[1] # EU-TYPE EXAMINATION CERTIFICATE

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

[3] EU-Type Examination Certificate Number: **DEMKO 06 ATEX 0521635X Rev. 2**

[4] Product: **HK Series Enclosures with Terminal Blocks**

[5] Manufacturer: **Killark, Div. 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 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to design and construction of products 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. **4788890898.7.1**

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

EN 60079-0:2012+A11:2013 **EN 60079-7:2015** **EN 60079-31:2014**

[10] If the sign "**X**" is placed after the certificate number, it indicates that the product is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by the certificate.

[12] The marking of the product shall include the following:

II 2 G Ex eb IIC T4…T3 Gb

II 2 D Ex tb IIIC T110°C…T140°C Db

Certification Manager
Jan-Erik Storgaard

This is to certify that the sample(s) of the Product described herein ("Certified Product") 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 product 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 product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product 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: 2007-12-19
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Notified Body UL International Demko A/S, Borupvang 5A, 2750 Ballerup, Denmark
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Schedule
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[15] Description of Product

The terminal housing consists of an increased safety enclosure made of cast aluminum or stainless steel. The housing is used to splice and/or terminate conductors by means of terminal blocks. There are two enclosure styles available: a single cover design and the double cover design. Covers are provided in multiple sizes and may contain a viewing window.

Single Port Enclosure Nomenclature

HKB	B	T	0	W	10	2
I	II	III	IV	V	VI	VII

I	Back Box Type	
	HKB	Aluminum Box Single Port
	HKBD	Aluminum Deep Box Single Port
	HKSB	Stainless Steel Box Single Port
	HKSBD	Stainless Steel Deep Box Single Port
II	Cover Assembly	
	B	Blank Cover
	1D	1 in. High Dome Cover
	2D	2 in. High Dome Cover
	4D	4 in. High Dome Cover
	GL	Glass Lens Cover
	1GLD	1 in. Glass Lens Cover
	2GLD	2 in. Glass Lens Cover
	4GLD	4 in. Glass Lens Cover
III	T	Terminal Enclosure
IV	Side Alternate Machining	
	0	None
	10	1/2 in. NPT
	1S	1/2 in. NPSM*
	20	3/4 in. NPT
	2S	3/4 in. NPSM*
V	Type and Manufacturer	
	W	Weidmuller
	P	Phoenix
	G	Wago
	A	ABB
	K	Klemsan
VI	Quantity of Terminal Blocks	
	2.5 mm^2	10
	4 mm^2	8
	6 mm^2	6
	10 mm^2	4
VII	Terminal Block Wire Size	
	2	2.5 mm^2
	4	4 mm^2
	6	6 mm^2
	10	10 mm^2

*Not to be used for cable or conduit connections.

Double Port Enclosure Nomenclature

2HKB	T	B	B	0	W	10	2
I	II	III	IV	V	VI	VII	VIII

I	Back Box Type	
	2HKB	Aluminum Box Double Port
	2HKSB	Stainless Steel Box Double Port
II	T	Terminal Enclosure
III	Cover Assembly	
	B	Blank Cover
	1D	1 in. high Dome Cover
	2D	2 in. high Dome Cover
	4D	4 in. high Dome Cover
	GL	Glass Lens Cover
	1GLD	1 in. Glass Lens Cover
	2GLD	2 in. Glass Lens Cover
	4GLD	4 in. Glass Lens Cover

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IV	Cover Assembly	
	B	Blank Cover
	1D	1 in. high Dome Cover
	2D	2 in. high Dome Cover
	4D	4 in. high Dome Cover
	GL	Glass Lens Cover
	1GLD	1 in. Glass Lens Cover
	2GLD	2 in. Glass Lens Cover
	4GLD	4 in. Glass Lens Cover
V	Side Alternate Machining	
	0	None
	10	1/2 in. NPT
	1S	1/2 in. NPSM*
	20	3/4 in. NPT
	2S	3/4 in. NPSM*
VI	Type and Manufacturer	
	W	Weidmuller
	P	Phoenix
	G	Wago
	A	ABB
	K	Klemsan
VII	Quantity of Terminal Blocks	
	2.5 mm^2	10
	4 mm^2	8
	6 mm^2	6
	10 mm^2	4
VIII	Terminal Block Wire Size	
	2	2.5 mm^2
	4	4 mm^2
	6	6 mm^2
	10	10 mm^2

*Not to be used for cable or conduit connections.

HKBX Enclosure Nomenclature

HKBX -	B	T	0	W	10	2
	I	II	IV	V	VI	VII

I	Cover Assembly	
	B	Blank Cover
	2D	2 in. High Dome Cover
	GL	Glass Lens Cover
	2GLD	2 in. Glass Lens Cover
II	T	Terminal Enclosure
IV	Side Alternate Machining	
	SM	3/4 in. NPT
	S	3/4 in. NPSM*
	M25	M25 Metric
	MX	Mix of sizes
V	Type and Manufacturer	
	W	Weidmuller
	P	Phoenix
	G	Wago
	A	ABB
	K	Klemsan
VI	Quantity of Terminal Blocks	
	2.5 mm^2	10
	4 mm^2	8
	6 mm^2	6
	10 mm^2	4

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VII	Terminal Block Wire Size	
	2	2.5 mm^2
	4	4 mm^2
	6	6 mm^2
	10	10 mm^2

*Not to be used for cable or conduit connections.

These are the ambient ranges allowed with the terminal blocks:

Ambient Temperature Marked on Nameplate	Manufacturer	Terminal Series
-60°C to 70°C	Weidmuller	WDU and WPE
-50°C to 40°C	Weidmuller	PDU
-50°C to 40°C	Klemsan Elektrik	AVK
-60°C to 68°C	Klemsan Elektrik	MVK, PIK, PUK, and PYK
-55°C to 70°C	ABB	ZS and ZK
-55°C to 70°C	WAGO	2000, 2002, 2010, and 2016
-55°C to 68°C	WAGO	2001, 2004, and 2006
-60°C to 70°C	Phoenix	UT, PT, ST, QT, UK, and USLKG

Temperature range
The relation between ambient temperature and the assigned temperature class is as follows:

Ambient Temperature Range	Temperature Class (Gas)	Maximum Surface Temperature (Dust)
-60 °C to +70 °C	T3	T140°C
-60 °C to +55 °C	T4	T125°C
-60 °C to +40 °C	T4	T110°C

Electrical data

Maximum Conductor Size, mm^2	Maximum Power, W	Maximum Voltage, V	Maximum Amperage, A	Maximum Number of Terminals*
2.5 (12 AWG)	12600	630	20	10
4 (10 AWG)	18900	630	32	8
6 (8 AWG)	25830	630	41	6
10 (6 AWG)	37800	630	60	4

Routine tests
Routine tests according to EN 60079-7 cl. 7 are not required, as the terminal blocks are already certified as increased safety.

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

[17] Specific conditions of use:

- All conductors shall be suitable for minimum temperature rating as detailed in the below table:

Upper ambient 'Ta'	Ta ≤ 40˚C	Ta ≤ 55˚C	Ta ≤ 70˚C
Conductor rating	116 ˚C	131 ˚C	141˚C

- The window temperature must not exceed 120°C for models HKB, HKBD, 2HKB, HKSB, and 2HKSB.
- The window temperature must not exceed 97°C for models HKBX.
- The sealing cement on the windows shall not exceed 87°C for models HKB, HKBD, 2HKB, HKSB, and 2HKSB.
- All unused device openings must be fitted with a certified close up plug equivalent of the apparatus rating and must be marked with an IP66 rating.

[18] Essential Health and Safety Requirements
The Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9.

Additional information
These devices have in addition passed the tests for Ingress Protection to IP 66 in accordance with EN60529:1991+A1:2000+A2:2013.

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

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.