



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

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

Certificate No.: **IECEx BKI 07.0008X** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 1 Issue 0 (2007-03-06)
Date of Issue: 2013-11-27
Applicant: **Cooper Crouse Hinds GmbH**
previously CEAG Sicherheitstechnik GmbH
Neuer Weg 49
D-69412 Eberbach, Germany
Germany
Equipment: **Fluorescent luminaires**
Optional accessory: Type AB12 ...
Type of Protection: **General requirements, Flameproof enclosures, Dust explosion protection**
Marking: Ex d IIB T5...T6 /Ex d IIC T5...T6
-20 °C ≤ Tamb ≤ +55 °C or -50 °C ≤ Tamb ≤ +55 °C
Ex tD A21 IP 67 T...°C (T...°C see point 3. of this certificate)

Approved for issue on behalf of the IECEx
Certification Body:

János Fejes

Position:

managing director

Signature:
(for printed version)

Date:
(for printed version)

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 www.iecex.com or use of this QR Code.



Certificate issued by:

Testing Station for Explosion Proof Equipment
H 1037 BUDAPEST
MIKOVINY S.u. 2-4
Hungary





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Issue No: 1

Manufacturer: **Cooper Crouse-Hinds Division**
Cooper Crouse-Hinds SA
Avda, Santa Eulalia, 290
08223 Terrassa (Barcelona), Spain
Spain

Manufacturing
locations:

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 equipment 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 60079-0:2004](#) Edition:4.0 Electrical apparatus for explosive gas atmospheres - Part 0: General requirements

[IEC 60079-1:2003](#) Edition:5 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

[IEC 61241-0:2004](#) Edition:1 Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements

This Certificate **does not** indicate compliance with 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:

[HU/BKI/ExTR07.0007/00](#)

Quality Assessment Report:

[DE/BVS/QAR13.0001/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

See details in Addendum to IECEx BKI 07.0008 X Certificate of Conformity

SPECIFIC CONDITIONS OF USE: YES as shown below:

See details in Addendum to IECEx BKI 07.0008 X Certificate of Conformity



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

New QAR: DE/BVS/QAR13.0001/00

Annex:

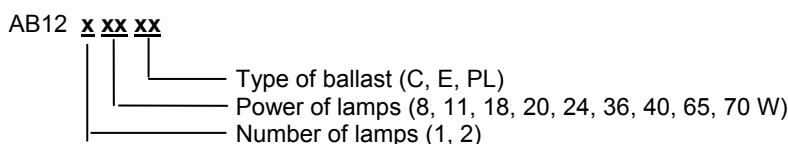
[Addendum to IECEx BKI 07.0008 X.pdf](#)

1. Description

Cylindrical luminaires for tubular fluorescent, compact (PL) and H.P. sodium lamps.

The transparent part is made of glass. It has two different thickness: type S, 7 mm, and type K, 5 mm.

2. Type assortment



3. General parameters

Type	Length (mm)	Number of tubes	Power (W)	Group	Class I		Class II		
					Temperature class		Surface temperature		
					Ta (°C) -20/+40	Ta (°C) -20/+55	Ta (°C) -20/+40	Ta (°C) -20/+55	
AB12 120*	707	1	18/20	IIB	T5	T5	T 78 °C	T 93 °C	
AB12 140*	1320	1	36/40	IIB					
AB12 16*	1620	1	58/65	IIB					
AB12 220*	707	2	18/20	IIB					
AB12 240*	1320	2	36/40	IIB					
AB12 265*	1620	2	58/65	IIB					
AB12 108C	460	1	8	IIC			T6	T 58 °C	T 73 °C
AB12 111PL	460	1	11	IIC			T5	T 76 °C	T 91 °C
AB12 218PL	460	2	18	IIC				T 70 °C	T 85 °C
AB12 124PL	460	1	24	IIC					
AB12 155PL	707	1	55	IIB					
AB12 236PL	707	2	36	IIB					
AB12 NAV 70	460	1	70	IIC	T3		T150°C		
				IIB	Ta (°C) -50/+55 T3		Ta (°C) -50/+55 T 150 °C		

* = C Electromagnetic ballast and starter
Rated voltage: 220 – 230 V 50/60 Hz

* = E Electronic ballast
Rated voltage: 198 – 254 V 50/60 Hz
175 – 280 V dc

4. Ambient temperature

Ambient temperature up to $-20\text{ °C} \leq T_{amb} \leq +55\text{ °C}$ all type
 $-50\text{ °C} \leq T_{amb} \leq +55\text{ °C}$ for type AB12 NAV 70

5. Ingress protection: IP 67 according IEC 60529

6. Special condition for safe use:

Luminaires can be use only in places with low impact danger of mechanical danger except types AB12*40C and AB12*65C having type S glass.



Documentation:

Declaration of Manufacturer	AB12....		2003-03-01	
Description	AB12.doc (7 pp)	2	2002-04-12	
Label	N601114E037	A	2002-04-16	
Schematics:	N506114-0042	A	2000-11-20	
	N506114-0043	A	2000-11-20	
	N506114-0044	A	2000-11-20	
	N506114-0045	A	2000-11-16	
	N506114-0046	A	2000-11-16	
	N506114-0047	A	2000-11-16	
	N506114-0048	A	2000-05-24	
	N506114-0049	A	2000-05-24	
	N506114-0050	A	2000-05-24	
	N506114-0051	A	2000-05-24	
	N506114-0052	A	2000-11-27	
	N506114-0053	A	2000-11-27	
	N506114-0054	A	2000-11-27	
	N506114-0055	A	2000-11-27	
	N506114-0056	A	2000-11-28	
	N506114-0059	A	2002-04-16	
	N506114A0023	A	2000-11-20	
	N506114A0024	A	2000-11-20	
	N506114A0025	A	2000-11-20	
	N506114A0026	A	2000-11-20	
	N506114A0027	A	2000-11-20	
	N506114A0028	A	2000-11-20	
	N506114A0030	A	2000-11-20	
	N506114A0031	A	2000-11-20	
	N506114A0032	A	2000-11-20	
	N506114A0033	A	2000-11-20	
	N506114A0034	A	2000-11-20	
	N506114A0035	A	2000-11-20	
	N506114A0036	E	2002-04-16	
	Drawings:	N506112A0037	A	2000-11-20
		N506112A0034	A	2000-11-20
		N506112A0036	A	2000-11-20
		N506112A0035	A	2000-11-20
N506112A0033		A	2000-11-20	
N506112-0025		--	2000-11-20	
N506112-0026		--	2000-11-20	
N506112-0022	--	2000-05-11		
Description	AB12 NAV 70.doc	--	2005-09-08	