



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 CQM 24.0056X	Page 1 of 3	Certificate history:
Status:	Current	Issue No: 0	
Date of Issue:	2025-01-02		
Applicant:	Zhejiang Tormin Electrical Co., Ltd. No. 2, Gangteng Road, Yongxing Subdistrict, Longwan District Wenzhou City, Zhejiang Province 325024 China		
Equipment:	Explosion-proof lighting switch typed BZM */*		
Optional accessory:			
Type of Protection:	Flameproof enclosure "db", Dust ignition protection by enclosure "tb"		
Marking:	Ex db IIC T6 Gb; Ex tb IIIC T80°C Db		

Approved for issue on behalf of the IECEx
Certification Body:

Ji Xiaodong

Position:

President

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:

China Quality Mark Certification Group Co., Ltd.
No. 33 Zengguang Road, Haidian District
Beijing City, Postal code: 100048
China





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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:

CN/CQM/ExTR24.0076/00

Quality Assessment Report:

NL/CNEX/QAR23.0001/01



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

BZM series explosion-proof lighting switch has one flameproof compartment with the same size of housing but in different metallic enclosure (ADC12 or ZL104). There are nine electrical parameters (table below), and three types of cable entries including G 3/4", NPT3/4" or M25×1.5. Cable entries with G thread are certificated with clamping nut and sealing ring as cable gland integrally with the equipment and cable entries with NPT3/4", M25×1.5 shall be installed with separated certified cable glands.

Relation between product model and specifications

Product model	Specifications
BZM 10/A	Rated current 10A, Monopolar
BZM 10/B	Rated current 10A, Bipolar
BZM 10/C	Rated current 10A, Dual control
BZM 16/A	Rated current 16A, Monopolar
BZM 16/B	Rated current 16A, Bipolar
BZM 16/C	Rated current 16A, Dual control
BZM 20/A	Rated current 20A, Monopolar
BZM 20/B	Rated current 20A, Bipolar
BZM 20/C	Rated current 20A, Dual control

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Ambient temperature range: -40°C~+55°C.
2. Observe the warning :
WARNING-DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT
WARNING-POTENTIAL ELECTROSTATIC CHARGING HAZARD-SEE INSTRUCTIONS
CAUTION - USE FASTENERS WITH YIELD STRESS $\geq 450\text{MPa}$
3. Contact the original manufacturer for the information of dimension of flameproof joint.
4. When the product is installed in explosive gas and dust atmosphere, separated certified cable glands or blanking elements fulfil requirements of IEC 60079-0:2017 , IEC 60079-1:2014 , IEC 60079-31:2022 with Ex marking Ex db IIC Gb, Ex tb IIIC Db, IP66 shall be incorporate.
5. The maximum temperature of cable entry and branch points are 76.4°C and 102.1°C, choose proper cable and cable glands during installation.