



# 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 04.0006

Issue No: 1

Certificate history:

[Issue No. 3 \(2013-11-12\)](#)

[Issue No. 2 \(2011-09-19\)](#)

[Issue No. 1 \(2006-04-06\)](#)

Status: **Current**

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Date of Issue: **2006-04-06**

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 512 ....R....**

*Optional accessory:*

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

Marking: Ex ed 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](#).

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 60079-7 : 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-002-04/5-1, HU/BKI/04/P-002-04/5-2  
HU/BKI/04/P-002-04/5-3  
HU/BKI/ExTR06.0006/00, HU/BKI/QAR06.0004/00

File Reference:  
P-002-04/5  
P-008-05/16



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## Schedule

### EQUIPMENT:

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

The type GHG 512....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). Auxiliary or control contacts in wall-mounting socket outlets may optionally be used.

Staggered grooves guarantee that only plugs or socket outlets of identical rated voltage will be used together. Mechanical marking ensures that the plugs of the type GHG 532....V.... plug-and-socket device (Certificate of Conformity PTB Nr. Ex-85.B.1066) can be used for the wall-mounting socket outlet and the coupling.

Rated voltage .....	up to	750 V
Rated current .....	max	32 A
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
Miniature fuse ...		0,5 A
Temperature class		T5
Rated frequency .....	up to	400 Hz
Rated cross-section	plug max.	6 mm <sup>2</sup>
	coupling max	4 mm <sup>2</sup>
	wall-mounting socket max	4 mm <sup>2</sup>
	main terminals	10 mm <sup>2</sup>
	auxiliary terminals	2,5 mm <sup>2</sup>

Ingress protection: IP54 by IEC 60529

SPECIFIC CONDITIONS OF USE: NO



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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

The plug-and socket device may also be used in the hazardous area „dust“. In that case, the marking is as follows: Ex ed IIC T6 or T5  
Ex tD A21 IP66 T60 °C -55 °C ≤ Tamb ≤ +55 °C -20 °C ≤ Tamb ≤ +40 °C Drawings: Nr. 4184 Description 1st Amendment to  
Description Nr. 4184 GHG 512 Operating Instructions GHG-51-3-4018 GHG-51-2-4013 GHG-51-1-4011 GHG-51-1-4012 Standards:  
IEC 61241-0 1st Edition IEC 61241-1 1st Edition