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 07.0005**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 3	Issue 2 (2013-11-12) Issue 1 (2011-09-19) Issue 0 (2007-03-06)
Date of Issue:	2018-11-22		

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

Equipment: **Load, master, motor and safety switch**

Optional accessory: Type GHG 26. ….R….

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

Marking: Ex de IIC T6
-55 °C ≤ Tamb ≤ +45 °C
Ex tD A21 IP66 T53°C

Approved for issue on behalf of the IECEx Certification Body: **Edit Molnár**

Position: **Head of the Certification Body**

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**
previously CEAG Sicherheitstechnik GmbH
Neuer Weg Nord 49
D-69412 Eberbach, Germany
Germany

Manufacturing locations:

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 60079-1:2001 Edition:4	Electrical apparatus for explosive gas atmospheres - Part 1: 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/ExTR07.0004/00

Quality Assessment Report:

DE/BVS/QAR11.0009/08

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

See details in Addendum to IECEx BKI 07.0005 Certificate of Conformity

SPECIFIC CONDITIONS OF USE: NO
Issue 3

deleting the manufacturing location S.C. COOPER INDUSTRIES ROMANIA S.R.L

Issue 2
Adding new manufacturing location:
S.C. COOPER INDUSTRIES ROMANIA S.R.L
ARAD, Zona Industrial NV, str III, no 12
ROMANIA

The IECEx QAR of the new manufacturing location: DE/BVS/QAR11.0006/02

Issue 1
new QAR: DE/BVS/QAR11.0009/00

Annex:

Addendum to IECEx BKI 07.0005.pdf

ADDENDUM TO IECEx CERTIFICATE OF CONFORMITY

IECEx BKI 07.0005

1. Description

The load, master, motor and safety switch of type GHG 26. ….R… is composed of one or two enclosures made of plastics, sheet steel or Cu-Ni alloy of the type of protection increased safety „e" with incorporated – separately certified – built-in switch components and, if and when required, one or two auxiliary switches of the type of protection flameproof enclosure „d" and, depending on the enclosure size, with incorporated – separately certified – measuring instruments, pushbuttons, indicating lamps and terminals. Via an additional operating knob, a leading converter can be controlled in front of the cut-off point proper.
Cable entries, for which a separate certificate has been issued, are used for external connection.
The load interrupter, master, motor protection and safety switch type GHG 26. …. R …. may now also be used in areas where potentially explosive atmospheres with dust/air mixtures may occasionally occur.
The composition of the symbol specifying the type of protection depends on the types of protection of the components used.

2. Type assortment

GHG 26. ….R….
Legend of the signs from left to right

1._, 2._, 3._	Code for manufacturer
4._, 5._	Apparatus (switch)
6._	Rated current 5 = 125 A 6 = 180 A
7._, 8._	Enclosure design
9._, 10._	Number of poles
11._, 12._, 13._, 14._, 15._	No influence on protection

3. General parameters

Technical data

Built-in switch component GHG 26. ….R….

Utilization category AC 1
Rated voltage U_e …….. up to 690 V
Rated current I_e …… max. 180 A

Utilization category AC 3

Rated voltage U_e …….. up to	400 V	500 V	690 V
Rated current I_e …… max.	180 A	150 A	125 A

Rated cross-section with appertaining terminal end
50 mm^2 for 125 A
70 mm^2 for 150 A
120 mm^2 for 185 A

Built-in switch component GHG 2.. … R….

Utilization category AC 1
Rated voltage U_e …….. up to 690 V
Rated current I_e …… max. 20 A

Utilization category AC 3

Rated voltage U_e …….. up to	400 V	500 V	690 V
Rated current I_e …… max.	20 A	16 A	10 A

Utilization category AC 11

Rated voltage U_e …….. up to	230 V	400 V	690 V
Rated current I_e …… max.	8 A	6 A	6 A

Utilization category DC 11

Rated voltage U_e …….. up to	24 V	110 V	230 V
Rated current I_e …… max.	6 A	0,6 A	0,4 A
L/R	60 ms	30 ms	20 ms

Rated cross-section max. 2,5 mm^2 (finely stranded) or 4 mm^2 (single core)

In accordance with the relevant provisions, rated values other than those stated above are permissible if the making and breaking capacity is complied with; they must be specified by the manufacturer, dependent on the mode of operation, utilization category, etc.

4. Ambient temperature

Ambient temperature up to -55 °C ≤ Tamb ≤ +45 °C

5. Ingress protection IP66 by IEC 60529

Conditions of Certification: No

Drawings

Description	No. 4210	(9 sheets)	1999.10.07
Annex to description	No. 4210	(3 sheets)	1999.10.07
Operating instructions No.			
	GHG 260 7211 P0002 D/EF(F)	(8 sheets)	2000.11.15
	GHG 260 7007 P0001 D/EF(F)	(6 sheets)	2000.11.15
Drawing Z.Nr.	GHG 265-1-4284		1999.11.08
	265-1-4286		1999.11.08
	265-1-4287		1999.11.08
	266-1-4285		1999.11.08
	266-1-4288		1999.11.08
	266-4-4283		1999.11.08
1. Supplement to description	Nr. 4210	(1 sheet)	2001.04.10
Test Protocol Nr.	BVS PP01.2024 EG.		2001.03.19
Test protocol Nr.	VB-IE1-ExS-86.06		1986.05.28
IEC Ex Certificate of Conformity	IEC Ex BKI 05.0011U		
IEC Ex Certificate of Conformity	IEC Ex BKI 05.0015U		
Test protocol Nr.	VB-IE1-EXS-85.09		1985.06.11