

[1]

EU-TYPE EXAMINATION CERTIFICATE



[2]

**Component intended for use in potentially explosive atmospheres
Directive 2014/34/EU ANNEX III**

[3] Certificate Number: **EPT 20 ATEX 4074 U** issue 0

[4] Component: Explosion proof junction boxes

Series: EJBC

[5] Manufacturer: **CORTEM S.P.A.**

[6] Address: Via Aquileia, 10 – 34070 Villesse (Go) - Italy

[7] This component 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 component 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.20.REL.01/2013056.

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

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

[10] The symbol "U" placed after the certificate's number indicates that this certificate must not be understood as a certificate for equipment or protective systems. This certificate may be used as a basis for a certificate for the equipment or protective system.

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

[12] The component shall include the sign  and at least one of the following string:

II 2G Ex db IIC Gb

II 2D Ex tb IIIC Db IP66/67

I M2 Ex db I Mb

Place and date of issue:

Torino, 2020-11-30


Dionisio Buccheri
Directive Responsible


Paolo Trisoglio
Managing Director


eurofins
Notified Body N. 0477



PRD N° 119B
Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
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This Certificate has 4 pages and it is reproducible only in its entirety. Conditions of validity are reported below.

[13]

ANNEX

[14]

EU-TYPE EXAMINATION CERTIFICATE N. EPT 20 ATEX 4074 U issue 0



[15] **Component description**

The empty boxes series EJBC are composed of a body and a cover fixed on it by means of screws. Between body and cover there is a gasket for dust ingress protection (degree IP66/67). On the body's wall and on the cover there are variable NPT or ISO threaded holes for cable glands, stopping boxes, and other interface components for control and signalling. All boxes are provided with blind holes for their mounting.

The boxes can be also provided with glass windows.

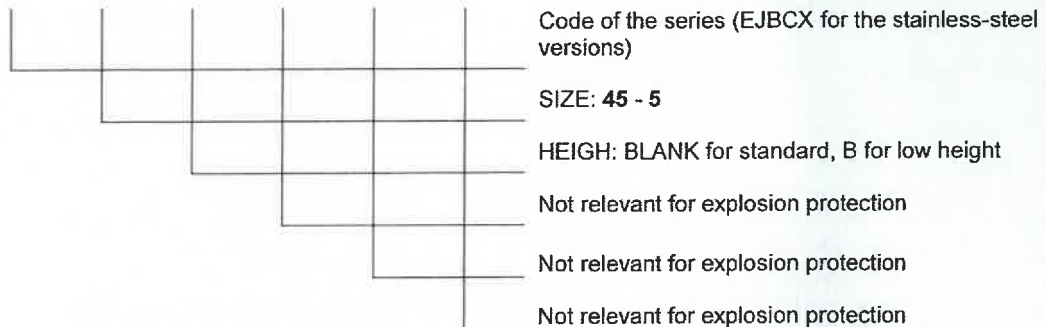
The EJBC series are manufactured in copper free aluminium alloys EN AB 43000 or EN AB 44100 or EN AB 42000 according to UNI EN 1676. The EJBCX series are manufactured in stainless steel AISI 303, AISI 304, AISI 316, AISI 316L.

Warning label

"Empty enclosure with component certificate"
 "Use screws of quality A2-70 with tensile strength of at least 700 N/mm²."
 For equipment without standard painting: "Potential electrostatic charging hazard"

Type Code:

EJBC-



Routine tests

Overpressure tests at 19,1bar (for minimum T amb -60°C) or at 17,1 bar (for minimum T amb - 40°C), according to § 15.2.3.2 of EN/IEC 60079-1 standard, must be carried out on each enclosure.



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Page 2 of 4
 2020-11-30

[13]

ANNEX

[14]

EU-TYPE EXAMINATION CERTIFICATE N. EPT 20 ATEX 4074 U issue 0

[16] **Assessment Report n° EPT .20.REL.01/2013056.**

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] **Schedule of limitation**

The flameproof joints of the enclosures are not intended to be repaired.

The pressure in case of internal explosion doesn't exceed 12,7 bar.

The accessories used for cable entries and for closing unused openings shall be certified according to EN IEC 60079-0, EN 60079-1 and EN 60079-31. A minimum degree of protection IP66/IP67 shall be guaranteed according to EN 60529 standard.

Minimum ambient temperature:

-40°C for all versions of empty enclosures with or without glass windows;

-60°C for all versions of empty enclosures without glass windows;

Maximum service temperature of the empty enclosures:

+100 °C for all versions of empty enclosures with or without glass windows;

+150 °C for empty enclosures of group II and III, without glass windows.

According to EN 60079-1 annex D, the content of the Ex component enclosure equipment may be placed in any arrangement, provided that:

for group I an area of at least 20% of each cross-sectional area remains free;

for group IIC an area of at least 40% of each cross-sectional area remains free.

[18] **Essential Health and Safety Requirements**

Assured by compliance with harmonized standards.



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Dionisio Bucchieri
Directive Responsible



Page 3 of 4
2020-11-30

[13]

ANNEX

[14]

EU-TYPE EXAMINATION CERTIFICATE N. EPT 20 ATEX 4074 U issue 0



[19] Descriptive documents

The equipment object of this Certificate are described by the following documents that are scheduled documents and therefore they cannot be modified without the explicit authorization of the Notified Body.

Title	Drawing No.	Rev.	Date
Technical note	"TECHNICAL NOTE A4-7539"	00	2020-06-08
Safety instructions	"F-472 R0: enclosures series EJBC.. safety, maintenance and mounting instruction"	00	2020-06-08
Dimensional drawing	Drawing code "A1-7538".	00	2020-06-08

[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.

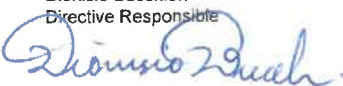
[21] History

This certificate is at its first issue.



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Page 4 of 4
2020-11-30

End of Certificate