



[1]

EU-TYPE EXAMINATION CERTIFICATE

[2] **Equipment intended for use in potentially explosive atmospheres Directive 2014/34/EU – Annex III**

[3] Certificate Number: **EPT 16 ATEX 2510 X** **issue 2**

[4] Equipment: **Explosion-proof Emergency Box**
BXP01

[5] Manufacturer: **Zhejiang Tormin Electrical Co., Ltd.**

[6] Address: **No.2, GangTeng Road, YongXing Subdistrict, LongWan District, WenZhou City, ZheJiang Province, P.R.China**

[7] This equipment and its accepted variations are specified in the annex to this Certificate.

[8] Eurofins Product Testing Italy S.r.l., Notified Body n. 0477 in accordance with Article 21 of the Directive 2014/34/EU of the European Parliament and of the Council of 26th February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II of the Directive. The examination and test results are recorded in the confidential Report N° EPT.23.REL.04/2313056

[9] Compliance with the essential health and safety requirements is assured through the verification of them and by compliance with the following harmonized standards:

EN IEC 60079-0:2018, EN 60079-1:2014, EN 60079-31:2014

[10] If the sign "X" is placed after the Certificate number, it indicates that the equipment is subject to the special conditions for safe use specified in the annex to this Certificate.

[11] This EU-TYPE EXAMINATION CERTIFICATE relates only to the design, the exam and the tests of the specified equipment.
Further requirements of the Directive 2014/34/EU apply to the manufacture and supply of this equipment. These requirements are not object of this Certificate.

[12] The equipment shall include the sign  and one of the following strings:

II 2 GD

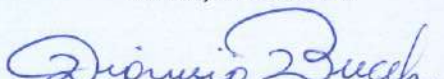
Ex db IIC T6 Gb

Ex tb IIIC T80°C Db

-25 °C ≤ Ta ≤ +55 °C

Place and date of issue:
(DD-MM-YYYY)

Torino, 27-07-2023


Dionisio Bucchieri
Directive Responsible


Paolo Trisoglio
Managing Director



PRD N° 119B
Signatory of EA, IAF and ILAC Mutual Recognition Agreements
CP-ATEX-MOD-26-00

This Certificate has 4 pages and it is reproducible only in its entirety. Conditions of validity are reported below.



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ANNEX

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[15] Equipment description

BXP01 series Explosion-proof emergency box can be used in environment with presence of explosive gas belonging to group IIC and dust belonging to group IIIC.

The emergency box is manufactured according flameproof and dust-tight protection types. O-rings in each joint surface make it applicable in dust atmospheres. The flameproof enclosure consists of enclosure and upper cover, both of which are made of aluminum alloy.

In order to wire the equipment with external devices the equipment includes certified cable glands, when one or more holes are not used these have to be properly sealed.

The emergency box can be supplied complete with cable glands and/or plugs as part of the equipment. Alternatively, third-parties certified cable glands or plugs can be used and these have to comply with type of protection Ex db IIC Gb/ Ex tb IIIC Db.

An inverter power supply consisting of an emergency drive circuit board and a battery pack is provided inside the Ex db enclosure. The battery pack includes batteries and protection circuit battery back. The batteries are equipped with four CMICR18650F8 (2600mAh, Nominal voltage: 3.7V) cells connected in series and each cell is connected to a shunt diode to prevent reverse charging.

Degrees of protection provided by enclosure, according to EN 60529 and EN 60079-0 is IP66.

The equipment is designed for an operating temperature range of: -25°C to +55°C.

Warning label

WARNING - POTENTIAL ELECTROSTATIC CHARGING HAZARD – SEE INSTRUCTIONS

WARNING - DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT.

Electrical characteristics

Input voltage: 90~264V AC,

Input frequency: 50/60Hz,

Rate power: ≤ 40W

Routine tests

The routine overpressure test according to Cl.16.1 of EN 60079-1 must be performed for each equipment considering the minimum test pressure 14.2 bar.



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**EU-TYPE EXAMINATION CERTIFICATE
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This EU-Type Examination Certificate is released after the positive result of the conformity assessment of the Council Directive 2014/34/EU and to harmonized technical standards listed in this certificate performed by the Notified Body Eurofins Product Testing Italy S.r.l., and reported in the Assessment Report above cited.

[17] Special condition for a safe use

- The flameproof joints are not intended to be repaired.

[18] Essential Health and Safety Requirements

Assured by compliance with harmonized standards.

[19] Descriptive documents

The equipment object of this Certificate is described by the scheduled documents included in the Assessment Report n° EPT.23.REL.04/2313056; these documents cannot be modified without the explicit authorization of the Notified Body.

[20] Terms and conditions

The product liability rests with the Manufacturer, his representative or, in the absence of a representative, with the importer, in accordance with the General Product Safety Directive 2001/95/EC.

The following conditions may render this certificate invalid:

- changes in the design or construction of the product;
- changes or amendments to the Directive;
- changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the 2014/34/EU Directive.



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[21] History

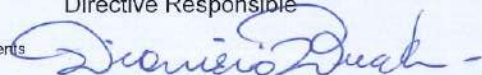
Issue	Description	Date
0	First Emission.	23-09-2016
1	Second emission to correct typing errors.	29-09-2016
2	- The manufacturer's address has changed and the relevant documents have been updated accordingly. - The assessment was handled by considering the most recent standard edition.	27-07-2023



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End of Certificate