

# EU-TYPE EXAMINATION CERTIFICATE



[1]

[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 15 ATEX 1422U Rev. 2**

[4]

Component: **HKH Series E-Stops**

[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. **4788965538.1.1**

[9]

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

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

**EN 60079-1:2014  
EN 60079-31:2014**

[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.

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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:

 **II 2 G Ex db eb IIC Gb**

 **II 2 D Ex tb IIC Db IP66**

## Certification Manager

Jan-Erik Storgaard



## Notified Body

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:** 2015-11-04

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## Schedule

[14]

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### Description of Component:

These open type E-stop devices are constructed out of HKH Series Contact Blocks with HKH Series Mushroom Head Pushbuttons with a yellow legend nameplate. These devices come in two different forms: Solid Plunger HKH Contact Blocks that are only for use with HKH Series Stainless Steel or HKH Series Polymeric Enclosures. The Hollow Plunger HKH Contact Blocks may be used with any type 'e' enclosure with at least an IP54 rating.

Nomenclature for "Open-Type" Series HKH E-Stops:

### HKH Component E-Stop Assemblies (For Use in Series HKH Enclosures) :

I	II	III	IV	V
HKH	D	PBP	3	E

I – Product Series  
HKH Haz. Loc. E-Stop Assemblies (provided with "Solid-Plunger" HKH Contact Blocks)

II – Contact Block Mounting Method  
D - DIN-rail mount  
P - Panel mount

III – Operator  
PBP - Red Mushroom Head Pushbutton, Maintained  
PBT - Red Mushroom Head Pushbutton, Maintained Twist-to-Release

IV - Contact Configuration  
1 - (1) NO w (1) NC  
3 - (1) NC  
5 - (2) NC

V - Legend Plate  
E - Yellow, Emergency Stop

### HKH Component E-Stop Assemblies (Panel-Mount only, For Use in ANY Certified Enclosure):

I	II	III	IV	V
HKH	PBPMTMR	3	E	L1

I – Product Series  
HKH Panel-Mount Haz. Loc. E-Stops (provided with "Hollow-Plunger" HKH Contact Blocks)

II – Operator  
PBPMTMR - Red Mushroom Head Pushbutton, Maintained  
PBTMTMR - Red Mushroom Head Pushbutton, Maintained Twist-to-Release

III - Contact Configuration  
1 - (1) NO w (1) NC  
3 - (1) NC  
5 - (2) NC

IV- Legend Plate  
E - Yellow, Emergency Stop

V- Optional Accessories / Lockouts - may be any combination of single letters and/or digits

Temperature range  
The ambient temperature range is -50 °C to +60 °C.

### Electrical data

690 Vac, 16 A, 50 to 60 Hz  
230 Vdc, 16A, 50 to 60 Hz  
125 Vdc, 1 A  
60 Vdc, 5.0 A

### Wiring Information

Wire Range –0.5 to 2.5 mm<sup>2</sup> (SOL or STR) and 4.0 mm<sup>2</sup> (STR)  
Number of Wires – 1 or 2  
Wire Type – Cu  
Torque – 15 in-lbs. (1.7 N·m)  
Wire Strip - 3/8 in (10 mm)

**Schedule**  
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[14]

Routine tests

N/A

[16]

Descriptive Documents

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

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Schedule of limitations:

- Contact the manufacturer for information on the dimensions of flameproof joints.
- The #3-28 x 0.320 in. contact block housing fasteners have a minimum yield strength of 210 MPa for stainless steel or 340 MPa for steel.
- E-stops must be mounted on a flat surface in a suitable 'Ex e' increased safety enclosure and installed in accordance with installation instructions.
- To maintain IP66 rating and/or dust protection method 'tb', the sealing gasket must be installed in accordance with applicable installation instructions.
- The devices were tested for a maximum service temperature of 85°C. The equipment shall not attain a temperature of more than 85°C in use.

[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 HKH series E-stops have in addition passed the tests for Ingress Protection to IP 66 in accordance with EN60529: 1991/A1 2000.

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 23 March 1994.

The trademark  or **KILLARK** will be used as the company identifier on the marking label.