

[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 ACE26ATEX023X Rev00
- [4] Product Explosion-proof Terminal Boxes Model: HLBH 03-
/*/ series, HLBH 05-**/*/** series
- [5] Manufacturer Helon Explosion-proof Electric Co., Ltd.
- [6] Address No. 477 Jingqi Road, Yueqing Economic Development
Zone, Zhejiang, CN-325600, P.R. China
- [7] This equipment or protective system and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.
- [8] Advanced Consulting and Engineering Iberia SL (A.C.&E. Iberia S.L.), Notified body Accreditation nº: NB3024 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and Council, dated 26 February 2014, 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 Annex II to the Directive
The examination and test results are recorded in the confidential Report nº. EX_EXE007_26_26-907, EX_EXT008_26_26-907, EX_GEN013_26_26-907
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 : Explosive atmospheres — Part 0: Equipment — General requirements
EN IEC 60079-7: 2015/A1:2018: Explosive atmospheres - Part 7: Equipment protection by increased safety ‘e’
EN 60079-31:2014: Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure ‘t’
The following was used as reference:
EN IEC 60079-31:2024: Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure ‘t’
- [10] If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the point 17 of 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 this certificate.
- [12] The marking of the equipment or protective system shall include the following:



II 2G Ex eb IIC T6...T4 Gb, II 2D Ex tb IIIC T80°C/95°C Db

This Declaration of conformity may only be reproduced in its entirety and without any change, including schedules.
Date: 14/07/2026



Advanced Consulting and Engineering
Iberia SL

Notified Body No NB3024
Matteo Marconi, CEO

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[13]

SCHEDULE

[14]

EU-Type Examination Certificate No: ACE26ATEX023X Rev00

[15] Description of equipment

The product typed HLBH 03 series, HLBH 05 series are terminal box protected by increased safety “eb” and dust ignition protection by enclosure “tb”. The housings of terminal box are made of non-metallic material. Sealing rings have been provided to achieve the ingress protection IP66 according to IEC 60529. Separated certified terminals are installed in the housing. And for product typed HLBH 05 series, it is optional to be installed with terminal specified in drawing BH05A-00-3. The Maximum rated current is 350 A.

Nomenclature:

HLBH 03 - * * / * / * *

- └ K-Scaffolding (optional) or blank
- └ Accessories: A-with gland plate (no note if without),
B-with groudng nut (no note if without),
C-with gland plate and groudng nut (no note if without),
None-without gland plate and groudng nut (default, no note)
- └ Rated current (A)
- └ Terminal number
- └ Enclosure color (G-Gray, B-Black)
- └ Enclosure type (01, 02, 03, 04, 05, 06, 06.1, 07, 07.1)
- └ Design No.
- └ Explosion-Proof Terminal Boxes

HLBH 05 - * * / * / * *

- └ Accessories: A-with gland plate (no note if without),
B-with groudng nut (no note if without),
C-with gland plate and groudng nut (no note if without),
None-without gland plate and groudng nut (default, no note)
- └ Rated current (A)
- └ Terminal number
- └ A-Conductive parts (optional) or blank
- └ Enclosure type (01, 02)
- └ Design No.
- └ Explosion-Proof Terminal Boxes

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[13]

SCHEDULE

[14]

EU – Type Examination Certificate No: ACE26ATEX023X Rev00

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Test documents are listed in the test report nº
EX_EXE007_26_26-907, EX_EXT008_26_26-907, EX_GEN013_26_26-907

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- Special conditions for safe use
1. Rated ambient temperature range: -45°C~(+40°C~+70°C), refer to relation table for details.
 2. Observe the warning “DO NOT OPEN WHEN ENERGIZED!” for explosive gas atmosphere. “DO NOT OPEN WHENEXPLOSIVE ATMOSPHERE MAYBE PRESENT!” for combustible dust atmosphere.
 3. The maximum capacitance of cable gland for product without grounding nut is 4.76pF.
 4. Observe the warning "WARNING: POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS."
 5. Separated certified cable glands and blanking element with gasket which are proper to the type of hazardous area shall be installed.
 6. When metallic certified cable glands and blanking element are installed on the product, they shall be earthed properly.
 7. When scaffolding is provided, it shall be earthed properly during the installation

[18]

Essential Health and Safety Requirements
Are fulfilled by the harmonized standard

[19]

Documents and technical datasheets:

Title	Object	Revision	Date
BH03			
HLBH03-01 Explosion-Proof Terminal Boxes	BH03A-00.1	Version 1.0	2025.3.15
HLBH03-02 Explosion-Proof Terminal Boxes	BH03A-01.1	Version 1.0	2025.3.15
HLBH03-03 Explosion-Proof Terminal Boxes	BH03A-02.1	Version 1.0	2025.3.15
HLBH03-04 Explosion-Proof Terminal Boxes	BH03A-03.1	Version 1.0	2025.3.15
HLBH03-05 Explosion-Proof Terminal Boxes	BH03A-04.1	Version 1.0	2025.3.15
HLBH03-06 Explosion-Proof Terminal Boxes	BH03A-05.1	Version 1.0	2025.3.15
HLBH03-06.1 Explosion-Proof Terminal Boxes	BH03A-06.1	Version 1.0	2025.3.15
HLBH03-07 Explosion-Proof Terminal Boxes	BH03A-07.1	Version 1.0	2025.3.15
HLBH03-07.1 Explosion-Proof Terminal Boxes	BH03A-08.1	Version 1.0	2025.3.15

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HLBH03-01 Explosion-Proof Terminal Boxes	BH03A-00	Version 1.0	2025.3.15
HLBH03-02 Explosion-Proof Terminal Boxes	BH03A-01	Version 1.0	2025.3.15
HLBH03-03 Explosion-Proof Terminal Boxes	BH03A-02	Version 1.0	2025.3.15
HLBH03-04 Explosion-Proof Terminal Boxes	BH03A-03	Version 1.0	2025.3.15
HLBH03-05 Explosion-Proof Terminal Boxes	BH03A-04	Version 1.0	2025.3.15
HLBH03-06 Explosion-Proof Terminal Boxes	BH03A-05	Version 1.0	2025.3.15
HLBH03-06.1 Explosion-Proof Terminal Boxes	BH03A-06	Version 1.0	2025.3.15
HLBH03-07 Explosion-Proof Terminal Boxes	BH03A-07	Version 1.0	2025.3.15
HLBH03-07.1 Explosion-Proof Terminal Boxes	BH03A-08	Version 1.0	2025.3.15
HLBH03 Gland plate grounding diagram	BH03A-09	Version 1.0	2025.3.15
Shell	BH03A-00-2	Version 1.0	2025.3.15
Shell	BH03A-01-1	Version 1.0	2025.3.15
Shell	BH03A-02-1	Version 1.0	2025.3.15
Shell	BH03A-03-1	Version 1.0	2025.3.15
Shell	BH03A-04-1	Version 1.0	2025.3.15
Shell	BH03A-05-2	Version 1.0	2025.3.15
Shell	BH03A-07-1	Version 1.0	2025.3.15
Shell cover	BH03A-00-4	Version 1.0	2025.3.15
Shell cover	BH03A-01-2	Version 1.0	2025.3.15
Shell cover	BH03A-02-2	Version 1.0	2025.3.15
Shell cover	BH03A-03-2	Version 1.0	2025.3.15
Shell cover	BH03A-04-2	Version 1.0	2025.3.15
Shell cover	BH03A-05-4	Version 1.0	2025.3.15
Shell cover	BH03A-06-1	Version 1.0	2025.3.15
Shell cover	BH03A-07-2	Version 1.0	2025.3.15
Shell cover	BH03A-08-1	Version 1.0	2025.3.15
Nameplate	BH03A-00-1	Version 1.0	2025.3.15
Nameplate	BH03A-05-1	Version 1.0	2025.3.15
Nameplate	BH03A-00-1.1	Version 1.0	2025.3.15
Nameplate	BH03A-05-1.1	Version 1.0	2025.3.15
Insert nut	BH03A-00-2-1	Version 1.0	2025.3.15
Insert nut	BH03A-00-2-2	Version 1.0	2025.3.15

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Gland plate	BH03A-00-3	Version 1.0	2025.3.15
Gland plate	BH03A-01-3	Version 1.0	2025.3.15
Gland plate	BH03A-02-3	Version 1.0	2025.3.15
Gland plate	BH03A-03-3	Version 1.0	2025.3.15
Gland plate	BH03A-04-3	Version 1.0	2025.3.15
Gland plate	BH03A-05-3	Version 1.0	2025.3.15
Gland plate	BH03A-07-3	Version 1.0	2025.3.15
Grounding piece	TC-003	Version 1.0	2025.3.15
Sealing strip	TM-108	Version 1.0	2025.3.15
Sealing strip	TM-109	Version 1.0	2025.3.15
Earthing plate Ø6.2	TP-003	Version 1.0	2025.3.15
Earthing plate Ø8.2	TP-004	Version 1.0	2025.3.15
Earthing plate Ø10	TP-005	Version 1.0	2025.3.15
Grounding nut	TZJ-51	Version 1.0	2025.3.15
Grounding nut	TZJ-52	Version 1.0	2025.3.15
Grounding nut	TZJ-53	Version 1.0	2025.3.15
BH05			
HLBH05-01A Explosion-Proof Terminal Boxes	BH05A-00.1	Version 1.0	2025.3.15
HLBH05-01 Explosion-Proof Terminal Boxes	BH05A-01.1	Version 1.0	2025.3.15
HLBH05-02A Explosion-Proof Terminal Boxes	BH05A-02.1	Version 1.0	2025.3.15
HLBH05-02 Explosion-Proof Terminal Boxes	BH05A-03.1	Version 1.0	2025.3.15
HLBH05-01A Explosion-Proof Terminal Boxes	BH05A-00	Version 1.0	2025.3.15
HLBH05-01 Explosion-Proof Terminal Boxes	BH05A-01	Version 1.0	2025.3.15
HLBH05-02A Explosion-Proof Terminal Boxes	BH05A-02	Version 1.0	2025.3.15
HLBH05-02 Explosion-Proof Terminal Boxes	BH05A-03	Version 1.0	2025.3.15
HLBH05 Gland plate grounding diagram	BH05A-04	Version 1.0	2025.3.15
Shell	BH05A-00-2	Version 1.0	2025.3.15
Shell	BH05A-02-2	Version 1.0	2025.3.15
Shell cover	BH05A-00-4	Version 1.0	2025.3.15
Shell cover	BH05A-02-4	Version 1.0	2025.3.15
Nameplate	BH05A-00-1	Version 1.0	2025.3.15
Nameplate	BH05A-02-1	Version 1.0	2025.3.15
Nameplate	BH05A-00-1.1	Version 1.0	2025.3.15

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Nameplate	BH05A-02-1.1	Version 1.0	2025.3.15
Built-in nut	BH05A-00-2-1	Version 1.0	2025.3.15
Conductive parts	BH05A-00-3	Version 1.0	2025.3.15
Socket	BH05A-00-3-4	Version 1.0	2025.3.15
Spring	BH05A-00-3-2	Version 1.0	2025.3.15
Nut	BH05A-00-3-1	Version 1.0	2025.3.15
Conductive rod	BH05A-00-3-4-1	Version 1.0	2025.3.15
Shaft	BH05A-00-3-3	Version 1.0	2025.3.15
Gland plate	BH05A-00-5	Version 1.0	2025.3.15
Gland plate	BH05A-02-3	Version 1.0	2025.3.15
Grounding piece	TC-003	Version 1.0	2025.3.15
Sealing strip	TM-104	Version 1.0	2025.3.15
Earthing plate Ø6.2	TP-003	Version 1.0	2025.3.15
Grounding nut	TZJ-51	Version 1.0	2025.3.15
HLBH03, HLBH05 Instruction Manual	SHL.511.067	Version 1.0	2025.5.26
IECEX report	Report No: CN/CQM/ExTR25.0041/00 Lab: Jiamusi Explosion- Proof Electric Machine Institute Co., Ltd. (JExM))	0	2025.9.10

The documents above-mentioned are strictly confidential and they are of only use of authorities.
A copy of the documents are saved by A.C.&E. Iberia S.L.

[20] Declaration of conformity History

Number of certificate	Rev.	Comments	Date
ACE26ATEX023X	00	First emission	14/07/2026

Date: 14/07/2026



Advanced Consulting and Engineering

Iberia SL

Notified Body No NB3024

Matteo Marconi, CEO

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