



(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 1020



(4) Equipment: Motor protection switch, type GHG 635 1..0R...

(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 05-14074.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014: 1997 + A1 + A2 EN 50018: 2000 + A1 EN 50281-1-1:1998 + A1

(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 EEx d IIC T6
 II 2 D IP 66 T 80 °C

Zertifizierungsstelle Explosionsschutz

Braunschweig, May 20, 2005

By order:

Dr. M. Theiders

SCHEDULE

(13)

(14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 05 ATEX 1020**

(15) Description of equipment

The motor protection switch, type GHG 635 1..0R... , consists of the flameproof plastic enclosure with actuation shaft for installation of protection elements or switching and control elements.

Connection is by means of two integrated cable entries or plug-and-socket connectors that are suited for non-permanent installation of the connecting cable.

Technical data

| | | |
|--------------------------------|-------|-------|
| Rated insulation voltage | up to | 690 V |
| Rated operating voltage | up to | 690 V |
| Rated current I_e | max. | 16 A |
| Utilization category | | AC-3 |

Provided the making and breaking capacities defined in the relevant regulations are met, rated values other than those specified above are acceptable and will be defined by the manufacturer on the basis of the operating mode, utilisation category, etc.

| | | |
|--------------------------------------|------|---------------------|
| Connecting cable cross section | max. | 2.5 mm ² |
|--------------------------------------|------|---------------------|

(16) Test report PTB Ex 05-14074

(17) Special conditions for safe use

None

Notes for manufacturing and operation

If connection is made in the potentially explosive area, the connecting cable (open-ended line) of the motor protection switch shall be connected in an enclosure that meets the requirements of an approved type of protection as specified in EN 50014, section 1.2.

The quality of the connecting cable shall be such that it complies with the thermal and mechanical requirements within the duty range.

(18) Essential health and safety requirements

Met by compliance with the aforementioned Standards.

Zertifizierungsstelle Explosionsschutz

By order:

Dr. M. Thedens



Braunschweig, May 20, 2005

Physikalisch-Technische Bundesanstalt • Postfach 33 45 • 38023 Braunschweig

Cooper-Crouse Hinds GmbH
z. Hd. Frau Frankhauser

Neuer Weg Nord 49
69412 Eberbach

Ihr Zeichen:
Ihre Nachricht vom: 28.01.2008
Unser Zeichen: 3.5-1189-01/08-Ko
Unsere Nachricht vom:

Bearbeitet von: Ruth Koch
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Datum: 28.05.2008

**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
Motorschutzschalter Typ GHG 635 1..0R...
Motor protection switch type GHG 635 1..0R...**

PTB 05 ATEX 1020

Sehr geehrte Frau Frankhauser,
Dear Mrs. Frankhauser,

die Selbsterklärung zu dem o.g. Gerät auf Übereinstimmung mit den vorgenannten Normen hat die PTB zur Kenntnis genommen und den zugehörigen Prüfungsunterlagen beigefügt.
Es bestehen keine sicherheitstechnischen Bedenken, das o.g. Gerät mit folgenden Kennzeichnungen zu versehen:

 II 2G Ex d IIC T6

 II 2D Ex tD A21 IP66 T80°C

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

Achtung! Neue Bankverbindung:

Your statement relating the above-named equipment concerning the conformity with the aforementioned standards was acknowledged by PTB and added to the related test documentation. There are no safety-related objections from PTB to mark the above mentioned equipment as follows:

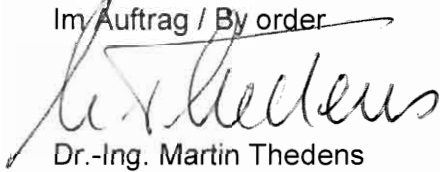
⊕ Ex II 2G Ex d IIC T6

⊕ Ex II 2D Ex tD A21 IP66 T80°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