



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.:	IECEx CNEX 23.0008X	Page 1 of 4	Certificate history:
Status:	Current	Issue No: 0	
Date of Issue:	2024-01-05		
Applicant:	Zhejiang Tormin Electrical Co., Ltd. No. 2, Gangteng Road, Yongxing Subdistrict, Longwan District Wenzhou City, Zhejiang Province 325024 China		
Equipment:	Explosion protected junction box BHD.-.		
Optional accessory:			
Type of Protection:	Ex db, Ex tb		
Marking:	Ex db IIC T6 Gb Ex tb IIIC T80°C Db		

Approved for issue on behalf of the IECEx
Certification Body:

Hou Yandong

Position:

Certification Officer

Signature:
(for printed version)

Date:
(for printed version)

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 www.iecex.com or use of this QR Code.



Certificate issued by:

CNEX-Global B.V.
Utrechtseweg 310-B42,
6812 AR ARNHEM
Netherlands





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Manufacturer: **Zhejiang Tormin Electrical Co., Ltd.**
No. 2, Gangteng Road, Yongxing Subdistrict, Longwan District
Wenzhou City, Zhejiang Province 325024
China

Manufacturing locations: **Zhejiang Tormin Electrical Co., Ltd.**
No. 2, Gangteng Road, Yongxing Subdistrict, Longwan District
Wenzhou City, Zhejiang Province 325024
China

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 equipment 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

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2022](#) Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
Edition:3.0

This Certificate **does not** indicate compliance with 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:

[NL/CNEX/EXTR23.0008/00](#)

Quality Assessment Report:

[NL/CNEX/QAR23.0001/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Explosion Protected Junction Box model BHD.-. is constructed in explosion protection type flameproof enclosure "db" for Gas environments, and in explosion protection type protection by enclosure "tb" for Dust environments. Connection terminals are mounted inside the flameproof chamber. The metal enclosure parts are made of aluminum alloy 6063 with a minimum thickness of 3.0mm. The enclosure is fitted with three or four threaded (M20×1.5, M25×1.5, NPT1/2" or NPT3/4") openings for cable glands and stopping plugs.

For nomenclature and other details, see the Annex to this certificate.

SPECIFIC CONDITIONS OF USE: YES as shown below:

The ambient temperature range is limited to -50°C...+60°C.

The width of flameproof joint is more than the minimum values specified in IEC 60079-1 standard. If needed, repair of the flameproof joints must only be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in table 4 and table 5 of IEC 60079-1:2014.

If the product is delivered with integral cable glands, no other cable glands can be applied. In this case, only the cable gland parts supplied by the manufacturer shall be used.

If the product is delivered with stopping plugs, the user must apply IECEx certified cable glands, rated minimum IP66, suitable for the conditions of use and correctly installed.



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Additional information:

The enclosures of the Explosion Protected Junction Box model BHD.-., successfully passed the tests for the Ingress Protection Level IP66 to IEC 60529.

Annex:

[P23025IA-CCA certificate IECEx CNEX23.0008X issue 0 Annex_1.pdf](#)



Annex to Certificate IECEx CNEX 23.0008X Issue 0

Equipment or Protective System: **Explosion Protected Junction Box model BHD.-.**

Applicant: **Zhejiang Tormin Electrical Co., Ltd.**

Address: **No.2, Gangteng Road, Yongxing Subdistrict, Longwan District,
Wenzhou City, Zhejiang Province, P.R. China**

Nomenclature for model BHDa-b:

BHD	-	Junction box
a	-	Cable entry openings: 01= three cable entries, 02= four cable entries
b	-	Cable glands/plugs: A= three cable glands B= two stopping plugs and one cable gland None: four stopping plugs

Electrical Data for BHD.-:

Rated voltage: 500V max.
Rated current: 20A max.

Descriptive Documents:

Detailed in the Test Report Cover document. (ref. P23025IA-CS).

Mounting Instructions:

See manufacturer's instructions.

Installation Instructions:

See manufacturer's instructions.

Routine tests:

Routine tests are detailed in the Test Report Cover Sheet. (ref. P23025IA-CS).

Certification Body: CNEX-Global B.V., Utrechtseweg 310-B42, 6812 AR, Arnhem, the Netherlands

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