



Translation

# EC-Type Examination Certificate

(1)

(2)

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

(3)

**BVS 08 ATEX E 158**

(4) **Equipment:** Torch light type Stabex mini LED

(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 09.2008 EG.

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

|                  |                          |
|------------------|--------------------------|
| EN 60079-0:2006  | General requirements     |
| EN 60079-11:2007 | Intrinsic safety 'i'     |
| 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 ib IIC T4**  
**II 2D Ex tD A21 IP66 T85°C**

**DEKRA EXAM GmbH**

Bochum, dated 19. January 2009

Signed: Dr. Jockers

Signed: Dr. Eickhoff

Certification body

Special services unit

(13) Appendix to

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

**BVS 08 ATEX E 158**

(15) 15.1 Subject and type

Torch light type Stabex mini LED

15.2 Description

The torch light type Stabex mini LED is a portable equipment with mounted batteries. The torch light serves as electrical lighting for the application in hazardous areas with explosive gas or dust atmospheres complying with class 2G and 2D.

The torch light is supplied from three alkaline-batteries (mignon cells AA) which shall be changed only outside hazardous areas with explosive atmospheres. The torch light shall not be opened in hazardous areas with explosive atmospheres.

15.3 Parameters

15.3.1 Supply: 3 alkaline-batteries (mignon-cells AA), nominal voltage 4,5 V

The appropriate type of batteries is determined in the instruction manual by Cooper Crouse-Hinds GmbH.

15.3.2 Ambient temperature range:

$-20\text{ °C} \leq T_a \leq +40\text{ °C}$

(16) Test and assessment report

BVS PP 09.2008 EG as of 19.01.2009

(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, 16.02.2009  
BVS-Rip/Ar A 20080809

**DEKRA EXAM GmbH**

  
Certification body

  
Special services unit

Translation

1. Supplement to the EC-Type Examination Certificate

- (2) Equipment and protective systems intended for use in potentially explosive atmospheres - Directive 94/9/EC Supplement accordant with Annex III number 6
- (3) No. of EC-Type Examination Certificate: **BVS 08 ATEX E 158**
- (4) Equipment: **Torch light type Stabex mini LED**
- (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 supplement.
- (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 09.2008 EG.
- (9) The Essential Health and Safety Requirements are assured by compliance with:
  - EN 60079-0:2009           General requirements**
  - EN 60079-11:2007       Intrinsic safety 'i'**
  - EN 60079-31:2009       Equipment dust ignition protection by enclosure 't'**
- (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 supplement to the 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 ib IIC T4 Gb**  
**II 2D Ex tb IIIC T85°C Db IP66**

DEKRA EXAM GmbH  
 Bochum, dated 05.01.2011

Signed: Dr. F. Eickhoff

Signed: Dr. M. Wittler

Certification body

Special services unit

- (13) Appendix to
- (14) **1. Supplement to the EC-Type Examination Certificate  
BVS 08 ATEX E 158**

(15) 15.1 Subject and type

Unchanged

15.2 Description

The torch light type Stabex mini LED can be modified according to the descriptive documents as mentioned in the pertinent test and assessment report.

The torch light type Stabex mini LED was tested in accordance to the standards EN 60079-0:2009, EN 60079-11:2007 and EN 60079-31:2009.

The marking and the documentation were modified in accordance to the standards above.

15.3 Parameters

Unchanged

(16) Test and assessment report

BVS PP 09.2008 EG as of 05.01.2011

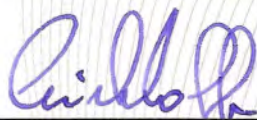
(17) Special conditions for safe use

Unchanged

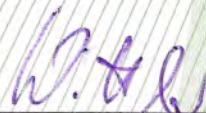
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We confirm the correctness of the translation from the German original.  
In the case of arbitration only the German wording shall be valid and binding.

DEKRA EXAM GmbH  
44809 Bochum, 19.01.2011  
BVS-Rip/Ar E 0048/11



Certification body



Special services unit