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 10.0013**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2010-06-24		
Applicant:			
Equipment:	**Full Plastic Explosion-proof Plugs and Sockets CZ0251...**		
Optional accessory:			
Type of Protection:	**Ex "d", Ex"e", Ex "tD"**		
Marking:	Ex de IIC T6 (Ta≤+45℃) / T5 (Ta≤+55℃) Gb Ex tD A21 T80℃ (Ta≤+45℃)/ T95℃ (Ta≤+55℃) IP66		

Approved for issue on behalf of the IECEx Certification Body: **Zhang Wei**

Position: **General Manager**

Signature: (for printed version)

Date:

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: 100037
China

IECEx Certificate of Conformity

Certificate No.: **IECEx CQM 10.0013**

Date of issue: 2010-06-24 Issue No: 0

Manufacturer:

Additional 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 60079-0:2007-10 Explosive atmospheres - Part 0:Equipment - General requirements
Edition:5

IEC 60079-1:2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

IEC 60079-7:2006-07 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:4

IEC 61241-0:2004 Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
Edition:1

IEC 61241-1:2004 Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"
Edition:1

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/ExTR10.0023/00

Quality Assessment Report:

CN/CQM/QAR08.0001/00

IECEx Certificate of Conformity

Certificate No.: **IECEx CQM 10.0013** Page 3 of 3

Date of issue: 2010-06-24 Issue No: 0

EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

Description of equipment

This certificate covers the following types:
CZ0251…

Structure of production

The socket and plug composes a plug-and-socket device. The type of protection is Flameproof Enclosure and Increased Safety / Protection by Enclosure. The socket and plug is inclusive wall type and coupler type.

Technical data

Rated current 16A

Rated voltage: 3-pole-415VAC, 4-pole-690VAC, 5-pole-500VAC, 50/60Hz

The safe use condition

a Service ambient temperature: -40 °C to +45 °C or +55°C.

b When application, the earthing is well.

c When assembly, operation and maintenance, the operator should follow the requirements of IEC60079-14, beside Operating Instructions of the product.

SPECIFIC CONDITIONS OF USE: NO

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 10.0013X**

Page 1 of 4

Certificate history:
Issue 0 (2010-06-24)

Status: **Current**

Issue No: 1

Date of Issue: 2017-05-04

Applicant:

Equipment: **Full Plastic Explosion-proof Plugs and Sockets CZ0251...**

Optional accessory:

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

Marking: Ex db eb IIC T6(Ta ≤ +45°C) / T5(Ta ≤ +55°C) Gb
Ex tb III C T80°C (Ta ≤ +45°C) / T95°C (Ta ≤ +55°C) Db

Approved for issue on behalf of the IECEx Certification Body: **Ji Xiaodong**

Position: **General Manager**

Signature:
(for printed version)

Date:

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

IECEx Certificate of Conformity

Certificate No.: **IECEx CQM 10.0013X** Page 2 of 4

Date of issue: 2017-05-04 Issue No: 1

Manufacturer:

Additional 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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-1:2014-06 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

IEC 60079-31:2013 Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
Edition:2

IEC 60079-7:2015 Explosive atmospheres – Part 7: Equipment protection by increased safety "e"
Edition:5.0

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/ExTR10.0023/01

Quality Assessment Report:

CN/CQM/QAR08.0001/06

IECEx Certificate of Conformity

EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

Description of equipment

CZ0251 series plugs and sockets compose the plug-and-socket devices. The type of protection is flameproof enclosure , increased safety and protection by enclosure. The plugs and sockets include wall type and coupler type.

Rating

16A, 2-pole-50V DC/ AC, 0 Hz & 50/60Hz;
3-pole-250V AC, 4-pole-690V AC, 5-pole-415V AC, 50/60Hz

Ingress protection:

For Ingress protection: IP66 (Couple type plugs and sockets), IP65 (Wall type plugs and sockets)

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.

2. If needed, repair of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer.

3. Ambient temperature range:

-40℃ ~+45℃ (Ex db eb IIC T6 Gb, Ex tb IIICT80℃;

-40℃~ +55℃ (Ex db eb IIC T5 Gb, Ex tb IIIC T95℃)

IECEx Certificate of Conformity

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. Add 2 pole 50V DC/ AC, 0 Hz & 50/60Hz explosion-proof plug and sockets. The explosion-proof structure of this plugs and sockets are same to the 3 pole 415 V 50/60 Hz.

3. Some materials are changed.

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 10.0014U**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2010-06-24		
Applicant:			
Equipment:	**Full Plastic Explosion-proof Panel Type Plugs and Sockets CZ0251...**		
Optional accessory:			
Type of Protection:	**Ex "d", Ex"e", Ex "tD"**		
Marking:	Ex de IIC Gb Ex tD A21 Tamb: -40℃ to +45℃ or +55℃		

Approved for issue on behalf of the IECEx Certification Body: **Zhang Wei**

Position: **General Manager**

Signature: (for printed version)

Date:

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: 100037
China

IECEx Certificate of Conformity

Certificate No.: **IECEx CQM 10.0014U** Page 2 of 3

Date of issue: 2010-06-24 Issue No: 0

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 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 60079-0:2007-10 Explosive atmospheres - Part 0:Equipment - General requirements
Edition:5

IEC 60079-1:2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

IEC 60079-7:2006-07 Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:4

IEC 61241-0:2004 Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
Edition:1

IEC 61241-1:2004 Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"
Edition:1

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/ExTR10.0023/00

Quality Assessment Report:

CN/CQM/QAR08.0001/00

IECEx Certificate of Conformity

Certificate No.: **IECEx CQM 10.0014U** Page 3 of 3

Date of issue: 2010-06-24 Issue No: 0

EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

Description of equipment

This certificate covers the following types:
CZ0251…

Structure of production

The panel type socket and plug composes a plug-and-socket device. The type of protection is Flameproof Enclosure and Increased Safety / Protection by Enclosure.

Technical data

Rated current 16A

Rated voltage: 3-pole-415VAC, 4-pole-690VAC, 5-pole-500VAC, 50/60Hz

The safe use condition

a The panel type socket and plug is an Ex compenent and shall be installed on an appropriate explosion-proof enclosure for use in explosive atmospheres and with degree of protection at least IP5X.

b Service ambient temperature: -40℃ to +45℃ or +55℃.

SPECIFIC CONDITIONS OF USE: NO