



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 22.0014X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-01-20

Applicant: **CZ Electric Co., Ltd.**
No. 1 Qixing Rd, Qixing Town, Nanhu District
Jiaxing City, Zhejiang Province 314 002
China

Equipment: **Explosion-proof (Emergency) LED Tubular Light Fittings models CZ6365/11**

Optional accessory:

Type of Protection: **Ex db, Ex tb**

Marking: **Ex db IIB+H2 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)

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2. This certificate is not transferable and remains the property of the issuing body.
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Certificate issued by:

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





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Date of issue: 2023-01-20

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Manufacturer: **CZ Electric Co., Ltd.**
No. 1 Qixing Rd, Qixing Town, Nanhu District
Jiaxing City, Zhejiang Province 314 002
China

Manufacturing
locations:

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 60079-1:2014-06](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-31:2022-01](#) 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/ExTR22.0014/00](#)

Quality Assessment Report:

[CN/CQM/QAR08.0001/08](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The explosion-proof LED Tubular Light Fittings models CZ6365/11 are constructed in type of protection flameproof enclosure 'db' for explosive gas atmospheres and in type of protection protection by enclosure 'tb' for explosive dust atmospheres. The light-transmitting parts are made of polycarbonate, with the two end bodies of its enclosure made of stainless steel 316L. There are two cable entries provided size M20×1.5-6H.

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

SPECIFIC CONDITIONS OF USE: YES as shown below:

The ambient temperature range is limited as follows:

- for CZ6365/11□-□□□W□-17-... Series Explosion-proof LED Tubular Light Fittings:
-40°C ≤ Ta ≤ +55°C and -60°C ≤ Ta ≤ +55°C.
- for CZ6365/11□-□□□W□-17-M... Series Explosion-proof emergency LED Tubular Light Fittings:
-40°C ≤ Ta ≤ +50°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 of IEC 60079-1:2014.

Before application, separate IECEx certified cable glands and/or stopping plugs must be applied, rated minimum IP66/IP67, suitable for the conditions of use and correctly installed.

To avoid explosion risks from static electricity, clean the lamp surface only with a wet cloth.

Annex:

[P22073IA-CCA certificate IECEx CNEX22.0014X issue 0 Annex_1.pdf](#)



Annex to Certificate IECEx CNEX 22.0014X Issue 0

Equipment or Protective System: **Explosion-proof (Emergency) LED Tubular Light Fittings**

Applicant: **CZ Electric Co., Ltd.**

Address: **No.1 Qixing Rd., Qixing Town, Nanhu District, Jiaxing City,
Zhejiang Province, 314002, China**

Nomenclature:

Model	CZ6365	/	1	1	□	-	□	□	□	W	□	-	$\frac{1}{7}$	-□	...
Code	a	/	b	c	d	-	e	f	g	h	-	i	j	k	
a	Series Model: CZ6365														
b	Type of explosion-proof:1 = Flameproof														
c	Light body code:1 = No.1 enclosure														
d	Light cover code: 2 = 600mm; 3 = 900mm; 4 = 1200mm														
e	Light source code: LED = General LED light source; T8LED= T8 lamp type LED light source														
f	Light source quantity code: 0 = 1; 2 = 2														
g	Light source power value	Standard: d = 2, Max 30W; d = 3, Max 40W; d = 4, Max 50W													
		Emergency type: d = 3, Max 30W; d = 4, Max 40W													
h	Color temperature code: 3 = 3000K; 4 = 4000K; 5 = 5000K; 6 = 6500K														
i	Voltage code: 17: 100-250V AC 50/60Hz; 127-250V DC														
j	Emergency code: blank = standard; M = emergency														
k	Other: Any number or letter not related to explosion-proof														

Electrical Data:

Rated voltage: 100~250V AC, 127~250V DC

Rated frequency: 50/60Hz / DC

Rated power: CZ6365/112: Max.30W; CZ6365/113: Max.40W; CZ6365/114: Max.50W

Emergency power: 8W

See the Test Report Cover Sheet (ref. P22073IA-CS) for details.

Descriptive Documents:

Detailed in the Test Report Cover document. (ref. P22073IA-CS).

Mounting Instructions:

See manufacturer's instructions.

Installation Instructions:

See manufacturer's instructions.

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

This Annex may only be reproduced in its entirety and without any change



Annex to Certificate IECEx CNEX 22.0014X Issue 0

Routine tests:

Routine overpressure tests on enclosure parts are detailed in the Test Report Cover Sheet.
(ref. P22073IA-CS).

Additional Information:

The enclosures of the Explosion-proof (Emergency) LED Tubular Light Fittings have successfully passed the tests for the Ingress Protection level IP66/67 to IEC 60529.