



## (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 03 ATEX 1203 U**

- (4) Component: Push button pilot light, types GOB4----- and GOL4-----  
Pilot light, types GOB3----- and GOL3-----
- (5) Manufacturer: Killark, Div. of Hubbell Inc. (Delaware)
- (6) Address: St. Louis, MO 63113, USA
- (7) This component 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 component 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 03-13366.
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 50014:1997 + A1 + A2 EN 50018:2000**
- (10) The sign "U" placed behind the certificate number indicates that this certificate should not be confounded with certificates issued for equipment or protective systems. This Component Certificate only serves as a basis for the issuing of certificates for equipment or protective systems.
- (11) This EC-type-examination Certificate relates only to the design, examination and tests of the specified component in accordance to the Directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.
- (12) The marking of the component shall include the following:

**II 2 G EEx d IIB + H2**

Zertifizierungsstelle Explosionsschutz

By order

Dr.-Ing. U. Klausmeyer  
Regierungsdirektor



Braunschweig, February 02, 2004

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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.

## SCHEDULE

(13)

(14) **EC-TYPE-EXAMINATION CERTIFICATE PTB 03 ATEX 1203 U**

(15) Description of component

The push button pilot light, types GOB4-..... and GOL4-....., made from aluminium and designed to Flameproof Enclosure type of protection is a pilot light with integrated push button. It is connected by means of terminals and non-sheathed cables in the flameproof compartment.

The pilot light, types GOB3-..... and GOL3-....., made from aluminium and designed to Flameproof Enclosure type of protection is connected by means of non-sheathed cables in the flameproof compartment.

### Technical data

#### Pilot light

Rated voltage: ..... up to 120 V  
Rated power: ..... max. 3 W

#### Push button

Rated voltage: ..... up to 600 V, category AC 15  
Rated current: ..... max. 10 A  
Utilization category: ..... AC 15  
Rated cross section: ..... max. No. 12 AWG (3.3 mm<sup>2</sup>)

Ambient temperatures: - 20 °C to + 40 °C

Shock protection, protection against solid bodies,  
and protection against ingress of water suitable for IP56 according to EN 60529

The push button pilot light and the pilot light can be used in temperature class T6 areas.

(16) Test report PTB Ex 03-13366

(17) Special conditions for safe use

None;

#### Notes for manufacturing and operation

The push button pilot light or the pilot light may be mounted in operators designed to Flameproof Enclosure "d" type of protection of gas groups IIA, IIB or IIB + H<sub>2</sub>.

The tapped holes receiving the bush button pilot light or the pilot light with its screw thread shall meet the minimum requirements as set forth in EN 50018, section 5.3 (table 3).

The push button pilot light or the pilot light shall be fixed in the electrical apparatus in such a way that rotation and accidental loosening will be prevented.

The push button pilot light or the pilot light shall be included into the type test in compliance with EN 50018, section 15.1.3 (overpressure test) as required by the group rating of the corresponding electrical apparatus (groups IIA, IIB or IIB + H<sub>2</sub>) if the reference pressure exceeds 20 bar.

The heating characteristics of the push button pilot light or the pilot light shall be considered when defining the temperature class of the corresponding electrical apparatus.

(18) Essential health and safety requirements

Met by compliance with the standards mentioned above

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By order:

Dr.-Ing. U. Klausmeier  
Regierungsdirektor



Braunschweig, February 02, 2004

# Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin



## 1. SUPPLEMENT

according to Directive 94/9/EC Annex III.6

to EC-TYPE-EXAMINATION CERTIFICATE PTB 03 ATEX 1203 U

(Translation)

Equipment: Push button pilot light, types GOB4-..... and GOL4-.....  
Pilot light, types GOB3-..... and GOL3-.....

Marking:  II 2 G EEx d IIB + H<sub>2</sub>

Manufacturer: Killark, Div. of Hubbell Inc. (Delaware)


Address: St. Louis, MO 63113  
USA

### Description of supplements and modifications

The push button pilot light, types GOB4-..... and GOL4-..... and the pilot light, types GOB3-..... and GOL3-..... may also be used in areas in which explosive atmospheres produced by dust/air mixtures may occur.

The marking will be supplemented to:

 II 2 G EEx d IIB + H<sub>2</sub>

 II 2 D IP 66

Protection against foreign bodies  
and ingress of liquids: ..... IP 66 according to EN 60529

### Applied standards

EN 50281-1-1:1998

Test report: PTB Ex 05-15019

Zertifizierungsstelle Explosionsschutz

By order:

Braunschweig, June 24, 2005

  
Dr.-Ing. U. Klausmeyer  
Direktor und Professor



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