



EU-TYPE EXAMINATION CERTIFICATE

Component intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

Certificate Number: **Sira 16ATEX3268U** Issue: **0**

Component: **Product Name: CZ1300 Series Explosion-proof boxes**

Applicant: **CZ Explosion-Proof Electric Appliances Co. Ltd.**

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

This component and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

Sira Certification Service, notified body number 0518 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of a component intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 60079-0:2012

EN 60079-7:2015

EN 60079-31:2014

The above list of documents may detail standards that do not appear on the UKAS Scope of Accreditation, but have been added through Sira's flexible scope of accreditation, which is available on request.

The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject to further assessment when incorporated into equipment. Any limitations of use are listed in the schedule to this certificate.

This EU-Type Examination Certificate relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

The marking of the component shall include the following:



II 2 G D

Ex eb IIC Gb

Ex tb IIIC Db

Refer to the Specific Conditions of Use for Service Temperature

Project Number 70078067


N Jones
Certification Manager

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SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE

Sira 16ATEX3268U
Issue 0

13 DESCRIPTION OF COMPONENT

The CZ1300 Series Explosion-proof enclosures are certified as Ex components to protection types Ex eb (increased safety) and Ex tb (dust ignition protection). The body and cover of these boxes are manufactured from 304 or 316 stainless steels or carbon steel which is coated with epoxy powder.

For CZ1300/5 series explosion-proof enclosure (cover-open type), the cover is mounted to the body with stainless steel screws. For CZ1300/6 Series explosion-proof boxes (door-open type), the cover is mounted to the body with hinges and a lock. There is either a silicon rubber gasket or foaming polyurethane gasket sited between the cover and body.

On the side walls of the CZ1300 series explosion-proof boxes, there are optional gland plates used to mount cable glands or windows which can be used to connect other CZ1300 explosion-proof boxes by way of a connection board manufactured of polyamide material. There are silicon rubber sealing gasket or foaming polyurethane sealing gasket between body and cover of boxes, or between gland plate and body of boxes, or between connection body and body of boxes to maintain ingress protection of boxes to IP 66.

The specification of minimum and maximum dimension of these boxes are listed as below:

Type	Minimum dimension (mm) (Width x Length x Height)	Maximum dimension (mm) (Width x Length x Height)
CZ1300/5	120x160x91	750x750x276
CZ1300/6	250x370x156	750x750x226

Model designators of CZ1300 are as follows:

<u>CZ</u>	<u>13</u>	<u>00</u>	/	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	-----Code of box
									-----Colour code-----
									0 - Primary colour
									1 - Silver colour
									2 - Grey colour
									3 - White
									4 - Blue
									5 - Yellow
									6 - Red
									9 - Customized colour
									-----Material code-----
									2 - Carbon steel
									4 -Stainless steel 304
									6 -Stainless steel 316L
									-----Thickness code-----
									1 - 1.5mm
									2 - 2mm
									-----Structure code-----
									5 - Open cover type
									6 - Open door type
									-----Empty box
									-----Year number of product development
									-----The abbreviation code of manufacturer name

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Sira Certification Service

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14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	29 November 2016	R70078067A	The release of the prime certificate.

15 SCHEDULE OF LIMITATIONS

15.1 The rated service temperatures shall not exceed the following values:

Material of Sealing Gasket	Service Temperature
the material of the sealing gasket is silicon rubber (gray) and the connection boards are not used for CZ1300	-55°C to +115°C
the material of the sealing gasket is silicon rubber (gray) and the connection boards are used	-55°C to +90°C
the material of the sealing gasket is foaming polyurethane	-40°C to +60°C

15.2 The CZ1300 Series Explosion-Proof carbon steel enclosures have a non-conducting coating and may generate an ignition-capable level of electrostatic charge under certain extreme dust conditions. The user shall ensure that the equipment is not installed in a location where it may be subjected to external conditions (such as high-pressure steam) which might cause a build-up of electrostatic charges on non-conducting surfaces. Additionally, cleaning of the equipment should be done only with a damp cloth.

15.3 The screws used to secure the cover and body, cable gland plate and connection board shall be fastened to a torque value of 3 Nm.

16 ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in the reports listed in Section 14.2.

17 CONDITIONS OF MANUFACTURE

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.

17.2 Holders of EU-Type Examination Certificates are required to comply with the conformity to type requirements defined in Article 13 of Directive 2014/34/EU.

Certificate Annexe



Certificate Number: **Sira 16ATEX3268U**
 Component: **Product Name: CZ1300 Series Explosion-proof boxes**
 Applicant: **CZ Explosion-Proof Electric Appliances Co. Ltd.**

Issue 0

Drawing	Sheets	Rev.	Date (Sira Stamp)	Title
2CZ1300.001.001~054	1 to 3	AA	23 Oct 16	CZ1300/5 EXPLOSION-PROOF BOX
2CZ1300.001.055~082	1 to 3	AA	23 Oct 16	CZ1300/6 EXPLOSION-PROOF BOX
8CZ1300.000.001~054	1 of 1	AA	23 Oct 16	5 ENCLOSURE BODY
8CZ1300.000.055~076	1 of 1	AA	23 Oct 16	5 ENCLOSURE COVER
8CZ1300.000.077~104	1 of 1	AA	23 Oct 16	6 ENCLOSURE BODY
8CZ1300.000.105~118	1 of 1	AA	23 Oct 16	6 ENCLOSURE COVER
8CZ1300.000.013	1 of 1	AA	23 Oct 16	CZ1300 SEALING STRIP
28039.001.000	1 of 1	AA	23 Oct 16	8039 STAINLESS STEEL LOC
88039.000.001	1 of 1	AA	23 Oct 16	8039 LOCK BODY
88039.000.002	1 of 1	AA	23 Oct 16	8039 LOCK CORE
88039.000.003	1 of 1	AA	23 Oct 16	8039 LOCK TONGUE
88039.000.004	1 of 1	AA	23 Oct 16	8039 LOCKNUT
88039.000.005	1 of 1	AA	23 Oct 16	8039 SEALING WASHER
88039.000.006	1 of 1	AA	23 Oct 16	S07E2642 SEALING RING
28040.001.000	1 of 1	AA	23 Oct 16	8040 STAINLESS STEEL NAMEPLATE
88040.000.002	1 of 1	AA	23 Oct 16	8040 NAMEPLATE
88040.000.003	1 of 1	AA	23 Oct 16	S07D5604 SEALING RING
8CZ1300.000.125	1 of 1	AA	23 Oct 16	NAMEPLATE
88036.010~018.000	1 of 1	AA	23 Oct 16	8036/ REMOVABLE PLATE
88038.001.000	1 of 1	AA	23 Oct 16	YH-BSO4-M5-10 BLIND RIVET
88038.002.000~002	1 of 1	AA	23 Oct 16	M FLAT HEAD BLIND RIVET NUT
88038.004.000	1 of 1	AA	23 Oct 16	YH-NFHS-M5-25 HEXAGON RIVETED SCREW
88004.005.000	1 of 1	AA	23 Oct 16	8004/41 CONNECTION BOARD
88004.006.000	1 of 1	AA	23 Oct 16	8004/42 CONNECTION BOARD
88004.007.000	1 of 1	AA	23 Oct 16	8004/51 CONNECTION BOARD
88004.008.000	1 of 1	AA	23 Oct 16	8004/52 CONNECTION BOARD
88004.009.000	1 of 1	AA	23 Oct 16	8004/61 CONNECTION BOARD
88004.010.000	1 of 1	AA	23 Oct 16	8004/62 CONNECTION BOARD
88004.011.000	1 of 1	AA	23 Oct 16	8004/71 CONNECTION BOARD
88004.012.000	1 of 1	AA	23 Oct 16	8004/72 CONNECTION BOARD
8CZ0251.004.005.5	1 of 1	AB	23 Oct 16	BOLT SEAL

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