



[1]

UNITED KINGDOM CONFORMITY ASSESSMENT  
**UK-TYPE EXAMINATION CERTIFICATE**

[2]

**Product or Protective System Intended for use in Potentially Explosive Atmospheres  
UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1**

[3] UK-Type Examination Certificate No.: **UL21UKEX2232X Rev. 0**  
[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 (UK) Ltd, Approved Body number 0843, in accordance with Regulation 44 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.  
The examination and test results are recorded in the confidential report **UKRCC-4790001961.2.1-UL21UKEX2232X**

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



**EN IEC 60079-0:2018 EN IEC 60079-7:2015 + A1:2018 EN 60079-31:2014**

Except in respect of those requirements listed at section 19 of the schedule to this certificate.

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

[11] This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this 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**  
David Lloyd

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 UKEx 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 Regulations. 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:** 2022-02-25

**Approved Body** UL International (UK) Ltd Unit 1-3 Horizon Kingsland Business Park Wade Road, Basingstoke RG24 8AH, UK  
Phone : +44 (0)1256 312100



[13]

[14]

## Schedule UK-TYPE EXAMINATION CERTIFICATE No. UL21UKEX2232X Rev. 0

[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 I	B II	T III	0 IV	W V	10 VI	2 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 <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>				

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



[13]

[14]

# Schedule

## UK-TYPE EXAMINATION CERTIFICATE No.

### UL21UKEX2232X Rev. 0

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

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 <sup>2</sup>	10
	4 mm <sup>2</sup>	8
	6 mm <sup>2</sup>	6
	10 mm <sup>2</sup>	4

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.



[13]

[14]

# Schedule

## UK-TYPE EXAMINATION CERTIFICATE No.

### UL21UKEX2232X Rev. 0

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<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>

\*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



[13]

[14]

## Schedule

### UK-TYPE EXAMINATION CERTIFICATE No.

#### UL21UKEX2232X Rev. 0

#### Electrical data

Maximum Conductor Size, mm <sup>2</sup>	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]

Test Report No. (associated with this certificate issue)  
US/UL/ExTR14.0099/03

[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]

#### Conditions of certification:

Where ATEX certified Ex Components or Ex Equipment are used, it is the responsibility of the manufacturer to ensure that only Ex Components or Ex Equipment having equivalent UKEx certification are used after the permission to accept such ATEX certified Ex Component or Ex Equipment is withdrawn.


[19]

#### Essential Health and Safety Requirements (Regulations Schedule 1)

In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the relevant reports.

#### 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  **KILLARK** will be used as the company identifier on the marking label.

The manufacturer shall inform the approved body concerning all modifications to the technical documentation as described in Annex III to UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1.

[20]

#### Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
Nameplate Drawing W/CE For HK/2HK Series	C-20648, Sheet 3	H	-
HKB Series Enclosure with Terminal Blocks	D-21658, Sheet 1	C	-
HKB Series Enclosure with Terminal Blocks	D-21658, Sheet 2	D	-
HKB Series Enclosure with Terminal Blocks	D-21658, Sheet 3	C	-
Installation Instructions, HKB and HKSB	Form No. K1295	ERO-2-54-21	-
Installation Instructions, HKBX	Form No. K1295A	ERO-2-54-21	-
HKBX Series with Terminal Block	51835, Sheet 1	A	-
HKBX Series with Terminal Block	51835, Sheet 2	A	-
HKBX Series with Terminal Block	51835, Sheet 3	A	-

[13]

[14]

## Schedule

### UK-TYPE EXAMINATION CERTIFICATE No.

#### UL21UKEX2232X Rev. 0

Details of Ex Components or Ex Equipment used:

Description:	Manufacturer:	Part No.:	Certificates:	Standards:
Terminal Block	Weidmuller	WDU_WPE	DEMKO 14 ATEX 1338U	EN IEC 60079-0:2018 EN 60079-7:2015 /A1:2018
Terminal Block	Weidmuller	PDU	KEMA06ATEX0177U	EN 60079-0:2006 EN 60079-7:2007
Terminal Block	Klemsan Elektrik	AVK	FTZU 10 ATEX 0071U	EN IEC 60079-0:2018 EN 60079-7:2015
Terminal Block	Klemsan Elektrik	MVK	FTZU 09 ATEX 0252U	EN IEC 60079-0:2018 EN IEC 60079-7:2015 /A1:2018
Terminal Block	Klemsan Elektrik	PIK	FTZU 09 ATEX 0252U	EN IEC 60079-0:2018 EN IEC 60079-7:2015 /A1:2018
Terminal Block	Klemsan Elektrik	PUK	FTZU 09 ATEX 0252U	EN IEC 60079-0:2018 EN IEC 60079-7:2015 /A1:2018
Terminal Block	Klemsan Elektrik	PYK	FTZU 09 ATEX 0252U	EN IEC 60079-0:2018 EN IEC 60079-7:2015 /A1:2018
Terminal Block	ABB	ZS	LCIE 08 ATEX 0007U	EN60079-0:2012 EN60079-7:2007
Terminal Block	ABB	ZK	LCIE 13 ATEX 3042 U	EN60079-0:2012 EN60079-7:2007
Terminal Block	WAGO	2000-****	PTB 11 ATEX 1041 U	EN60079-0:2009 EN60079-7:2007
Terminal Block	WAGO	2001-****	PTB 05 ATEX 1094 U	EN60079-0:2012 EN60079-7:2007
Terminal Block	WAGO	2002-****	PTB 03 ATEX 1162 U	EN60079-0:2012 EN60079-7:2007
Terminal Block	WAGO	2004-****	PTB 05 ATEX 1095 U	EN 60079-0:2012 EN 60079-7:2007
Terminal Block	WAGO	2006-****	PTB 05 ATEX 1030 U	EN 60079-0:2012 EN 60079-7:2007
Terminal Block	WAGO	2010-****	PTB 05 ATEX 1070 U	EN 60079-0: 2012 EN 60079-7: 2015
Terminal Block	WAGO	2016-****	PTB 05 ATEX 1031 U	EN 60079-0: 2012 EN 60079-7: 2015
Terminal Block	Phoenix	UT	KEMA 06ATEX0017 U KEMA 04ATEX2048 U	EN 60079-0: 2012 EN 60079-7: 2007
Terminal Block	Phoenix	PT	PTB 09 ATEX 1111 U PTB 09 ATEX 1112 U	EN 60079-0: 2012 EN 60079-7: 2007
Terminal Block	Phoenix	ST	KEMA 01ATEX2260 U KEMA 01ATEX2129 U KEMA 00ATEX2052 U	EN 60079-0:2012 EN 60079-7:2007
Terminal Block	Phoenix	QT	KEMA 05ATEX2148 U KEMA 04ATEX2226 U KEMA 03ATEX2557 U	EN 60079-0:2012 EN 60079-7:2007
Terminal Block	Phoenix	UK	KEMA 06ATEX0119 U KEMA 98ATEX1786 U	EN 60079-0:2009 IEC 60079-0:2011 EN 60079-7:2007
Terminal Block	Phoenix	UKH150 & UKH240	KEMA 99ATEX8332 U	EN 60079-0:2009 IEC 60079-0:2011 EN 60079-7:2007
Terminal Block	Phoenix	USLKG	KEMA 96ATEX4370 U KEMA 99ATEX4487 U	EN 60079-0:2009 IEC 60079-0:2011 EN 60079-7:2007