



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 05.0004X Issue No: 1 Certificate history:
Status: **Current** Page 1 of 5 [Issue No. 1 \(2011-09-12\)](#)
Date of Issue: **2011-09-12** [Issue No. 0 \(2005-02-01\)](#)
Applicant: **COOPER Crouse Hinds GmbH**
Neuer Weg Nord 49
69412 Eberbach
Germany
Electrical Apparatus: **Cable Gland Type GHG 960 92. P...**
Optional accessory:
Type of Protection: **Increased Safety**
Marking: Ex e II
T amb -55 °C to +70 °C

*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

Certificate No: IECEx PTB 05.0004X Issue No: 1

Date of Issue: 2011-09-12 Page 2 of 5

Manufacturer: **COOPER Crouse Hinds GmbH**
Neuer Weg Nord 49
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 : 2000 Electrical apparatus for explosive gas atmospheres - Part 0: General requirements

Edition:3.1

IEC 60079-7 : 2001 Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety 'e'

Edition:3

*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:

DE/PTB/04-015

IECEX QAR

DE/BVS/QAR11.0009/00

File Reference:

B993128 / B993101



IECEx Certificate of Conformity

Certificate No: IECEx PTB 05.0004X

Issue No: 1

Date of Issue: 2011-09-12

Page 3 of 5

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

The cable entry, type GHG 960 92.. P.... made of Polyamide or Frianyl serves to introduce permanently laid cables into electrical equipment of the type of protection Increased Safety "e". The cable entry is composed of intermediate glands with two different widths of threaded joint, a sealing ring of different designs and a cap nut. Accessories are: blanking element, reducing gland and expansion gland. They are installed in enclosures with through-holes or threaded holes, with or without lock nut.

Technical data

Nominal size	Degree of mechanical hazard:	max. Temperature range	Cable Diameter
M 12 x 1,5 Frianyl Polyamide	low low	- 20 °C to + 70 °C - 55 °C to + 70 °C	from 4,0 mm to 7,0 mm
M 16 x 1,5 Frianyl Polyamide	low low	- 20 °C to + 70 °C - 55 °C to + 70 °C	from 5,5 mm to 10,0 mm
M 20 x 1,5 Frianyl Polyamide, Frianyl	high low	- 40 °C to + 70 °C - 55 °C to + 70 °C	from 5,5 mm to 13,0 mm
M 25 x 1,5 Frianyl Polyamide, Frianyl	high low	- 25 °C to + 70 °C - 55 °C to + 70 °C	from 8,0 mm to 17,5 mm from 8,0 mm to 15,5 mm
M 32 x 1,5 Polyamide, Frianyl	high	- 55 °C to + 70 °C	from 12,0 mm to 21,0 mm
M 40 x 1,5 Polyamide, Frianyl	high	- 55 °C to + 70 °C	from 17,0 mm to 28,0 mm
M 50 x 1,5 Polyamide, Frianyl	high	- 55 °C to + 70 °C	from 22,0 mm to 35,0 mm
M 63 x 1,5 Polyamide, Frianyl	high	- 55 °C to + 70 °C	from 27,0 mm to 48,0 mm

The temperature range can change depending on the material of sealings (if not the material of the cable gland restricts the temperature range).

Neoprene	-30 °C to +70 °C
Nitrile rubber NBR	-40 °C to +70 °C
Evoprene	-50 °C to +70 °C
Silicone	-55 °C to +70 °C



IECEX Certificate of Conformity

Certificate No: IECEx PTB 05.0004X

Issue No: 1

Date of Issue: 2011-09-12

Page 4 of 5

Installation in equipment with wall thicknesses of: at least 1,5 mm

Protection against contact, foreign matter and water: IP 66 acc. to EN 60 529

Key of type designation

GHG 960 92 .. P

1 2 3

1 Type designation

2 Kind of the Threat
35 = Kind of thread M 12 x 1,5 to M 63
36 = Reducing cable glands
40 = Pg 16 flat cable glad
42 = M 25 x 1,5 flat cable gland
43 = Pg 16 circular cable gland
44 = P... extention cable gland
44 = P 0022 M20/M16 x 1,5
44 = P 0023 M25/M20 x 1,5
44 = P 0024 M32/M25 x 1,5
44 = P 0025 M40/M32 x 1,5
44 = P 0026 M50/M40 x 1,5
44 = P 0027 M63/M50 x 1,5

3 Without influence on the type of protection

Documents, Additional information

Description	Issue	Date	Number
Description	0	1999-01-15	4163
Description	0	1999-06-01	4195
Drawing	0	1999-01-15	GHG 96-3-3763

CONDITIONS OF CERTIFICATION: YES as shown below:

Only permanently laid cables and conduits may be entered. The user must guarantee suitable clamping.
The cable entries may be used only in places where they are protected against the influence of mechanical danger.



IECEX Certificate of Conformity

Certificate No: IECEx PTB 05.0004X

Issue No: 1

Date of Issue: 2011-09-12

Page 5 of 5

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

New QAR