

Translation

EU-Type Examination Certificate

Equipment or Protective System intended for use in potentially explosive atmospheres -
Directive 2014/34/EU

EU-Type Examination Certificate Number: **BVS 15 ATEX E 122**

Product: **Portable searchlight type SEB 10 ***

Manufacturer: **Cooper Crouse-Hinds GmbH**

Address: **Neuer Weg-Nord 49, 69412 Eberbach, Germany**

This product and any acceptable variation thereto are specified in the appendix to this certificate and the documents therein referred to.

DEKRA EXAM GmbH, Notified Body number 0158, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the Confidential Report No. BVS PP 16.2053 EU.


Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

| | |
|-----------------------------------|------------------------------------|
| EN 60079-0:2012 + A11:2013 | General requirements |
| EN 60079-7:2007 | Increased Safety "e" |
| EN 60079-11:2012 | Intrinsic Safety "i" |
| EN 60079-18:2015 | Encapsulation 'm' |
| EN 60079-31:2014 | Protection by Enclosure "t" |

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the appendix to this certificate.

This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

The marking of the product shall include the following:

 **II 2G Ex e ib mb IIC T4 Gb**
II 2D Ex tb IIIC T85°C Db

DEKRA EXAM GmbH
Bochum, 2016-04-20

Signed: Simanski
Certifier

Signed: Dr. Wittler
Approver

13 **Appendix**

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15.1 **Subject and type**

Portable searchlight type SEB10 without internal power supply unit for charging
Portable searchlight type SEB10L with internal power supply unit for charging

15.2 **Description of Product**

The portable searchlight type SEB 10 * is designed in type of protection Increased Safety "e", Intrinsic Safety "i" and Encapsulation "m" for use in areas with potentially hazardous gas atmospheres and in type of protection Protection by Enclosure "t" for use in areas with potentially hazardous dust atmospheres.

It consists of two separated compartments.

1. The battery compartment with the cells, the power supply unit and the driver module for the LED.
2. The luminaire compartment with the LEDs, the power switch and the status LEDs.

Both compartments are connected to each other by use of a hinge.

15.3 **Parameters**

Electrical parameters

Type SEB10

| | | | |
|--------------------------------|----|----------|---|
| Rated voltage (charging) | DC | 20 to 34 | V |
| External charging module LG443 | | | |
| Rated voltage (charging) | DC | 12 or 24 | V |
| Automobile battery | | | |

Type SEB10L

| | | | |
|--------------------------|----|------------|---|
| Rated voltage (charging) | AC | 220 to 250 | V |
| Internal charging module | | | |

Thermal parameters

Ambient temperature range (all variants) $-20\text{ °C} \leq T_{amb} \leq 40\text{ °C}$

Temperature class T4

16 **Report Number**

BVS PP 16.2053 EU, as of 2016-04-20

17 **Specific Conditions of Use**

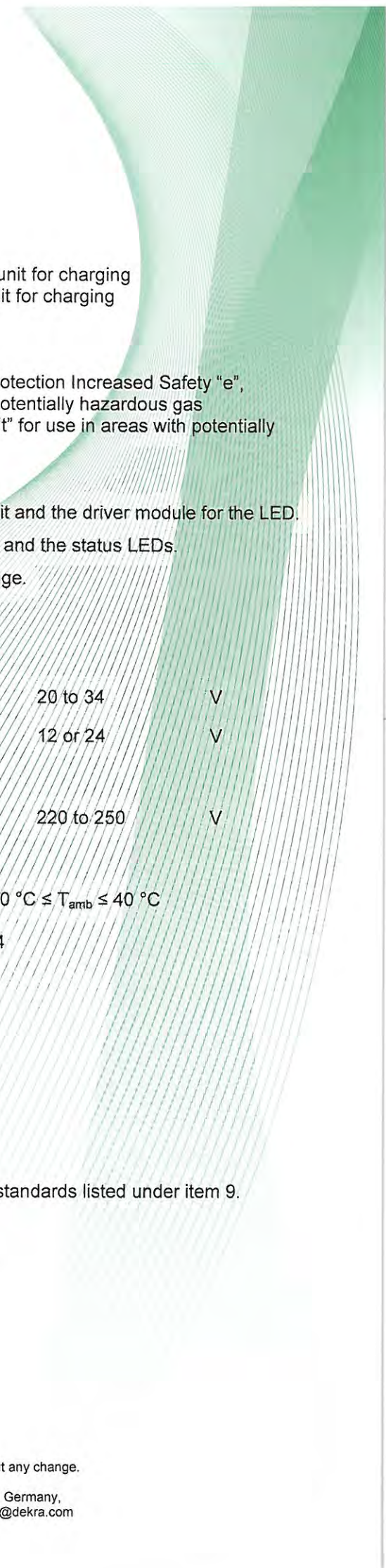
None

18 **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements covered by the standards listed under item 9.

19 **Drawings and Documents**

Drawings and documents are listed in the confidential report.



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
Bochum, dated 2016-04-20
BVS-Kir/Nu A 20131043

Certifier

Approver