



CNEX-GLOBAL

[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: **CNEX 21 ATEX 0001 X Issue 0**

[4] Equipment : **Explosion-proof junction boxes model BHD51-*/***

[5] Manufacturer : **Warom Technology Incorporated Company**

[6] Address : **No. 555 Baoqian Road, Jiading District, Shanghai, 201808 China**

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] CNEX-Global B.V., Notified Body number 2614, in accordance with Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems 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. **20039**.

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

EN IEC 60079-0:2018 EN 60079-1:2014 EN 60079-31:2014

except in respect of those requirements listed at item 18 of the Schedule.

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to specific conditions for use specified in the schedule to this certificate.

[11] This EU – Type examination certificate relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following:

II 2G **Ex db IIC T6 Gb** or II 2D **Ex tb IIIC T80°C Db**

Certification officer : Hou Yandong

Signature:

Date of issue : 2021-01-15

Certification Body: CNEX-Global B.V., Utrechtseweg 310-B38, 6812 AR Arnhem, The Netherlands

This certificate may only be reproduced in its entirety and without any change, including schedule

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SCHEDULE

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[15] Description of equipment:

The series BHD51-*/* explosion-proof junction boxes consist of a body and a threaded cover that both are manufactured from aluminium alloy ZL102. Terminal assemblies are installed inside the enclosure. There are up to 4 threaded entry holes on the body. The thread specification of the threaded holes in the wall of the enclosure is limited to M20x1.5, M25x1.5, NPT1/2 or NPT3/4.

Nomenclature for model BHD51 – a/b:

BHD51	-	Explosion-proof Junction Box
a	-	Direction of cable entries (A, B, C, D or E)
b	-	Thread type (NPT = NPT threaded, M = Metric threaded)

Electrical Data:

Rated voltage	:	max. 690 Vac, or max. 500 Vdc
Rated frequency	:	50/60 Hz
Rated current	:	max. 20 A

Mounting Instructions:

See manufacturer's instructions.

Installation Instructions:

See manufacturer's instructions.

Routine tests:

Detailed in the Test Report Cover document. (ref. P20036A-CS).

[16] Descriptive Documents:

Detailed in the Test Report Cover document. (ref. P20036A-CS).

[17] Specific Conditions for Use:

The ambient temperature range is limited to -60 °C ~ +60 °C.

The product is delivered without cable glands. Before application, ATEX certified Ex db IIC Gb and/or Ex tb IIIC Db cable glands must be applied (as applicable), rated minimum IP66, suitable for the conditions of use and correctly installed.

Suitable heat-resisting cables shall be applied, rated minimum 80 °C.

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[18] Essential Health and Safety Requirements:

The Essential Health and Safety Requirements are covered by the standards listed at item [9].

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.

Additional Information:

The enclosures of the BHD51-*/* explosion-proof junction boxes successfully passed the tests for the Ingress Protection Level IP66 to EN 60529.