



## (1) EC-TYPE-EXAMINATION CERTIFICATE (Translation)

(2) Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres - **Directive 94/9/EC**

(3) EC-type-examination Certificate Number:

**PTB 05 ATEX 1084**



(4) Equipment: Y-shape distribution box and distribution element, type GHG57....

(5) Manufacturer: Cooper Crouse-Hinds GmbH

(6) Address: Neuer Weg-Nord 49, 69412 Eberbach, Germany

(7) This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

(8) The Physikalisch-Technische Bundesanstalt, notified body No. 0102 in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres, given in Annex II to the Directive.

The examination and test results are recorded in the confidential report PTB Ex 05-15290.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0:2004**

**EN 60079-7:2003**

**EN 50281-1-1:1998**

(10) If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.

(11) This EC-type-examination Certificate relates only to the design, examination and tests of the specified equipment in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.

(12) The marking of the equipment shall include the following:

**II 2 G Ex de IIC T6 or T5**

**II 2 D IP 66 T 80 °C or T 95 °C**

Zertifizierungsstelle Explosionsschutz

Braunschweig, September 30, 2005

By order:

Dipl.-Phys. U. Völkel

## SCHEDULE

(13)

(14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 05 ATEX 1084**

(15) Description of equipment

The Y-shape distribution box and Y-shape distribution element, GHG57..... R....., have a polyamide enclosure designed to Increased Safety "e" type of protection.

The Y-shape distribution box has two mounted or two separately certified cable entries and a – separately certified – appliance connector, or a flange-mounting socket outlet designed to Increased Safety and Flameproof Enclosure "de" type of protection. Inside the enclosure there is a terminal block, or the cables are connected direct at the appliance connector or the flange-mounting socket outlet.

The Y-shape distribution element is provided with three – separately certified – appliance connectors or flange-mounting socket outlets. Inside the enclosure there is a terminal block, or the plug-and-socket connectors are connected directly.

Technical data

Rated voltage .....	up to	250 V
Rated current .....	max.	9.3 A (with terminal block)
.....	max.	11 A (without terminal block)
Nominal cross section .....	max.	0.34 mm <sup>2</sup> to 1.5 mm <sup>2</sup> , finely stranded
.....	max.	0.34 mm <sup>2</sup> to 0.75 mm <sup>2</sup> , extra finely stranded
Cable diameter .....		4 mm to 11 mm
Ambient temperature .....		subject to plug-and-socket connector used
.....		-55 °C to +40 °C
.....		-55 °C to +75 °C

Protection against contact, foreign bodies and water: ..... IP66 in accordance with EN 60529

Rated values are maximum values, the actual electrical values are determined by mounted electrical apparatus. Within these limiting values complying with the appropriate standards the manufacturer specifies the final limiting values.

(16) Test report PTB Ex 05-15290

(17) Special conditions for safe use

None

(18) Essential health and safety requirements

Met by compliance with the aforementioned standards.

Zertifizierungsstelle: Explosionsschutz

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sheet 2/2

EC-type-examination Certificates without signature and official stamp shall not be valid. The certificates may be circulated only without alteration. Extracts or alterations are subject to approval by the Physikalisch-Technische Bundesanstalt. In case of dispute, the German text shall prevail.

Physikalisch-Technische Bundesanstalt • Postfach 33 45 • 38023 Braunschweig

Cooper-Crouse Hinds GmbH  
z. Hd. Frau Schölch

Neuer Weg Nord 49  
69412 Eberbach

Ihr Zeichen:  
Ihre Nachricht vom: 28.01.2008  
Unser Zeichen: 3.5-457/09-Ko  
Unsere Nachricht vom:

Bearbeitet von: Ruth Koch  
Telefondurchwahl: +49 (0) 531-592-3501  
Telefaxdurchwahl: +49 (0) 531-592-3505  
E-Mail: Ruth.koch@ptb.de

Datum: 30. Januar 2009

**Normengenerationsänderung nach EN 60079-0 ff und EN 61241-0 ff**  
**Change of the standard generation to EN 60079-0 ff and EN 61241-0 ff**  
**Y-Verteilerdose und Y-Verteilerstück Typ GHG 57..... R...**  
**Y-shape distribution box and distribution element type GHG 57..... R...**

**PTB 05 ATEX 1084**

Sehr geehrte Frau Schölch,  
Dear Mrs. Schölch,


es bestehen keine sicherheitstechnischen Bedenken, das o.g. Gerät mit folgenden Kennzeichnungen zu versehen:


 II 2G Ex de IIC T6 bzw. T5

 II 2D Ex tD A21 IP66 T80°C bzw. T 95°C

Wir bitten Sie, diese Änderungen bei zukünftigen Ergänzungen mit aufzunehmen.

There are no safety-related objections from PTB to mark the above mentioned equipment as follows:

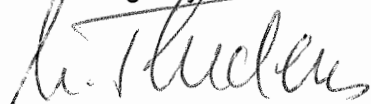
 II 2G Ex d IIC T6 or T5

 II 2D Ex tD A21 IP66 T80°C or T95°C

We would like to ask you to include this change into the next supplement.

Mit freundlichen Grüßen / Best regards

~~Im Auftrag / By order~~



Dr.-Ing. Martin Thedens  
Oberregierungsrat