



Translation

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

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

(3) **BVS 09 ATEX E 005**

(4) **Equipment:** **Portable search light type SEB 9 \* \***

(5) **Manufacturer:** **Cooper Crouse-Hinds GmbH**

(6) **Address:** **69412 Eberbach, Germany**

(7) The design and construction of this equipment and any acceptable variation thereto are specified in the appendix to this type examination certificate.

(8) The certification body of DEKRA EXAM GmbH, notified body no. 0158 in accordance with Article 9 of the Directive 94/9/EC of the European Parliament and the Council of 23 March 1994, 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 examination and test results are recorded in the test and assessment report BVS PP 09.2014 EG.

(9) The Essential Health and Safety Requirements are assured by compliance with:

EN 60079-0:2006	General requirements
EN 60079-7:2007	Increased safety
EN 60079-11:2007	Intrinsic safety
EN 61241-0:2006	General requirements
EN 61241-1:2004	Protection by enclosures

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the appendix to this certificate.

(11) This EC-Type Examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to Directive 94/9/EC.  
Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate

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



**II 2G Ex e ib IIC T4**  
**II 2D Ex tD A21 IP66 T85°C**

**DEKRA EXAM GmbH**

Bochum, dated 28. January 2009

Signed: Dr. Jockers

Signed: Dr. Eickhoff

\_\_\_\_\_  
Certification body

\_\_\_\_\_  
Special services unit

(13)

Appendix to

(14)

## EC-Type Examination Certificate

### BVS 09 ATEX E 005

(15)

15.1 Subject and type

Portable searchlight type SEB 9, type SEB 9L, type SEB 9 ADR, type SEB 9 DIN and type SEB 9L DIN

15.2 Description

The portable searchlights of the following types, i.e. SEB 9, SEB 9 DIN, SEB 9 ADR, SEB 9L and SEB 9L DIN are electrical equipment of explosion-protected design. Types SEB 9, SEB 9 ADR and SEB 9L are equipped with a halogen lamp featuring a bulb shell (5.5V / 5.5W). Types SEB 9 DIN and SEB 9L DIN are equipped with a xenon lamp (4.8V / 4W). Furthermore, all types are equipped with an incandescent lamp to give supplementary light (4.8V / 1.5W).

The enclosure of the searchlight (light head, connector and battery case) is made of polyamide with a surface resistance of  $\leq 10^9$  Ohm and a light-permitting part made of polycarbonate.

The searchlight type SEB 9 \*\* is of identical construction as searchlight type SEB 8 \*\* except the battery pack. All lights type SEB 9 \*\* are equipped with a specific battery pack (no. 3 1147 009 111 with 4 NiMH cells of 9.5 Ah).

15.3 Parameters

15.3.1 Electrical data (battery pack)  
4x NiMH – 4.8V / 9.5 Ah (all types)

15.3.2 Electrical data (luminaire)  
Main lamp:  
Halogen lamp with bulb shell 5.5V / 5.5W (type SEB 9, type SEB 9L and type SEB 9 ADR)  
Xenon lamp 4.8V / 4W (type SEB 9 DIN and type SEB 9L DIN)  
Supplementary lamp:  
4.8V / 1.5W

(16)

Test and assessment report

BVS PP 09.2014 EG as of 28.01.2009

(17)

Special conditions for safe use


None

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We confirm the correctness of the translation from the German original.  
In the case of arbitration only the German wording shall be valid and binding.

44809 Bochum, 10.02.2009  
BVS-Kr/Ar A 20090008

**DEKRA EXAM GmbH**



Certification body



Special services unit