IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.:	IECEx TUR 15.0038X	Issue No: 0	Certificate history: Issue No. 0 (2017-01-24)
Status:	**Current**	Page 1 of 4	
Date of Issue:	**2017-01-24**		

Applicant: **CZ Explosion-proof Electric Appliances Co.,Ltd.**
No.1 Qixing Rd, Qixing Town, Nanhu District,
Jiaxing, Zhejing, P.R.China
China

Equipment: **Explosion-proof overhaul(equipment) light fittings CZ1260 / * - LED11W - ***
Optional accessory:

Type of Protection: **Ex d, Ex e, Ex tb**

Marking: Ex de IIC T5 Gb
Ex tb III C T95°C Db (-20°C / -40°C ≤ Ta ≤+55°C)
Ex de IIC T6 Gb
Ex tb III C T80°C Db(-20°C / -40°C ≤ Ta ≤+40°C)

Approved for issue on behalf of the IECEx Certification Body: Andreas Maschke

Position: Deputy Head of Certification Office

Signature:
(for printed version)

Date: 2017-01-24

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 the Official IECEx Website.

Certificate issued by:

TUV Rheinland Industrie Service GmbH
Am Grauen Stein
51105 Cologne
Germany

TÜVRheinland

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Manufacturer: **CZ Explosion-proof Electric Appliances Co.,Ltd.**
No.1 Qixing Rd, Qixing Town, Nanhu District,
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China

Additional Manufacturing location(s):

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 electrical apparatus 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 : 2011 Edition:6.0	Explosive atmospheres - Part 0: General requirements
IEC 60079-1 : 2014-06 Edition:7.0	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
IEC 60079-31 : 2013 Edition:2	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2015 Edition:5.0	Explosive atmospheres – Part 7: Equipment protection by increased safety "e"

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

DE/TUR/ExTR15.0038/00

Quality Assessment Report:

CN/CQM/QAR08.0001/05

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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

General product information:

The Explosion-proof overhaul(equipment) light fittings type CZ1260 including fixed installation and hand-held. All electrical design and mechanical construction are same for this two kind of lamp except that the cable entry(cable gland 16A/3P is used for hand-held lamp, and IECEx certified M25x1.5 cable gland is used for fixed installation lamp), which is located into terminal chamber of CZ1260. The terminal chamber with protection type "e",and light source chamber with protection type "d", and the power module and light source module are enclosed in the flameproof enclosure. The whole enclosure of Ex lamp are made of plastic materials completely. Additional earthing design was adopted for the hand-held lamps.

General parameters:

Work voltages:

1. AC 12 ~ 36V with 50Hz/60Hz and DC 12 ~ 48V

2. AC/DC 100 ~ 250V with 50Hz/60Hz

3. AC48 ~ 110V with 50Hz/60Hz and DC 70 ~ 110V

Power: 11W for all types

Temperature class:

T6 (71.1°C): -20°C /-40°C ≤ Ta ≤ +40°C

T5 (86.1°C): -20°C / - 40°C ≤ Ta ≤ +55°C

IP Ratings:

IP 66(For fixed installation lamp)

IP 67(For hand-held lamp)

Minimum IP54 requirement for whole lamps are considered also.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Only specified cable entry can be used.
2. The equipment CZ1260 shall be protected from mechanical impacts.If damages occured,the equipment must be removed from the hazardous area.

3. Do not rub on the plastic enclosure of this equipment.

4. The non-metallic parts of the enclosure shall not exposed to frequent temperature changes.

5. Earthing connections must be checked and observed in accordance with user manual.

6. WARNING- POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS

7. WARNING- CLEAN ONLY WITH A DAMP CLOTH

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8. WARNING- DO NOT OPEN WHEN ENERGIZED