

Translation

(1) 1st 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:

EN 60079-0:2012	General requirements
EN 60079-7:2007	Increased safety "e"
EN 60079-11:2012	Intrinsic safety "i"
EN 60079-31:2009	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 e ib IIC T4 Gb II 2D Ex tb IIIC T57°C Db	for type Stabex HF
	II 2G Ex e ib IIC T3 Gb II 2D Ex tb IIIC T57°C Db	for type Stabex HF-L
	II 1G Ex ia IIC T4 Ga II 2D Ex tb IIIC T80°C Db	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) **1st 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

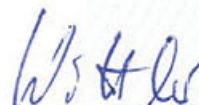
None

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

BVS 11 ATEX E174 ⁽¹⁾

GHG 900 1000 P0117 F

Wir / We / Nous

Cooper Crouse-Hinds GmbH
Neuer Weg-Nord 49
D-69412 Eberbach

erklären in alleiniger Verantwortung, dass das Produkt
hereby declare in our sole responsibility, that the product
déclarons de notre seule responsabilité, que le produit

Handleuchte
hand lamp
lampe portative

Ⓢ II 2 G / Ⓢ II 2 D

Stabex HF / Stabex HF LED

den folgenden EU-Richtlinien, den entsprechenden harmonisierten Normen, und weiteren normativen Dokumenten entspricht.
complies with the following EU directives, their corresponding harmonised standards, and other normative documents.
correspond aux directives européennes suivantes, à leurs normes harmonisées, et aux autres documents normatifs suivants.

Bestimmungen der Richtlinie
Terms of the directive
Prescription de la directive

Titel und / oder Nr. sowie Ausgabedatum der Norm
Title and / or No. and date of issue of the standard
Titre et / ou No. ainsi que date d'émission des normes:

2014/34/EU: Geräte und Schutzsysteme zur bestimmungsgemäßen
Verwendung in explosionsgefährdeten Bereichen.
2014/34/EU: *Equipment and protective systems intended for*
use in potentially explosive atmospheres.
2014/34/UE: *Appareils et systèmes de protection destinés à*
être utilisés en atmosphères explosibles.
(OJ L 96, 29.3.2014, p. 79–106)

EN 60 079-0: 2012 + A11: 2013
EN 60 079-7: 2015
EN 60 079-11: 2012
EN 60 079-31: 2014

2011/65/EU/UE: RoHS –Richtlinie, *RoHS – directive, Directive RoHS*
(OJ L 174, 01.7.2011, p. 88–110)

EN 62471: 2008
EN 60 529: 1991 + A1: 2000 + A2: 2013

EN 50 581: 2012

20.11.2017

Datum
date
date

Die Original-Konformitätserklärung ist dem Produkt beigelegt !
The original declaration of conformity is supplied in the packing with the product !
La déclaration originale de conformité sera fournie avec le produit !

⁽¹⁾ Benannte Stelle (EG-Baumusterprüfbescheinigung)
Notified body (EC-type examination certificate)
Organisme notifié (Examen CE de type)

DEKRA EXAM GmbH (0158)
Dinnendahlstraße 9
D-44809 Bochum

BVS 17 ATEX ZQS/E332 ⁽²⁾

⁽²⁾ Benannte Stelle (Qualitätssicherung Produktion)
Notified body (Production Quality Assurance)
Organisme notifié (Assurance Qualité de Production)

DEKRA EXAM GmbH (0158)
Dinnendahlstraße 9
D-44809 Bochum

Für den sicheren Betrieb des Betriebsmittels sind die Angaben der zugehörigen Betriebsanleitung zu beachten.
For the safe use of this equipment, the information given in the accompanying operating instructions must be followed.
Afin d'assurer le bon fonctionnement de nos appareils, prière de respecter les directives du mode d'emploi correspondant à ceux-ci.



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx BVS 14.0072

Issue No: 0

Certificate history:

Issue No. 0 (2014-07-09)

Status: **Current**

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Date of Issue: **2014-07-09**

Applicant: **Cooper Crouse-Hinds GmbH**
Neuer Weg-Nord 49
69412 Eberbach
Germany

Equipment: **Hand light type Stabex HF, type Stabex HF-L and type Stabex HF LED**

Optional accessory:

Type of Protection: **Equipment protection by intrinsic safety "i", Equipment dust ignition protection by enclosure "t", Equipment protection by increased safety "e"**

Marking: Ex e ib IIC T4 Gb for type Stabex HF
Ex tb III C T57°C Db
Ex e ib IIC T3 Gb for type Stabex HF-L
Ex tb III C T57°C Db
Ex ia IIC T4 Ga for type Stabex HF LED
Ex tb III C T80°C Db

*Approved for issue on behalf of the IECEx
Certification Body:*

Dr. F. Eickhoff

Position:

Deputy Head of Certification Body

*Signature:
(for printed version)*

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany

 **DEKRA**
DEKRA EXAM GmbH



IECEX Certificate of Conformity

Certificate No: IECEx BVS 14.0072 Issue No: 0
Date of Issue: 2014-07-09 Page 2 of 4
Manufacturer: **Cooper Crouse-Hinds GmbH**
Neuer Weg-Nord 49
69412 Eberbach
Germany

Additional Manufacturing location(s):

S.C. Cooper Industries Romania S.R.L.

Zona Industriala Vest, str. III, No. 12,
310510 Arad
Romania

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-11 : 2011 Edition:6.0	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[DE/BVS/ExTR14.0073/00](#)

Quality Assessment Report:

[DE/BVS/QAR11.0006/03](#)

[DE/BVS/QAR11.0009/02](#)



IECEX Certificate of Conformity

Certificate No: IECEx BVS 14.0072

Issue No: 0

Date of Issue: 2014-07-09

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

General product information:

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, EPL:

Gb and Db for type Stabex HF resp. type Stabex HF-L

Ga and Db for type Stabex HF LED

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

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

The hand lights shall not be opened in hazardous areas.

SPECIFIC CONDITIONS OF USE: NO



IECEX Certificate of Conformity

Certificate No: IECEx BVS 14.0072

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EQUIPMENT (continued):

Ratings:

- 1 Hand light type **Stabex HF** and type **Stabex HF LED**

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

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

- 2 Hand light type **Stabex HF-L**

Power supply: Two NiCd batteries (Mono), nominal voltage 2.4 V

- 3 Ambient temperature range: $-20\text{ °C} \leq T_a \leq +40\text{ °C}$