

# EU-Type Examination Certificate

- [2] EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU
- [3] EU-Type Examination Certificate Number: Presafe 16 ATEX 8607X Issue 0
- [4] Product: Full Plastic Explosion-proof Plugs and Sockets CZ0253 and CZ0254 series
- [5] Manufacturer: CZ EXPLOSION-PROOF ELECTRIC APPLIANCES Co., LTD.
- [6] Address: No. 1 Qixing Rd, Qixing Town, Nanhu District, Jiaxing City, Zhejiang Province, Postal code: 314002 China
- [7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV Nemko Presafe AS, notified body number 2460, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.  
The examination and test results are recorded in confidential reports listed in section 16.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with: EN 60079-0:2012/A11:2013, EN 60079-1:2014, EN 60079-7:2015, and EN 60079-31:2014.
- [10] If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- [11] This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- [12] The marking of the product shall include the following:



II 2 G Ex code, see schedule

II 2 D Ex code, see schedule

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Bjørn Spongsveen  
For DNV Nemko Presafe AS  
Information on electronic signature [www.presafe.com](http://www.presafe.com)



Date of issue: 2016-12-21

This certificate replaces  
previous certificate  
issued by DNV.

*This certificate may only be reproduced in its entirety and without any change, schedule included.*

# EU-Type Examination Certificate

[13]

## Schedule

[14] EU-TYPE EXAMINATION CERTIFICATE No.: Presafe 16 ATEX 8607X Issue 0

[15] **Description of Product**

CZ0253 and CZ0254 series plugs and sockets compose the plug-and-socket devices. The types of protection are flameproof enclosure, increased safety and protection by enclosure. The plugs and sockets are used for connection of mobile electrical equipment or for connecting cables in potential explosive atmospheres. The internal switch module is model CZ0513 which is ATEX component certified (Presafe 16 ATEX 8122U).

### Type designation

CZ	02	5	□	□	□	□	□	□	□	
										0: Non-plug
										7: Plug code (with plug)
										0: No auxiliary
										4: With auxiliary, 1NO
										Clock position
										Poles
										Classification code:
										4: Wall type socket
										7: Plug
										Code of rated current:
										3: 63 A
										4: 125A
										Code of product type: Series of plug and socket
										Year number of design and development of product
										Abbreviation code of manufacturer name

### Ex code

**CZ0253:**

Ex db eb IIC T6 Gb ( $T_a \leq +40 \text{ }^\circ\text{C}$ ) or Ex db eb IIC T5 Gb ( $T_a \leq +55 \text{ }^\circ\text{C}$ )

Ex tb IIIC T80 °C Db ( $T_a \leq +40 \text{ }^\circ\text{C}$ ) or Ex tb IIIC T95 °C Db ( $T_a \leq +55 \text{ }^\circ\text{C}$ )

**CZ0254:**

Ex db eb IIC T5 Gb

Ex tb IIIC T95 °C Db

### Electrical data

**CZ0253:**

Rated current: 63 A

Rated voltage: 4-pole: max. 690 V a.c., 5-pole: max. 415 V a.c., 50/60 Hz.

**CZ0254:**

Rated current: 125 A

Rated voltage: 4-pole: max. 690 V a.c., 5-pole: max. 415 V a.c., 50/60 Hz.

## Degrees of protection (IP Code)

IP65

## Ambient temperature:

CZ0253:

-40 °C to +40 °C (Ex db eb IIC T6 Gb Ex tb IIIC T80 °C Db)

-40 °C to +55 °C (Ex db eb IIC T5 Gb Ex tb IIIC T95 °C Db)

CZ0254:

-40 °C to +45 °C

## Routine tests

- A dielectric strength test shall be carried out at 1830/2380 V a.c. (depending of rated voltage) for at least 1 min. according to requirements of clause 7.1 (6.1) of EN 60079-7:2015.

[16] **Report No.:** 2010-3258, Rev. 02

**Project No.:** PRJC-223153-2010-PRC-CHN

## [17] Specific Conditions of Use

- For wall type socket, before application, separate certified Ex eb IIC Gb or/and Ex tb IIIC Db IP65 cable gland or plug in accordance with EN 60079-0:2012, EN 60079-7:2015 and EN 60079-31:2014 should be incorporated.

## [18] Essential Health and Safety Requirements

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9.

## [19] Drawings and documents

Number	Title	Rev.	Date
2CZ0253.001.001 ~ 009	CZ0253 4□0□0(4)7 Full plastic explosion-proof wall type plugs and sockets	AB	2015-12-28
5CZ0253.007.004.1 ~ 4	CZ0253 740□00 Full plastic explosion-proof plugs	AB	2015-12-28
5CZ0253.007.005.0	CZ0253 7506 00 Full plastic explosion-proof plugs	AB	2015-12-28
5CZ0253.004.004.1 ~ 4	CZ0253 440□00 Full plastic explosion-proof wall type sockets	AB	2015-12-28
5CZ0253.004.004F.1 ~ 3	CZ0253 440□40 Full plastic explosion-proof wall type sockets	AB	2015-12-28
5CZ0253.004.005.0	CZ0253 4506 00 Full plastic explosion-proof wall type sockets	AB	2015-12-28
5CZ0253.004.005F.0	CZ0253 4506 40 Full plastic explosion-proof wall type sockets	AB	2015-12-28
8CZ0253.004.005.28	63A Box cover	AA	2008-08-15
8CZ0253.004.005.27	63A Box	AA	2008-08-15

Number	Title	Rev.	Date
8CZ0253.004.004.4 8CZ0253.007.004.10 8CZ0253.007.005.13	63A Plugs and sockets nameplate	AB	2015-12-28
2CZ0254.001.001 ~ 009	CZ0254 4□0□0(4)7 Full plastic explosion-proof wall type plugs and sockets	AB	2015-12-28
5CZ0254.007.004.1 ~ 4	CZ0254 740□00 Full plastic explosion-proof plugs	AB	2015-12-28
5CZ0254.007.005.0	CZ0254 7506 00 Full plastic explosion-proof plugs	AB	2015-12-28
5CZ0254.004.004.1 ~ 4	CZ0254 440□00 Full plastic explosion-proof wall type sockets	AB	2015-12-28
5CZ0254.004.004F.1 ~ 3	CZ0254 440□40 Full plastic explosion-proof wall type sockets	AB	2015-12-28
5CZ0254.004.005.0	CZ0254 4506 00 Full plastic explosion-proof wall type sockets	AB	2015-12-28
5CZ0254.004.005F.0	CZ0254 4506 40 Full plastic explosion-proof wall type sockets	AB	2015-12-28
8CZ0254.004.005.13	125A Box cover	AA	2008-08-15
8CZ0254.004.005.12	125A Box	AA	2008-08-15
8CZ0254.004.004.4 8CZ0254.004.005.14 8CZ0254.007.004.4 8CZ0254.007.005.15	125A Plugs and sockets nameplate	AB	2015-12-28

## [20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue (Replace DNV 10 ATEX 77114)	2016-12-21	2010-3258, Rev. 02

END OF CERTIFICATE