



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx UL 14.0060X

Issue No: 1

Certificate history:

Status: **Current**

[Issue No. 1 \(2017-12-21\)](#)

[Issue No. 0 \(2015-02-25\)](#)

Date of Issue: **2017-12-21**

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Applicant: **Killark, Div., of Hubbell Inc. (Delaware)**  
3940 Martin Luther King Drive  
St. Louis, MO 63113  
**United States of America**

Equipment: **HK Series Terminal Enclosures**

*Optional accessory:*

Type of Protection: **Flameproof "db", Dust Ignition Protection by Enclosure "tb"**

Marking:

Ex db IIC T4...T3 Gb  
Ex tb IIIC T110°C...T140°C Db  
-60°C to +70°C  
-60°C to +55°C  
-60°C to +40°C

*Approved for issue on behalf of the IECEx  
Certification Body:*

Katy A. Holdredge

*Position:*

Senior Staff Engineer

*Signature:  
(for printed version)*

*Date:*

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](#).

Certificate issued by:

**UL LLC**  
333 Pfingsten Road  
Northbrook IL 60062-2096  
United States of America





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Manufacturer: **Killark, Div., of Hubbell Inc. (Delaware)**  
3940 Martin Luther King Drive  
St. Louis, MO 63113  
**United States of America**

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

## STANDARDS:

The apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2014-06</b> Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2013</b> Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

## TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:

[US/UL/ExTR14.0093/01](#)

Quality Assessment Report:

[GB/SIR/QAR16.0021/00](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The terminal housing consists of a flameproof enclosure made of cast aluminium 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.

Please see Annex for additional information.

### SPECIFIC CONDITIONS OF USE: YES as shown below:

- All conductors shall be suitable for 140°C.
- All unused device openings must be fitted with a certified close up equivalent of the apparatus and must be marked with an IP66 rating.
- Flameproof joints are not to be repaired in the field. If the flame path is damaged the enclosure is to be removed from service and replaced with a new properly working enclosure.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):**

Issue 1: The ambient range has been lowered to -60°C and the ambient raised to +70°C for all cover types. In addition, standard IEC 60079-31 has been updated to the most recent edition.

**Annex:**

[Annex to IECEx UL 14.0060X Issue 1.pdf](#)



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## TYPE

### 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
	HKSD	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 <sup>2</sup>	10
	4 mm <sup>2</sup>	8
	6 mm <sup>2</sup>	6
	10 mm <sup>2</sup>	4
VII	Terminal Block Wire Size	
	2	2.5 mm <sup>2</sup>
	4	4 mm <sup>2</sup>
	6	6 mm <sup>2</sup>
	10	10 mm <sup>2</sup>



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\*Not to be used for cable or conduit connections.

## Double Port Enclosure Nomenclature

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

- I Back Box Type  
2HKB Aluminum Box Double Port  
2HKS B Stainless Steel Box Double Port
- II T Terminal Enclosure
- III Cover Assembly  
BC Blank Cover  
1DC 1 in. high Dome Cover  
2DC 2 in. high Dome Cover  
4DC 4 in. high Dome Cover  
GLC Glass Lens Cover  
1GLDC 1 in. Glass Lens Cover  
2GLDC 2 in. Glass Lens Cover  
4GLDC 4 in. Glass Lens Cover
- IV Cover Assembly  
BC Blank Cover  
1DC 1 in. high Dome Cover  
2DC 2 in. high Dome Cover  
4DC 4 in. high Dome Cover  
GLC Glass Lens Cover  
1GLDC 1 in. Glass Lens Cover  
2GLDC 2 in. Glass Lens Cover  
4GLDC 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<sup>2</sup> 10  
4 mm<sup>2</sup> 8  
6 mm<sup>2</sup> 6  
10 mm<sup>2</sup> 4



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VIII	Terminal Block Wire Size
	2 2.5 mm <sup>2</sup>
	4 4 mm <sup>2</sup>
	6 6 mm <sup>2</sup>
	10 10 mm <sup>2</sup>

\*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

## PARAMETERS RELATING TO THE SAFETY

- 630 V, 20 A
- 630 V, 32 A
- 630 V, 41 A
- 630 V, 60 A

## MARKING

