

## Translation

# (1) 1<sup>st</sup> 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 11 ATEX E 174**
- (4) Equipment: **Hand light type Stabex HF, type Stabex HF-L and type Stabex HF LED**
- (5) Manufacturer: **Cooper Crouse-Hinds GmbH**
- (6) Address: **Neuer Weg-Nord 49, 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 11.2269 EG.
- (9) The Essential Health and Safety Requirements are assured by compliance with:

<b>EN 60079-0:2012</b>	<b>General requirements</b>
<b>EN 60079-7:2007</b>	<b>Increased safety "e"</b>
<b>EN 60079-11:2012</b>	<b>Intrinsic safety "i"</b>
<b>EN 60079-31:2009</b>	<b>Protection by enclosure "t"</b>

- (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:

	<b>II 2G Ex e ib IIC T4 Gb</b> <b>II 2D Ex tb IIIC T57°C Db</b>	for type Stabex HF
	<b>II 2G Ex e ib IIC T3 Gb</b> <b>II 2D Ex tb IIIC T57°C Db</b>	for type Stabex HF-L
	<b>II 1G Ex ia IIC T4 Ga</b> <b>II 2D Ex tb IIIC T80°C Db</b>	for type Stabex HF LED

DEKRA EXAM GmbH  
Bochum, dated 2014-05-09

Signed: Simanski

Certification body

Signed: Dr. Wittler

Special services unit

- (13) Appendix to
- (14) **1<sup>st</sup> Supplement to the EC-Type Examination Certificate  
BVS 11 ATEX E 174**
- (15) 15.1 Subject and type

Hand light type Stabex HF, type Stabex HF-L and type Stabex HF LED

15.2 Description

The hand light type Stabex HF resp. type Stabex HF-L resp. type Stabex HF LED is a battery supplied portable device. It serves as electrical lighting for the application in hazardous areas with explosive gas or dust atmospheres, category:

2G and 2D for type Stabex HF resp. type Stabex HF-L  
1G and 2D for type Stabex HF LED

The hand light type Stabex HF resp. type Stabex HF LED is supplied by 2 alkaline-batteries (Mono) which have to be changed only outside hazardous areas.

The hand light type Stabex HF-L is supplied by 2 NiCd-batteries which have to be charged only outside hazardous areas (see manufacturer instructions).

The hand lights shall not be opened in hazardous areas.

15.3 Parameters

15.3.1 Hand light type Stabex HF and type Stabex HF LED

Power supply: 2 Alkaline batteries (Mono), nominal voltage 3 V

The applicable type of batteries is specified in the operation manual by the Cooper Crouse-Hinds GmbH.

15.3.2 Hand light type Stabex HF-L

Power supply: 2 NiCd batteries (Mono), nominal voltage 2,4 V

15.3.3 Ambient temperature range : -20 °C up to +40 °C

(16) Test and Assessment Report

BVS PP 11.2269 EG as of 2014-05-09

(17) Special conditions for safe use

None

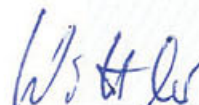
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We confirm the correctness of the translation from the German original.  
In the case of arbitration only the German wording shall be valid and binding.

DEKRA EXAM GmbH  
44809 Bochum, 2014-05-09  
BVS-Rip/Ld/Ma A20120632



Certification body



Special services unit