



# 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 BKI 06.0007 Issue No: 0 Certificate history:  
Status: **Current** Issue No. 3 (2017-08-07)  
Date of Issue: **2006-09-05** Page 1 of 3 Issue No. 2 (2014-06-16)  
Applicant: **Cooper Crouse-Hinds GmbH** Issue No. 1 (2011-09-19)  
previously CEAG Sicherheitstechnik GmbH Issue No. 0 (2006-09-05)  
Neuer Weg Nord 49  
D-69412 Eberbach, Germany  
**Germany**  
Equipment: **Energy distribution, switching and control assembly**  
Optional accessory: *Type GHG 619 .. ....*  
Type of Protection: **General requirements, Flameproof enclosure, Increased safety, Intrinsic safety, Encapsulation**  
Marking: Ex de ia/ib m [ia/ib] IIC T4...T6  
-55 °C ≤ Tamb ≤ +55 °C  
Ex tD A21 IP66 T 80 °C

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 GmbH**  
previously CEAG Sicherheitstechnik GmbH  
Neuer Weg Nord 49  
D-69412 Eberbach, Germany  
**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 60079-11 : 1999</b> Edition:4	Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'i'
<b>IEC 60079-18 : 1992</b> Edition:1	Electrical apparatus for explosive gas atmospheres - Part 18: Encapsulation 'm'
<b>IEC 60079-7 : 2001</b> Edition:3	Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'
<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:

[HU/BKI/ExTR06.0011/00](#)

Quality Assessment Report:

[HU/BKI/QAR06.0005/00](#)



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## Schedule

### EQUIPMENT:

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

See details in Addendum to IECEx BKI 06.0007

**SPECIFIC CONDITIONS OF USE: NO**

### Annex:

[Addendum to IECEx BKI 06.0007.pdf](#)

## 1. Description

The energetic distribution assembly with single or multiple enclosure consists of assembled electrical apparatus for which separate certificates have been issued, as follows:

miniature circuit-breaker board GHG 619 .. .... ,

According to the above these assembled components may be used separately.

The distribution of the energy may basically take place without or with bus system.

Relevant technical details are given in the test documents.

Within this combination, apparatus for which separate certificates have been issued and which are compiled in the „List of component variants and their combinations” may be used.

## 2. Type assortment

GHG 619 .. ....

Legend of the signs from left to right

1._, 2._, 3._	Code for Manufacturer
4._, 5._, 6._	Code for Energy distribution, switching and control assembly
7._, 8._	Sign of material 00 = Moulded plastic 01 = Stainless steel 02 = Sheet steel with varnish 03 = Cu-Ni alloy
9._, 10._, 11._, 12._, 13._, 14._, 15._	Sign this have not a bearing on an explosion proof protective mode

## 3. General parameters

### Electrical data

Rated voltage: max. 730 V

Rated current: max. 180 A

Rated connecting cross-section: max 240 mm<sup>2</sup>

Rated short-circuit current: max. 47 kA

Rated short-time current: max. 1378 A

Length of one overall unit: max. 6,8 m

Electrical safety: Shock-hazard protection by (IEC 60598) For combinations with bus system a temperature of -20 °C must in any case be reached.

The rated values are maximum values; the actual values must be equal or smaller and are dependent by the assembly of the single enclosures to form combined enclosures; they are determined by the individual components with maximum rated values.

The series fuse or protective system must be so selected that the maximum rated current, the maximum rated short-circuit current and the maximum rated short-time current (1 s) are safety cut-off.

All components stated in the „List of component variant and their combinations” might be used in the combination.

The maximum assemblies and the special conditions of the individual components are to be observed.

## 4. Ambient temperature

Ambient temperature range  
-55 °C to ... +55 °C

Temperature class  
T4...T6

5. Ingress protection: IP66 to IEC 60529 (moulded plastic enclosure)  
IP54 to IEC 60529 (stainless or sheet steel enclosure)

**Drawings:**

Description No. 4186 (20 sheets) 1999. 10. 10.

List of component variant and their combinations (1 sheet) 1999. 12. 10.

Drawings	GHG 75-2-3881	2 sheets	1999. 09. 28.
	GHG 74-4-3738	1 sheet	1999. 09. 28.
	GHG 75-4-3880	1 sheet	1999. 09. 28.
	GHG 75-2-3884	1 sheet	1999. 09. 28.
	GHG 74-2-3908	1 sheet	1999. 09. 28.
	GHG 74-1-3909	1 sheet	1999. 09. 28.
	GHG 74-2-3124	1 sheet	1999. 09. 28.
	74-2-3831	1 sheet	1999. 09. 27.
	74-3-3832	1 sheet	1999. 09. 27.
	GHG 74-3-3788	1 sheet	1999. 09. 27.
	GHG 75-3-3205	1 sheet	1999. 09. 27.
	Chart GHG 74...	34 sheets	1999. 10. 10.
Drawings	GHG 74-4-3738	1 sheet	1999. 09. 27.
	GHG 75-4-3880	1 sheet	1999. 09. 27.
	GHG 75-2-3884	1 sheet	1999. 09. 27.
	GHG 60-1-3899	1 sheet	1999. 09. 27.
	GHG 41-2-4045	1 sheet	1999. 09. 27.
	GHG 75-2-3859	1 sheet	1999. 10. 10.
	GHG 619-0-3875	1 sheet	1999. 09. 27.
	Operating instructions		1999. 09. 27.

**Test protocols and information documents:**

Test report No. PTB Ex 99-19131 (5 sheets) 1999. 12. 16.

Test protocol of DMT N. BVS PP 01.2075EG 2001. 07. 11.

Test reports No. PTB Ex 01-11219 (2 sheets) 2001. 10. 01.

Chart Nr. 35, 36, 37 (3 sheets) 2001. 12. 01.

Test reports No PTB Ex 01-11319 (2 sheets) 2002. 01. 31.

Test protocol of DMT No. BVS PP 02.2017 EG 2002. 02. 28.

DMT No BVS PP 02.2018 EG 2002. 02. 28.

Test report No. PTB Ex 02-12099 (2 sheets) 2002. 05. 13.

Technical report of heat test of TÜV Süddeutschland BB-NEG2-MAN-K/m/Rg (6 sheets) 1999. 11. 10.