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 07.0036**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 2	Issue 1 (2011-09-19) Issue 0 (2007-10-02)
Date of Issue:	2012-03-08		

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

Equipment: **Installation switch**

Optional accessory: Type GHG 273 ….R….

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

Marking: Ex ed IIC T6
Tamb see 4. Point
Ex tD A21 IP66 T 67 °C

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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Manufacturer: **Cooper Crouse-Hinds GmbH**
Neuer Weg Nord 49
D-69412 Eberbach, Germany
Germany

Manufacturing locations: **S.C. Cooper Industries Romania S.R.L**
ARAD, Zona Industrial NV, str III, no. 12
Romania
Romania

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 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 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/ExTR07.0035/00

Quality Assessment Reports:

DE/BVS/QAR11.0006/01 DE/BVS/QAR11.0009/00 HU/BKI/QAR06.0005/01

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The installation switch type GHG 273 ….R…. serves as a current switch for light, load and control circuits.
It is connected via terminals integrated in the socket. If this type is made from a material of surface resistance of ≥ 1 GΩ, it will carry a warning note.
See details in Addendum to IECEx BKI 07.0036.

SPECIFIC CONDITIONS OF USE: NO

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
New manufacturing location:

S.C. Cooper Industries Romania S.R.L, Romania

Annex:

Addendum to IECEx BKI 07.0036.pdf

ADDENDUM TO IECEx CERTIFICATE OF CONFORMITY

IECEx BKI 07.0036

1. Description

The installation switch type GHG 273 ….R…. serves as a current switch for light, load and control circuits.
It is connected via terminals integrated in the socket. If this type is made from a material of surface resistance of ≥ 1 GΩ, it will carry a warning note.

2. Type assortment

GHG 273….R….
Legend of the signs from left to right

1._, 2._, 3._	Code for manufacturer
4._, 5._	Code for apparatus group
6._	Code for enclosure material 3 = plastic made of non-combustible material
7._	Type of switch 1 = cut-out, one pole 2 = cut-out, two pole 3 = pushbutton, one pole 4 = pushbutton, two pole 5 = series switch 6 = changeover switch 7 = one-pole, double switch 8 = one-pole, double pushbutton
8._, 9._, 10._, 11._, 12._, 13._, 14._, 15._	No influence on the explosion protection

3. General parameters

Rated voltage Ue … up to 250 V
Rated current Ie … max 16 A
In accordance with the relevant provisious, rated values other than those stated above are permissible if the marking and breaking capacity is complied with; they have been specified by the manufacturer as a function of the mode of operation, utilization, category, etc.
At a rated thermal current I_{th} … 16 A
for use in areas of temperature class T6
Rated cross section … max. 2 × 4 mm^2 solid lead
2 × 2,5 mm^2 flexible lead

4. Ambient temperature

When used in areas exposed to gas, vapours, fog:
Ambient temperature range, when connecting 1,5 mm^2 conductors -55 °C ≤ Tamb ≤ +40 °C
Ambient temperature range, when connecting 2,5 mm^2 conductors -55 °C ≤ Tamb ≤ +55 °C
When used in areas exposed to flammable dust:
Ambient temperature range, when connecting 1,5 mm^2 conductors -20 °C ≤ Tamb ≤ +40 °C
Ambient temperature range, when connecting 2,5 mm^2 conductors -20 °C ≤ Tamb ≤ +55 °C

4.1 Temperature class T6

4.2 Surface temperature T 67 °C

5. Ingress protection IP66 to IEC 60529

Drawing			
Description	No. 4171	3 pages	1998.01.21.
Annex to description	No 4171	3 pages	1998.01.21.
Drawing No.	GHG 27-4-4262		1998.01.21.
	GHG 27-1-4264		1998.01.21.
Test Report	PTB Ex 98-30008	3 pages	1998.10.15.
1. Supplement Descriptive documents			
Description to 1. Supplement		1 page	2000.09.06.
Test Report	BVS PP 00.2046 EG	7 pages	2000.09.15.
Test Report	PTB Ex 00-30082	4 pages	2000.10.18.
Description	No. 4170 to built in switch	4 pages	1998.01.21.
Annex to description	No. 4170	1 page	1998.01.21.
Drawing	No GHG 27-3-4263		1998.01.21.
Table of Gaps		1 page	1998.01.21.
Test Report	PTB 98-18148	3 pages	1998.10.15.