



1 **EU-TYPE EXAMINATION CERTIFICATE**

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

3 Certificate Number: **CSACa 22ATEX1006U** Issue: **0**

4 Component: CZ0220 Series Cable glands, Stopping Plug and Reducer

5 Applicant: CZ ELECTRIC Co., Ltd

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

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

8 CSA Group Testing & Certification Inc., notified body number 2899 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.

9 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 IEC60079-0:2018 EN 60079-7:2015+A1:2018 EN 60079-31:2014

10 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.

11 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.

12 The marking of the component shall include the following:



II 2 GD

Ex eb IIC Gb; Ex tb IIIC Db IP66/IP67

Project Number 80109415

Sr. Director Operations

**CSA Group Testing & Certification Inc.**  
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**SCHEDULE**

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**13 DESCRIPTION OF COMPONENT**

**CZ0220 Series Cable Glands** are consisted of Sleeve set (made of plastic material) , Sealing nut (made of plastic material),clamping ring I (made of silicon Rubber) , and clamping Ring II (made of silicon rubber), Dust-Proof gasket (made of EVA) , Gasket ( made of silicon rubber) and Locking nut ( made of plastic material or H59 or 304 ,316 stainless steel. The difference of CZ0220/12 and CZ0220/13 is the color of sealing nut, the color of Sealing nut of CZ0220/12 is black, the color of sealing nut of CZ0220/13 is blue. The type of designation of CZ0220 series cable gland listed as below:  
Type designation:

Type	CZ	02	20	/	□	-	□	□	-	□
Code	a	b	c		d		e	f		g

a	The abbreviation code of manufacturer name									
b	Year number of product development									
c	Design number									
d	Cable gland type code	12=increased safety type								
		13= intrinsic safety type								
e	Entry thread Specification code	16:M16x1.5								
		20:M20x1.5								
		25:M25x1.5								
		32:M32x1.5								
		40:M40x1.5								
		50:M50x1.5								
		63:M63x1.5								
f	Entry thread legth code	10:10mm								
		11:11mm								
		12:12mm								
		14:14mm								
		16:16mm								
g	Product number (no effect of Ex type)									

Notes: CZ0220/13 intrinsic safety type only means the color the sealing nut of cable gland is blue; the protection type of CZ0220/13 is Ex eb and Ex tb.

**CZ0220/32 Series stopping plugs** are consisted of stopping plug (made of plastic material) and rubber gasket, the type of designation of CZ0220/32 Series stopping plug listed as below:

Type	CZ	02	20	/	32	-	□	□	-	□
Code	a	b	c		d		e	f		g

a	The abbreviation code of manufacturer name									
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b	Year number of product development	
c	Design number	
d	Stopping plug :32	
e	Entry thread Specific ation code	16:M16x1.5
		20:M20x1.5
		25:M25x1.5
		32:M32x1.5
		40:M40x1.5
		50:M50x1.5
f	Entry thread legth code	14:14mm
		15:15mm
		16:16mm
		19:19mm
g	Product number (no effect of Ex type)	

**CZ0220/42 Series Reducers are consisted of Reducer body (made of plastic material) and Rubber gasket,** the type of designation of CZ0220/42 Series reducer listed as below:

Type	CZ	02	20	/	42	-	M	□	-	M	□
Code	a	b	c		d			e			f

a	The abbreviation code of manufacturer name	
b	Year number of product development	
c	Design number	
d	Reducer: 42	
e	External thread	20:M20x1.5
		25:M25x1.5
		32:M32x1.5
		40:M40x1.5
		50:M50x1.5
		63:M63x1.5
f	internal thread	16:M16x1.5
		20:M20x1.5
		25:M25x1.5
		32:M32x1.5
		40:M40x1.5
		50:M50x1.5

**14 DESCRIPTIVE DOCUMENTS**

**14.1 Drawings**

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Refer to Certificate Annexe.

14.2 **Associated CSA Reports and Certificate History**

Issue	Date	Report number	Comment
0	17 November 2022	R80109415A	The release of the prime certificate.

15 **SCHEDULE OF LIMITATIONS**

15.1 The service temperature range of CZ0220 Series Cable Gland, stopping plug and Reducer is listed as below

Component Name	Type	Service Temperature (°C)		Remark
		Upper	Lower	
Reducer	CZ0220/42- M□- M□	75	-55	These types are subjected to 7J impact under this lower/upper service temperature
Stopping Plug	CZ0220/32-16□-□	75	-55	These types are subjected to 4J impact under this lower /upper service temperature
	CZ0220/32-20□-□ CZ0220/32-25□-□	75	-40	These types are subjected to 7J impact under this lower/upper service temperature
	CZ0220/32-20□-□ CZ0220/32-25□-□	75	-55	These types are subjected to 4J impact under this lower service temperature
	CZ0220/32-32□-□ CZ0220/32-40□-□	75	-55	These types are subjected to 7J impact under this

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Component Name	Type	Service Temperature (°C)		Remark
		Upper	Lower	
	CZ0220/32-50□-□ CZ0220/32-63□-□			lower/upper service temperature
Cable Gland	CZ0220/□-16□-□	75	-55	These types are subjected to 4J impact under this lower/upper service temperature
	CZ0220/□-20□-□	75	-40	These types are subjected to 7J impact under this lower/upper service temperature
	CZ0220/□-20□-□	75	-55	These types are subjected to 4J impact under this lower service temperature
	CZ0220/□-25□-□ CZ0220/□-32□-□ CZ0220/□-40□-□ CZ0220/□-50□-□ CZ0220/□-63□-□	75	-55	These types are subjected to 7J impact under this lower/upper service temperature

15.2 When specific lower ambient temperature is -55°C, the following component should be installed in the area low risk of mechanical danger:

Component Name	Type
Stopping Plug	CZ0220/32-16□-□
	CZ0220/32-20□-□

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	CZ0220/32-25□-□
Cable Gland	CZ0220/□-16□-□
	CZ0220/□-20□-□

- 15.3 CZ0220 Series cable gland only passed the clamping tests with the values reduced to 25% of these required in Clause A.3.1.1 of EN 60079-0, the end user shall provide additional clamping of the cable to ensure that pulling is not transmitted to the terminations.
- 15.4 Only one reducer shall be installed in any one cable entry.
- 15.5 Shall only be cleaned with damp cloth.
- 15.6 The CZ0220 series cable gland shall be installed with a certified enclosure which protection type is Ex eb/Ex tb and ingress protection level is IP 66 /IP 67 according to user manual, including tightening process of compression element and tightening torque.

**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 CSA 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.

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# Certificate Annexe



Certificate Number: **CSACa 22ATEX1006U**  
 Component: **CZ0220Series Cable glands, Stopping Plug and Reducer**  
 Applicant: **CZ ELECTRIC Co., Ltd**

## Issue 0

Drawing	Sheets	Rev.	Date (Stamp)	Title
2CZ0220.001~009.001~004	1	AB	25/11/22	CZ0220 Series Plastic Cable Gland
8CZ0220.001.001	1	AB	28/12/21	Sleeve set of M16
8CZ0220.001.002.1~2	1	AB	28/12/21	Sealing nut of M16□
8CZ0220.001.003	1	AB	28/12/21	Clamping Ring of M16
8CZ0220.002.001	1	AB	28/12/21	Sleeve set of M20
8CZ0220.002.002.1~2	1	AB	28/12/21	Sealing nut of M20□
8CZ0220.001~006.004	1	AB	28/12/21	Clamping Ring II of M20~M63
8CZ0220.002~007.003	1	AB	28/12/21	Clamping Ring I of M20~M63
8CZ0220.003.001	1	AB	28/12/21	Sleeve set of M25
8CZ0220.003.002.1~4	1	AB	28/12/21	Sealing nut of M25□
8CZ0220.004.001	1	AB	28/12/21	Sleeve set of M32
8CZ0220.004.002.1~4	1	AB	28/12/21	Sealing nut of M32□
8CZ0220.005.001	1	AB	28/12/21	Sleeve set of M40
8CZ0220.005.002.1~2	1	AB	28/12/21	Sealing nut of M40□
8CZ0220.006.001	1	AB	28/12/21	Sleeve set of M50
8CZ0220.006.002.1~2	1	AB	28/12/21	Sealing nut of M50□
8CZ0220.007.001	1	AB	28/12/21	Sleeve set of M63
8CZ0220.007.002.1~2	1	AB	28/12/21	Sealing nut of M63□
8CZ0220.007.004	1	AB	28/12/21	Four Hole clamping ring of M25
8CZ0220.008.001	1	AB	28/12/21	M20 Extension Parts
8CZ0220.008.004	1	AB	28/12/21	Four Hole clamping ring of M32
8CZ0220.009.001	1	AB	28/12/21	M25 Extension Parts
8CZ0220.010.001	1	AB	28/12/21	M32 Extension Parts
8CZ0220.011.001	1	AB	28/12/21	M16 Extension Parts
8200.001~011.000	1	AB	28/12/21	Model 200 Rubber Gasket
8201.001~007.000	1	AB	28/12/21	Model 201 Plastic Locking Nut
8203.001~011.000	1	AA	28/12/21	Model 203 Series Locking Nut
2CZ20.031~043.000	1	AA	25/11/22	CZ0220/42-M□-M□ Plastic Reducer
8CZ0220.000.031	1	AA	28/12/21	M20-M16 Reducer
8CZ0220.000.032	1	AA	28/12/21	M25-M16 Reducer
8CZ0220.000.033	1	AA	28/12/21	M25-M20 Reducer
8CZ0220.000.034	1	AA	28/12/21	M32-M20 Reducer
8CZ0220.000.035	1	AA	28/12/21	M32-M25 Reducer
8CZ0220.000.036	1	AA	28/12/21	M40-M25 Reducer
8CZ0220.000.037	1	AA	28/12/21	M40-M32 Reducer
8CZ0220.000.038	1	AA	28/12/21	M50-M25 Reducer
8CZ0220.000.039	1	AA	28/12/21	M50-M32 Reducer
8CZ0220.000.040	1	AA	28/12/21	M50-M40 Reducer
8CZ0220.000.041	1	AA	28/12/21	M63-M25 Reducer
8CZ0220.000.042	1	AA	28/12/21	M63-M40 Reducer

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# Certificate Annexe



Certificate Number: **CSACa 22ATEX1006U**  
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Applicant: **CZ ELECTRIC Co., Ltd**

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Drawing	Sheets	Rev.	Date (Stamp)	Title
8CZ0220.000.043	1	AA	28/12/21	M63-M50 Reducer
2CZ0220.021~027.000	1	AA	25/11/22	CZ0220/32-□ Plastic stopping Plug
84023.001~003.000	1	AA	28/12/21	CZ0220/22-4023/□ Plastic stopping Plug
8CZ0223.001.000	1	AA	28/12/21	M16 Stopping Plug
8CZ0223.002.000	1	AA	28/12/21	M 20 Stopping Plug
8CZ0223.003.000	1	AA	28/12/21	M 25 Stopping Plug
8CZ0223.004.000	1	AA	28/12/21	M 32 Stopping Plug
8CZ0223.005.000	1	AA	28/12/21	M 40Stopping Plug
8CZ0223.006.000	1	AA	28/12/21	M 50 Stopping Plug
8CZ0223.007.000	1	AA	28/12/21	M 63Stopping Plug

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