



# 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](http://www.iecex.com)

Certificate No.: IECEx BVS 09.0032X

Issue No: 0

Certificate history:

Status: **Current**

Issue No. 5 (2015-03-10)

Issue No. 4 (2014-02-19)

Date of Issue: **2009-09-28**

Page 1 of 3

Issue No. 3 (2013-09-12)

Issue No. 2 (2011-09-22)

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

Issue No. 1 (2010-12-13)

Issue No. 0 (2009-09-28)

Equipment: **Lamp for wall and ceiling suspension type AB05 LED**

*Optional accessory:*

Type of Protection: **Flameproof enclosure 'd', Protection by enclosures "tD"**

Marking: Ex d IIB T6  
Ex tD A21 IP66 T80 °C

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

H.-Ch. Simanski

*Position:*

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 09.0032X Issue No: 0

Date of Issue: **2009-09-28** Page 2 of 3

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

Additional Manufacturing location(s):

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:

<b>IEC 60079-0 : 2004</b> Edition:4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2003</b> Edition:5	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 61241-0 : 2004</b> Edition:1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<b>IEC 61241-1 : 2004</b> Edition:1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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/ExTR09.0047/00](#)

Quality Assessment Report:

[DE/PTB/QAR07.0008/01](#)



# IECEX Certificate of Conformity

Certificate No: IECEx BVS 09.0032X

Issue No: 0

Date of Issue: 2009-09-28

Page 3 of 3

## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

#### Description

The lamp type AB05 LED \*\*\*\*\* is designed for use as a wall and ceiling lamp and manufactured to meet the requirements of the type of protection Flameproof Enclosure.

The lamp consists of a metal enclosure bottom and a guard glued to a glass cover.

The LED modules inserted onto the cooler of the lamp are supplied by the associated LED driver module.

The enclosure of the lamp type AB05 LED \*\*\*\*\* is suitable for use in equipment of group IIB within an ambient temperature range of -55°C to +55°C.

#### Parameters

Nominal voltage AC 230 V

Nominal current 140 mA

Nominal power 31.4 W

Ambient temperature range  $-55^{\circ}\text{C} \leq T_a \leq +55^{\circ}$

#### Item and type

See Annex

### **SPECIFIC CONDITIONS OF USE: YES as shown below:**

The wall and ceiling lamp is suitable to be used in an ambient temperature range of -55°C to + 55°C. In ambient temperature ranges exceeding + 40°C heat-resistant cables and wires have to be installed that can withstand temperatures of minimum +75°C. In order to seal the flameproof compartment special screw and washer assembly have to be used of strength category A4-70. Further information can be found in the instructions.

### **Annex:**

[BVS\\_09\\_0032X\\_Cooper Crouse Hinds\\_Annex.pdf](#)



# IECEX Certificate of Conformity



Certificate No.: **IECEX BVS 09.0032X**  
Annex  
Page 1 of 1

## Item and type

Lamp type	AB05 LED *****	
		Not ex relevant (last four characters)
		1 : without terminal box 2-9 : free
		Type of enclosure entry (character 4 left side, character 5 right side)
		1 : M20 x 1.5 2 : M25 x 1.5 3 : NPT 1/2" 4 : NPT 3/4" 5-9 : free
		1 : 230V 2-9 : free
		1-4 : free 5 : LED 6-9 : free
		1 : free 2 : model Ex d IIB 3-9 : free