



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 CQM 10.0002X

Issue No: 1

Certificate history:

Status: Current

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Issue No. 1 (2017-05-04)

Issue No. 0 (2010-01-28)

Date of Issue: 2017-05-04

Applicant: CZ EXPLOSION-PROOF ELECTRIC APPLIANCES Co., LTD.
No. 1 Qixing Rd, Qixing Town, Nanhu District, Jiaxing City, Zhejiang Province
Postal code: 314 002
China

Equipment: Full Plastic Explosion-proof Plugs and Sockets CZ0253... and CZ0254...

Optional accessory:

Type of Protection: Ex "d", Ex "e", and Ex "t"

Marking:

For CZ0253...:
Ex db eb IIC T6(-40°C ≤ T_{as} ≤ +40°C) / T5(-40°C ≤ T_{as} ≤ +55°C) Gb
Ex tb IIIC T80°C(-40°C ≤ T_{as} ≤ +40°C) / T95°C(-40°C ≤ T_{as} ≤ +55°C) Db
IP65
For CZ0254...:
Ex db eb IIC T5 Gb
Ex tb IIIC T95°C Db
IP65
For 115A (-40°C ≤ T_{as} ≤ +55°C), For125A (-40°C ≤ T_{as} ≤ +45°C)

Approved for issue on behalf of the IECEx
Certification Body:

Ji Xiaodong

Position:

General Manager

Signature:
(for printed version)

Date:

2017-05-04

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](http://www.iecex.com).

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: CZ EXPLOSION-PROOF ELECTRIC APPLIANCES Co., LTD.
No. 1 Qixing Rd, Qixing Town, Nanhu District, Jiaxing City, Zhejiang Province
Postal code: 314 002
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:

CN/CQM/ExTR10.0002/01 CN/CQM/ExTR10.0003/01

Quality Assessment Report:

CN/CQM/QAR08.0001/06



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

Description of equipment

The socket and plug composes a plug-and-socket device. The type of protection is Flameproof Enclosure and Increased Safety / Protection by Enclosure and is used for connection of mobile electrical equipment or for connecting cables in potentially explosive atmospheres.

Rating

CZ0253....: 63A, 4-pole-max.690VAC, 5-pole-max.415VAC, 50/60Hz;

CZ0254....:115A (-40°C ≤Ta≤ +55°C), 125A (-40°C ≤Ta≤ +45°C)

4-pole-max.690VAC, 5-pole-max.415VAC, 50/60Hz;

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The holes for cable entries should be installed with suitably certified cable glands. The unused holes should be closed by suitably certified stopping plugs. Ensure that IP degree is not less than IP65.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

1 Updated edition of IEC 60079-0 to Ed 6.0, IEC 60079-1 to Ed 7.0 and IEC 61241-0, -1 to IEC 60079-31 Ed 2.0.

2 Some materials are changed.

3 For CZ 0254, when rated current is 115A, the ambient temperature is $-40^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$.