



(1) **EC-Type Examination Certificate**

(2) Equipment or protective system intended for use in potentially explosive atmospheres - **Directive 94/9/EC**

(3) Examination certificate number: **SEV 11 ATEX 0174 X**

(4) Equipment: Handlight Type: UK2AAA eLED PEN I-ETB

(5) Manufacturer: Underwater Kinetics

(6) Address: 13400 Danielson Street, US-Poway, CA 92064

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

(8) Electrosuisse SEV, notified body No. 1258 in accordance with article 9 of the Council Directive of the European Communities of 23 March 1994 (94/9/EC), certifies that this equipment has been found to comply with the essential health and safety requirements relating to the design and construction of equipment or protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The results of the examination are recorded in confidential report no 11-IK-0006.01

(9) Compliance with the essential health and safety requirements has been assured by compliance with:

EN 60079-0:09

EN 60079-11:07

EN 60079-28:07

EN 61241-11:06

(10) If the sign «X» is placed after the certificate number, it indicates that the equipment or protective system is subjected to special conditions for safe use specified in the schedule to this certificate.

(11) This examination certificate relates only to design and construction of the specified equipment in accordance with the directive 94/9/EC. Further requirements of this directive apply to the manufacturing process and the placing on the market of the equipment.

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



II 2G Ex ib IIB T4 Gb

II 2D Ex ib IIIC T60°C IP6X Db



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Product Certification



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(13)

Appendix

(14)

EC-Type Examination Certificate

(15) Description of the equipment

The handlight type UK2AAA eLED PEN I-ETB is a universal lamp suitable for use in potentially explosive atmospheres zones 1 and 21. The light source in the lamp head consists of an LED unit. The LED itself is operated by an LED driver unit. The lamp in the model UK2AAA eLED PEN I-ETB is switched on and off by a push-button on the back. The used batteries are primary cells.

Rating(s)

Batteries (Alkaline)	Voltage (U)	LED Module
2 x DURACELL; LR03/AAA/MN2400	3.0V (2x1.5V)	XPC LED PCA, ASSY, 2AAA
2 x DURACELL PLUS; LR3/AAA/MN2400	3.0V (2x1.5V)	XPC LED PCA, ASSY, 2AAA
2 x Energizer +; LR03/AAA/E92/AM4	3.0V (2x1.5V)	XPC LED PCA, ASSY, 2AAA
2 x VARTA LONGLIFE EXTRA; LR3/AAA/AM4/MN2400	3.0V (2x1.5V)	XPC LED PCA, ASSY, 2AAA

Note(s)

1. The permissible ambient temperature range is -20°C to $+40^{\circ}\text{C}$.
2. The handlight type UK2AAA eLED PEN I-ETB must not be opened in potentially explosive atmospheres or in the presence of combustible dusts.
3. Only the batteries and the lamp elements specified in the ratings must be used.
4. Only to be used are batteries of the same electrochemical system, same cell construction and nominal capacity and same manufacturer.

(16) Test Report

11-IK-0006.01

(17) Special conditions for safe use

The strength of the housing of the handlight corresponds only to the low risk of mechanical danger. Hence the handlight must be adequately protected by appropriate measures in addition to mechanical impact, for example, Storage when not in use in sheltered places.

(18) Fundamental essential health and safety requirements

Fulfilled by the standards applied



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