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 PTB 03.0000	Issue No: 2	Certificate history:
			Issue No. 2 (2011-09-12)
Status:	**Current**	Page 1 of 4	Issue No. 1 (2011-02-04)
			Issue No. 0 (2003-09-15)
Date of Issue:	**2011-09-12**		
Applicant:	**Cooper Crouse Hinds GmbH** Neuer Weg Nord 49 D-69412 Eberbach **Germany**		
Electrical Apparatus:	**Blanking Element Type GHG 960 **** * ******		
Optional accessory:			
Type of Protection:	**Increased Safety**		
Marking:	Ex e IIC Gb Ex tb IIIC Db IP66/IP65 alternativ Ex eb IIC Ex tb IIIC IP66/IP65		

Approved for issue on behalf of the IECEx Certification Body: Dr.-Ing. Ulrich Johannsmeyer

Position: Head of Department "Intrinsic Safety and Safety of Systems"

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:

IECEx Certificate of Conformity

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Manufacturer:	**Cooper Crouse-Hinds GmbH** Neuer Weg Nord 47 D-69412 Eberbach **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:

IEC 60079-0 : 2007-10 Edition:5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'
IEC 60079-7 : 2006-07 Edition:4	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/PTB/ExTR11.0013/00

Quality Assessment Report:

DE/BVS/QAR11.0009/00

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description
The blanking element type GHG 960 **** * **** made of polyamide serves to close threaded holes for cable entries in enclosures. Dependend on the size they can be used for enclosures in the type of protection Increased safety "e" and Protection by enclosure "tb". Installation in clearance holes is with lock nuts made of brass or polyamide.

Size M16 x 1,5 to M50 x 1,5: type of protection Increased safety "e" and Protection by enclosure "tb"
Size M63 x 1,5: type of protection Increased safety "e"

Technical data and Nomenclature: see attachment.

CONDITIONS OF CERTIFICATION: NO

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

New QAR

Annex:

Attachment-IECEx PTB 03_0000_Rev1.pdf

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

Electrical Apparatus: Blanking element type GHG 960 **** * ****

Description

The type GHG 960 **** * **** blanking element made of polyamide serves to close threaded holes for cable entries in enclosures. Dependend on the size they can be used for enclosures in the type of protection Increased safety "e" and Protection by enclosure "tb". Installation in clearance holes is with lock nuts made of brass or polyamide.

Size M16 x 1,5 to M50 x 1,5: type of protection Increased safety "e" and Protection by enclosure "tb"

Size M63 x 1,5: type of protection Increased safety "e"

Technical data

Designation M16x1,5 – M50x1,5	Unique specimen	Package	
		without O-Ring	witht O-Ring
Blanking element M16 x 1,5	GHG 960 6633 P	GHG 960 1952 R	GHG 960 1953 R ....
Blanking element M20 x 1,5	GHG 960 6634 P	GHG 960 1952 R	GHG 960 1953 R ....
Blanking element M25 x 1,5	GHG 960 6635 P	GHG 960 1952 R	GHG 960 1953 R....
Blanking element M32 x 1,5	GHG 960 6636 P	GHG 960 1952 R	GHG 960 1953 R....
Blanking element M40 x 1,5	GHG 960 6637 P	GHG 960 1952 R	GHG 960 1953 R ....
Blanking element M50 x 1,5	GHG 960 6638 P	GHG 960 1952 R	GHG 960 1953 R ....

Designation M63 x 1,5	Unique specimen	Package
Blanking element M63 x 1,5	GHG 960 1924 R0068	GHG 960 1952R ....

Service temperature range M16 x 1,5 to M50 x 1,5 M63 x 1,5	 -55 °C to +95 °C -20 °C to +80 °C
Degree of mechanical hazard	high
Wallthickness	≥ 3,5 mm
Ingress protection	
M16x1,5 –M50x1,5	IP66
M63 x 1,5	IP65

Physikalisch-Technische Bundesanstalt (PTB)
Bundesallee 100, 38116 Braunschweig, Germany
Postfach 33 45, 38023 Braunschweig, Germany
Telephone +49 531 592-0, Telefax +49 531 592-3605

Nomenclature

GHG 960	****	*	****
1	2	3	4

1: Type designation of the blanking element
2: Designation of size and equipment (see list above)
3: P = Unique specimen
R = Package
4: Without influence on the type of protection

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