

EU-Type Examination Certificate

- [2] COMPONENT INTENDED FOR USE ON/IN AN EQUIPMENT OR PROTECTIVE SYSTEM INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 2014/34/EU
- [3] EU-Type Examination Certificate Number: Presafe 16 ATEX 9214U Issue 0
- [4] Product: Explosion-proof control module
CZ0203 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.
- [10] The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- [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 db eb IIC Gb

Bjørn Spongsveen
For DNV Nemko Presafe AS
Information on electronic signature www.presafe.com



Date of issue: 2017-03-07

This certificate replaces
previous certificate
issued by DNV.

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

[13]

Schedule

[14] EU-TYPE EXAMINATION CERTIFICATE No.:

Presafe 16 ATEX 9214U

Issue 0

[15] Description of Product

The CZ0203 explosion-proof control module is of combination of types of protection “d”, “e”. The enclosure which is made by plastic is of type of protection “d”, and the terminals for wiring are of type of protection “e”. Different electronic components can be installed inside the enclosure. Each CZ0203 can only contain one type of electronic component. The installation method of CZ0203 is divided into two types: board front and board back. The board front is used to be installed with rail, type back is used to be installed behind panel.

Type designation

CZ	02	03	-	□	□	□	/	□	□
Ambient temperature code: L: Ta ≥ - 40°C H: Ta ≥ - 55°C Number of poles: 1: 1P 2: 2P (not for code A, B) 3: 3P (only for code C) Parameter code Mounting type: 6: Board front rail type 7: Board back type Built-in components code: A: Potentiometers B: Electronic relay C: Diode D: Zener diode E: TVS F: Fuse G: Resistance Design code of product Year number of design and development of product Abbreviation code of manufacturer name									

Electrical Data

CZ0203-A□□/□□:

Rated voltage: max. 200 V d.c.

Power rating: max. 0.1 W

CZ0203-B□□/□□:

Switch voltage/current: 250 V a.c./5 A or 30 V d.c./5 A.

Coil voltage: 5 V d.c., 6 V d.c., 9 V d.c., 12V d.c., 18 V d.c., 24 V d.c.

CZ0203-C□□/□□:

Rated voltage: max. 250 V a.c./d.c.

Power rating: max. 1.5 W

CZ0203-D□□/□□:

Zener voltage: 5.1~51 V a.c./d.c.

Dissipation power: max. 5 W

CZ0203-E□□/□□:

Rated voltage: max. 250 V a.c./d.c.

Dissipation power: max. 5 W

CZ0203-F□□/□□:

Rated voltage: 250 V a.c./300 V d.c.

Rated current: 0.5~16 A

CZ0203-G□□/□□:

Rated voltage: max. 250 V a.c./d.c.

Resistance range: 0.1 Ω~33 MΩ

Power rating: max. 1 W

Degrees of protection (IP Code)

IP20

Ambient temperature range

-40°C to +60°C (for types CZ0203-□□□/□L)

-55°C to +60°C (for types CZ0203-□□□/□H)

Service temperature range

-40°C to +90°C (for types CZ0203-□□□/□L)

-55°C to +90°C (for types CZ0203-□□□/□H)

Routine tests

- A dielectric strength test shall be carried out according to requirements of clause 7.1 of EN 60079-7:2015.

[16] **Report No.:** 2012-3203, Rev.02

Project No.: PRJC-356426-2011-PRC-CHN

[17] Schedule of Limitations

- The flameproof joints are not intended to be repaired.
- The CZ0203 explosion-proof control module must be installed into a suitably certified enclosure with IP54 at least. When the switch modules are installed in an enclosure of the type of protection increased safety “e” in compliance with standard IEC/EN 60079-7, the clearance and creepage distances according to section 4.3 and 4.4 and table 2 must be fulfilled.

[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
5CZ0203.000.001	CZ0203-A6 ☐ Explosion-proof control module	AB	2015.11.05
5CZ0203.000.002	CZ0203-A7 ☐ Explosion-proof control module	AB	2015.11.05
5CZ0203.000.003	CZ0203-A7 ☐ Explosion-proof potentiometer core	AB	2015.11.05
5CZ0203.000.004	CZ0203-B6 ☐ Explosion-proof control module	AB	2015.11.05
5CZ0203.000.005.01~02	CZ0203-F6 ☐ Explosion-proof control module	AB	2015.11.05
5CZ0203.000.006.01~03	CZ0203-C6 ☐ Explosion-proof control module	AB	2015.11.05
5CZ0203.000.007.01~02	CZ0203-D6 ☐ Explosion-proof control module	AB	2015.11.05
5CZ0203.000.008.01~02	CZ0203-E6 ☐ Explosion-proof control module	AB	2015.11.05
5CZ0203.000.009.01~02	CZ0203-G6 ☐ Explosion-proof control module	AB	2015.11.05
5CZ0202.003.000	D600.009 Foot I combination of Stable contact	AA	2007.11.05
5CZ0202.004.000	D600.010 Foot II combination of Stable contact	AA	2007.11.05
8CZ0203.002.000	DW60.002 Flameproof cover	AB	2015.11.05
8CZ0203.003.000	K60.003 Adjustment rod	AA	2011.01.18
8CZ0203.005.000	DW60.005 shell	AB	2015.11.05
8CZ0203.006.000	DW60.006 protection cover(board front type)	AB	2015.11.05
8CZ0203.007.000	DW70.001 shell (board back type)	AB	2015.11.05
8CZ0203.008.000	DW70.002 protection cover(board back type)	AB	2015.11.05
8CZ0201.006.001	K600.006 Shell	AD	2015.11.05
8CZ0202.013.000	D700.003 Sealing cover	AD	2016.04.08
8CZ0203.010.000	CZ0203 Nameplate (two sheets)	AB	2015.11.05

[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue (Replaces DNV 12 ATEX 11182U)	2017-03-07	2012-3203, Rev.02

END OF CERTIFICATE