



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 17 ATEX 11327X Issue 0
- [4] Product: Explosion-proof Control Box Type CZ300
- [5] Manufacturer: Changzhou Zuoan Electronics Co., Ltd.
- [6] Address: Peace Village, Zhenglu Town, Tianning District, Changzhou, Jiangsu, P.R. 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 GL 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 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 db IIC T6 Gb
	II 2 D	Ex tb IIIC T80°C Db

Date of issue: 2018-04-16

Asle Kaastad
For DNV GL Nemko Presafe AS

The Certificate has been digitally signed.
See www.presafe.com/digital_signatures for more info



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

EU-Type Examination Certificate

[13]

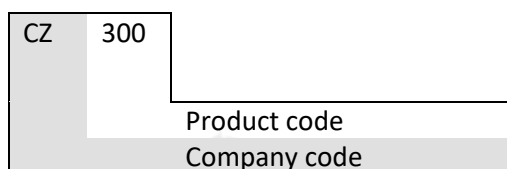
Schedule

[14] EU-TYPE EXAMINATION CERTIFICATE No.: Presafe 17 ATEX 11327X Issue 0

[15] **Description of Product**

This product is of flameproof protection type and it consists of base and cover. Power board, switch and terminals are installed inside the enclosure. The base and cover are made of stainless steel 304, 316 or 316L (alternative) with min. thickness of 5mm. There are four cable entries on the base. Joints between cover and base are protected by O rings, which satisfied Ex tb dust ignition protection requirements; ingress protection level: IP68 (1.2m/45min).

Type designation



Electrical Data

Rated voltage: 100~240 V a.c., 24 V a.c.
Rated frequency: 50/60 Hz
Operating current: ≤1.5 A

Degrees of protection (IP Code)

IP68 (1.2 m, 45 min.)

Ambient temperature:

-40 °C to +60 °C

Routine tests

- Each unit must be subjected to routine overpressure test of 2.08 MPa for at least 10 s according to clause 16 of EN 60079-1.

[16] **Report No.:** 2017-9471, Rev. 00

Project No.: PRJC-570633-2017-PRC-CHN

[17] **Specific Conditions of Use**

- Repairs of the flameproof joints must be made in compliance with the structural specifications provided by the manufacturer. Repairs must not be made on the basis of values specified in table 3 and table 4 of EN 60079-1.

- The mechanical property class of the fasteners which are relevant to the flameproof joint should be at least A2-70 with min. yield stress 450 MPa.

- Before application, separate ATEX certified Ex db IIC Gb or/and Ex tb IIIC Db IP68 cable gland or plug in accordance with EN 60079-0:2012, EN 60079-1:2014 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
CZ300.00-00	General assembly	1	2016-08-26
CZ300.00-DY	Schematic diagram	1	2016-08-12
CZ300.00-JX	Wiring diagram	1	2016-08-12
CZ300.01-00	Box cover	1	2016-08-26
CZ300.01-02	Cover board	1	2016-08-26
CZ300.02-00	Box base	1	2016-08-26
CZ300.02-01	Cylinder	1	2016-08-26
CZ300.02-02	Cable entry	1	2016-08-26
CZ300.00-20	Grounding mark	1	2016-08-26
CZ300.05-01	Nameplate	1	2016-08-26

[20] Certificate History

Issue	Description	Issue date	Report no.
0	Original issue	2018-04-16	2017-9471, Rev. 00

END OF CERTIFICATE