



(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 08 ATEX 0163 X

(4) Equipment: Cap light type UK 3AAA VIZION I - E

(5) Manufacturer: Underwater Kinetics

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

(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 as 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 and 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. 08-IK-0341.01

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

EN 1127-1:2007

EN 60079-0:2006

EN 60079-11:2007

EN 60079-28:2007


EN 61241-0:2006

EN 61241-11:2006

(10) If the sign «X» is placed after the certificate number, it indicates that the equipment or protective system is subject 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 to 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 IIC T4**
II 2D **Ex ibD 21 T55°C**

Electrosuisse SEV
Certification Body ATEX

Fehraltorf, 2010-01-28

Martin Plüss
Product Certification

(13)

Appendix

(14)

EC-Type Examination Certificate SEV 08 ATEX 0163 X

(15) Description of the equipment

The cap light type UK 3AAA VIZION I – E can be attached to the head or helmet with an adjustable elastic strap. The light source consists of an LED unit. The lamp is switched on and off with a button on the side.

Ratings

| Batteries (Alkaline) | Voltage (U) | LED element |
|--|---------------|-----------------------|
| 3 x DURACELL; LR03/AAA/MN2400 | 4.5V (3x1.5V) | SEOUL Type X92050C-07 |
| 3 x DURACELL PLUS; LR3/AAA/MN2400 | 4.5V (3x1.5V) | SEOUL Type X92050C-07 |
| 3 x Energizer +; LR03/AAA/E92/AM4 | 4.5V (3x1.5V) | SEOUL Type X92050C-07 |
| 3 x VARTA LONGLIFE EXTRA; LR3/AAA/AM4/MN2400 | 4.5V (3x1.5V) | SEOUL Type X92050C-07 |

Notes

1. According to Directive 94/9/EC (ATEX 95), Appendix I, the cap light type UK 3AAA VIZION I – E is a device of equipment group II, category 2G, which according to Directive 99/92/EC (ATEX 137) can be used in zones 1 and 2 and gas groups IIA, IIB and IIC, which are potentially explosive due to the presence of flammable materials in the temperature classes T1 to T4.
2. According to Directive 94/9/EC (ATEX 95), Appendix I, the cap light type UK 3AAA VIZION I – E is a device of equipment group II, category 2D, which according to Directive 99/92/EC (ATEX 137) can be used in zones 21 and 22 subject to combustible dusts.
3. The permissible ambient temperature range is -20°C to $+40^{\circ}\text{C}$.

Appendix to EC-Type Examination Certificate SEV 08 ATEX 0163 X

- (16) Test Report 08-IK-0341.01
- (17) Special conditions for safe use
1. The cap light type UK 3AAA VIZION I – E must not be opened in potentially explosive atmospheres or in the presence of combustible dusts.
 2. It must only be used with the batteries specified under ratings.
 3. Only batteries of the same electrochemical system, cell type, nominal capacity and manufacturer must be used together.
- (18) Fundamental essential health and safety requirements
Fulfilled by the standards applied

Electrosuisse SEV
Certification Body ATEX

Fehraltorf, 2010-01-28

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