[1] # EU-TYPE EXAMINATION CERTIFICATE

[2] **Component intended for use on/in Equipment or Protective System**
Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU

[3] EU-Type Examination Certificate Number: **DEMKO 14 ATEX 1337U Rev. 3**

[4] Component: **HKH Series Pilot Lights**

[5] Manufacturer: **Killark, A Division of Hubbell Inc. (Delaware)**

[6] Address: **2112 Fenton Logistics Park Blvd., Fenton, MO 63026 USA**

[7] This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8] UL International Demko A/S, notified body number 0539 in accordance with Article 17 of the Council Directive 2014/34/EU of the European Parliament and the Council, dated 26 February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to design and construction of components intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. **4789440603.2.1**

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0:2018 **EN 60079-1:2014** **EN 60079-7:2015+A1:2018**

[10] The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.

[11] This EU-Type Examination Certificate relates only to the design and construction of the specified component. 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:

I M 2 Ex db eb I Mb

II 2 G Ex db eb IIC Gb

Certification Manager
Jan-Erik Storgaard

This is to certify that the sample(s) of the Component described herein ("Certified Component") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the ATEX Product Certification Program Requirements. This certificate and test results obtained apply only to the component sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured component. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all products to all applicable Standards, specifications, requirements or Directives. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

Date of issue: 2015-01-23
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Notified Body UL International Demko A/S, Ballerup 5A, 2750 Ballerup, Denmark
Tel. +45 44 85 65 65, info.dk@ul.com, www.ul.com

[13] [14]

Schedule
EU-TYPE EXAMINATION CERTIFICATE No.
DEMKO 14 ATEX 1337U Rev. 3

[15] Description of Component:
The device is a pilot light with a non-metallic flameproof housing and metallic increased safety terminals. The pilot light is intended to be entirely mounted within a suitable enclosure.

Nomenclature for type HKH Pilot Light:
HKHPLD: does not contain a mounting clip
HKHPLP: does contain a mounting clip and has terminals flipped over to access the wire connector screw.

Temperature range
The service temperature range is -50°C to +73 °C.

Electrical data
Voltage: 12-254 Vac/ Vdc
Power: 0.6 W
Frequency: 50-60 Hz

Routine tests
A routine dielectric test according to EN 60079-7, Clause 7.1, is required on the pilot light on a statistical basis according to ISO 2859-1 with an acceptance quality limit (AQL) of 0.04. The device shall withstand the test voltage of 1810 V r.m.s for 100 ms without dielectric breakdown occurring. As an alternative to the above test, the pilot light shall withstand the test voltage of 1508 V r.m.s for 1 minute without dielectric breakdown occurring.

[16] Descriptive Documents
The scheduled documents are listed in the report no. provided under item no. [8] on page 1 of this EU-Type Examination Certificate.

[17] Schedule of limitations:
- The non-metallic pilot light body was tested for a maximum service temperature of 73°C. It shall not attain a temperature of more than 73°C when used in service. The devices were tested for a minimum service temperature of -50˚C.
- Contact the manufacturer for information on the dimensions of flameproof joints.

Installation Instructions
- Device must be mounted in an ATEX certified ‘Ex eb’ increased safety enclosure with a minimum IP54 rating or an ‘Ex db/tb” flameproof/dust enclosure with a minimum IP64 rating, where the suitability is determined in the end application.
- The pilot light shall be mounted to provide a minimum clearance of 5.0 mm and a minimum creepage of 8.0 mm.
- All power is to be shut off before connecting/disconnecting the conductors from the terminals.
- All conductors shall be suitable for the minimum ambient and maximum temperature achieved in service.

[18] Essential Health and Safety Requirements
Concerning ESRs this Schedule verifies compliance with the Annex III of ATEX directive only. By placing the product on the market, the manufacturer declares compliance with other relevant Directives, and all other safety related requirements including those of Annex II of this Directive.

Additional information
The manufacturer shall inform the notified body concerning all modifications to the technical documentation as described in Annex III to Directive 2014/34/EU of the European Parliament and the Council of 26 February 2014.

The trademark HUBBELL will be used as a company identifier on the marking label.