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

Certificate No.: IECEx BVS 16.0045

Issue No: 0

Certificate history:
Issue No. 1 (2017-11-13)
Issue No. 0 (2016-08-17)

Status: **Current**

Date of Issue: **2016-08-17**

Applicant: **Cooper Crouse-Hinds GmbH**
Neuer Weg-Nord 49
69412 Eberbach
Germany

Equipment: **Control-, load-, master-, motor- and safety switch type GHG 26100 ** R ****

Optional accessory:

Type of Protection: **Equipment protection by flameproof enclosures "d", Equipment dust ignition protection by enclosure "t", Equipment protection by increased safety "e"**

Marking: Ex eb db IIC T6 Gb
Ex tb III C T80°C Db

Approved for issue on behalf of the IECEx Certification Body: Dr. F. Eickhoff

Position: Deputy Head of Certification Body

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:

DEKRA EXAM GmbH
Dinnendahlstrasse 9
44809 Bochum
Germany

DEKRA
On the safe side.

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

Additional Manufacturing location(s):

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

IEC 60079-0 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2015 Edition:5.0	Explosive atmospheres – Part 7: Equipment protection by 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

Test Report:

DE/BVS/ExTR16.0053/00

Quality Assessment Report:

DE/BVS/QAR11.0006/05 DE/BVS/QAR11.0009/04

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Subject and Type

Control-, load-, master-, motor- and safety switch
GHG 26100 **[1]) R ****[2])

2 switch

6100 10 A switch

**[1]) variants, not relevant for explosion protection

R ATEX/IECEx variant

****[2]) variants, not relevant for explosion protection

Description

The control, load, master, motor and safety switch type GHG 26100 ** R **** consists of a plastic enclosure in type of protection Increased Safety “e” and Protection by enclosure “t”. The enclosure includes a switch base in type of protection Flameproof encapsulation “d” according to IECEx BVS 13.0108U and a terminal block in type of protection Increased safety “e” according to IECEx PTB 15.0028U.

Listing of all components used referring to older standards

Subject and type	Certificate	Standards
Switch base GHG238 **** R ****	IECEx BVS 13.0108U	IEC 60079-0:2011 Ed. 6.0 IEC 60079-1:2007 Ed. 6[1] IEC 60079-11:2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4[1]
Terminal block GHG 240 130* R ****	IECEx PTB 15.0028U	IEC 60079-0:2011 Ed. 6.0 IEC 60079-7:2006 Ed. 4[1]

[1]) No applicable technical differences
[2]) Technical differences evaluated and found satisfactory

SPECIFIC CONDITIONS OF USE: NO

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EQUIPMENT (continued):

Parameters

Electrical data

Rated voltage	500 V 50/60	Hz
Rated current	10 A	

Thermal data

Temperature class	T6
Maximum surface temperature	T80 °C
Permitted ambient temperature range	-20 °C ≤ Tamb ≤ +49 °C