



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.: issue No.:

Status:

Date of Issue: **2008-05-05** Page 1 of 3

Applicant: **Cooper Crouse-Hinds GmbH**
previously CEAG Sicherheitstechnik GmbH
Neuer Weg Nord 49
D-69412 Eberbach, Germany
Germany

Electrical Apparatus: **Empty enclosure**
Optional accessory: **ExTRA..... and Ex-Cell-„I” XCL**

Type of Protection: **General requirements, Increased safety, Dust explosion protection**

Marking: **Ex e II**
-20 °C ≤ Tamb ≤ +40 °C with PUR sealing
-40 °C ≤ Tamb ≤ +55 °C with polymer CR sealing
-55 °C ≤ Tamb ≤ +55 °C with silicon sealing

Approved for issue on behalf of the IECEx Certification Body: János HANKÓ

Position: Director

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:

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





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Manufacturer: **Cooper Crouse-Hinds (UK) Ltd or**
Enclosure Division
Dorset Road
Sheerness
Kent ME 12 1LP
United Kingdom
United Kingdom

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 product 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 electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identity 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 60079-7 : 2001 Edition: 3	Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 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:

[HU/BKI/ExTR08.0001/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0048/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The empty enclosure, type ExTRA..... and Ex Cell-„I“ XCL , consist of stainless-steel housing designed to type of enclosure Increased Safety „e“ which may be provided with flanges if required.

See details in Addendum to IECEx BKI 08.0001 U.

CONDITIONS OF CERTIFICATION: NO

Annexe: [Addendum to IECEx BKI 08.0001 U.pdf](#)

1. Description

The empty enclosure, type ExTRA..... and Ex Cell-„I“ XCL , consist of stainless-steel housing designed to type of enclosure Increased Safety „e“ which may be provided with flanges if required.

The flange plates may be fitted to the empty enclosures by means of a high torque fastener systems. Material PUR, polymer CR and silicon may be used as sealing material.

The empty enclosures using PUR sealing material may also be employed in areas in which a potentially explosive atmosphere as a mixture of dust and air can occasionally form.

2. Type assortment

2.1 Base version

ExTRA

1._, 2._, 3._, 4._, 5._	Code for manufacturer
6._, 7._, 8._, 9._, 10._, 11._, 12._, 13._	Enclosure size
	6._, 7._, 8._ Width
	9._, 10._, 11._ Length
	12._, 13._ Depth

2.2 Modified version

Ex-Cell-„I“ XCL

1._, 2._, 3._, 4._, 5._, 6._, 7._, 8._, 9._, 10._	Code for manufacturer
11._, 12._, 13._, 14._, 15._, 16._, 17._, 18._	Enclosure size
	11._, 12._, 13._ Width
	14._, 15._, 16._ Length
	17._, 18._ Depth

3. General parameters

Electrical data

Sizes Typ ExTRA.....	Width	Length	Depth
smallest	300 mm	200 mm	150 mm
largest	1000 mm	800 mm	300 mm
Sizes Typ Ex-Cell-„I“ XCL.....	Width	Length	Depth
smallest	228 mm	152 mm	127 mm
largest	1000 mm	800 mm	300 mm

4. Ambient temperature subject to the sealing used

-20 °C ≤ Tamb ≤ +40 °C with PUR sealing
-40 °C ≤ Tamb ≤ +55 °C with polymer CR sealing
-55 °C ≤ Tamb ≤ +55 °C with silicon sealing

5. Ingress protection IP66 in compliance with IEC 60529 for PUR sealing
IP54 in compliance with IEC 60529 for silicon and polymer CR sealing

Drawing		Sheets	Signed on
Description No.	4258	5	2002-02-09
Drawing Quarter-Turn Latch System		1	2002-02-09
Drawing No.	747109	1	2002-02-09
	747110	1	2002-02-09
	747065	1	2002-02-09
	747064	1	2002-02-09
	723821	1	2002-02-09

b) Test records and support material

CEAG test record No.	01-MI4-C1-200102	1	2002-02-29
TÜV test record on the adhesive properties of the marking labels No.	9505082	1	1995-05-24
Data sheets for the elastomers used polymer CR		2	2002-02
Test record	PTB Ex 02-12044	3	2002-04-08



1st Supplement Descriptive documents

Description		2	2004-05-13
Drawing No.	GHG 9026001	1	2004-04-26
	725260	1	2004-04-26
	747109	1	2004-04-29
	747110	1	2004-04-29
	725255	1	2004-04-26
	747256	1	2004-04-26
	725257	1	2004-04-26

b) Test reports and information material

Operating manual			
CEAG test report No.	01-MI4-C1-05112003	2	2004-01-08
CEAG test report No.	04-MI4-C1-18122003	3	2004-02-06
Documents for the high torque fastener system		10	2002-03-01
BVS test report No. 13862		2	2002-04-16
Data sheet – PUR sealing material			
Data sheet – polymer CR sealing material			