



# 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 04.0002

Issue No: 0

Certificate history:

Issue No. 4 (2016-11-03)

Issue No. 3 (2012-03-13)

Issue No. 2 (2011-09-19)

Issue No. 1 (2008-11-28)

Issue No. 0 (2004-12-01)

Status: **Current**

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Date of Issue: **2004-12-01**

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

Equipment: **Plug and socket device, Typ GHG 51. ....R....**

*Optional accessory:*

Type of Protection: **General requirements, Flameproof enclosures, Increased safety, Intrinsic safety**

Marking: Ex ed [ia] IIC T6 or T5  
-55 °C ≤ Tamb ≤ +55 °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 electrical 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 : 2000</b> Edition:3.1	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2001</b> Edition:4	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosures 'd'
<b>IEC 60079-11 : 1999</b> Edition:4	Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'i'
<b>IEC 60079-7 : 2001</b> Edition:3	Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'

*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*

IECEx ATR:  
HU/BKI/04/P-002-04/1-1, HU/BKI/04/P-002-04/1-2  
HU/BKI/04/P-002-04/1-3, HU/BKI/04/P-002-04/1-4

File Reference:  
P-002-04/1



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## Schedule

### EQUIPMENT:

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

The type GHG 51 The type GHG 51. ....R.... plug-and-socket device serves to connect portable electrical apparatus or to make connections in potentially explosive atmospheres.

The following variant is permissible: transformer plugs (isolating transformer, class of protection II).

Extra-low-voltage version: type GHG 513....R....

The wall mounting socket outlet, type 511.4..R.... may also be provided with an auxiliary switch for operation with an intrinsically safe circuit.

### Plug connector

The plug-and-socket device, type GHG 511....R....., is supplemented by plug connector GHG 531.7..V.... (old design) of plug-and-socket device GHG 531....V.... (old Certificate of Conformity PTB No. Ex-85.B.1115), which has the same explosion-proof characteristics.

The plug-and-socket device may also be used in the hazardous area „dust“.

The plug-and-socket device, type GHG 51. ....R....., may also be manufactured with the different modifications.

Rated voltage ... up to 690 V

Rated current ... max. 16/20 A



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Utilization category AC-3

## Transformer plug

Rated voltage, primary ... up to 250 V

Rated voltage, secondary ... up to 42 V

Power consumption max 65 VA

Miniatur fuse ... 0,5 A

Temperature class T5

The plug-and-socket device type GHG 513....R.... is supplemented by an extra-low-voltage version

Rated insulating voltage ... up to 60 V

Rated voltage ... up to 50 V 50 V 50 V

Rated current ... max 16 A 16 A 10 A

Utilization category ... AC-3 DC-1 DC-11

Rated frequency ... up to 400 Hz

Rated cross-section 2,5 mm<sup>2</sup> or 4 mm<sup>2</sup>

Ingress protection: IP66 by IEC 60529



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**SPECIFIC CONDITIONS OF USE: NO**