conditions of use set out in the schedule to this certificate.
- [10] This EU type examination certificate relates only to the construction, assessment and testing of the specified product in accordance with Directive 2014/34 /EU (Rozporządzenie Ministra Rozwoju z dnia 06.06.2016r. Dz.U. z dnia 09.06.2016r. Poz. 817). The certificate shall not cover the remaining requirements of the Directive regarding the manufacturing process and placing the protective equipment or system on the market.
- [11] The marking of the equipment:



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inż. Andrzej TRĘBACZEWSKI

ATEX Certification
Expert



Główny Instytut Górnictwa
Jednostka Oceny Zgodności
p.o. KIEROWNIKA

dr inż. Dariusz Stefaniak

Date of issue: **28 June 2021**

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Central Mining Institute, 40-166 Katowice, Plac Gwarków 1, Poland, www.gig.eu
Conformity Assessment Body, 43-190 Mikołów, ul. Podleska 72, www.gigcert.com
Certification Body accredited by PCA [Polish Centre for Accreditation], No AC038.

This certificate may only be reproduced in its entirety together with schedules. The document without signatures and stamps shall be not valid.

PC-ATEX-01/ExXen ed.1, 03.2020

[13]
[14]

SCHEDULE
EU type examination certificate
KDB 14ATEX0119X 1rd edition



[15] Description:

LED Flash light type BEACON 90 is group II category 1G lamp, designed to optic signaling work conditions or to generating warning signals.

Two-piece lamp enclosure is made from plastic material and provides ingress protection IP 65.

Beacon 90 lamp cable entry can be made as permanent cable section with hermetic mounting or by cable gland.

LED diodes are used as light source

Technical parameters:

Rated voltage:	24V DC
Power consumption	≤1,2 W
Ambient temperature:	-40 °C do +60 °C
Ingress protection IP:	IP65

Parametry obwodów iskrobezpiecznych:

Connection block J1, terminal + and -

$U_i = 28 \text{ V DC}$

$I_i = 660 \text{ mA}$

$P_i = 1,21 \text{ W}$

$C_i \sim 0 \text{ }\mu\text{F}$

$L_i \sim 0 \text{ mH}$

[16] Test Report:

"ATEX assessment report" KDB No 14.135-1

[17] Special conditions of use:

- Lamp enclosure is made from non-metallic material - electrostatic discharge danger, cleaning remarks are included in manual.
- Ambient temperature $-40^{\circ}\text{C} \leq T_a \leq +60^{\circ}\text{C}$

[18] Essential health and safety requirements:

Met by fulfilling the requirements of the following standards:

EN IEC 60079-0:2018; EN 60079-11:2012; EN 60079-26:2015
(PN-EN 60079-0:2018-09, PN-EN 60079-11:2012, PN-EN 60079-26:2015)





Document history:

- EC type examination certificate KDB 14ATEX0119X, 0 edition of September 05, 2014, initial certification,
- EU type examination certificate KDB 14ATEX0119X edition 1 of June 28, 2021 replaces certificate KDB 14ATEX0119X of September 05, 2014.
Changed device manufacturer from: Ex Solution Adrian Skrobek, ul. Pocztowa 5, 41-710 Ruda Śląska, to: EX PRODUCTS Sp. z o.o., ul. Czarnoleśna 18, 41-709 Ruda Śląska.

