



# IECEx Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.:

IECEx CES 12.0019

Issue No.: 0

Certificate history:

Status:

Current

Date of Issue:

2012-12-01

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Applicant:

**CORTEM S.p.A.**  
Via Aquileia 10  
I - 34070 Villesse (GO)  
Italy

Electrical Apparatus:  
Optional accessory:

Control panels series EJB... and EJBXE...

Type of Protection:

Flameproof enclosures 'd'; Increased safety 'e'; Dust ignition protection 't'

Marking:

Ex de IIB+H2 T6 or T5 Gb  
Ex tb IIIC T85°C or T100°C Db  
IP66

Approved for issue on behalf of the IECEx  
Certification Body:

Mirko Balaz

Position:

Head of IECEx CB

Signature:  
(for printed version)

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:

**CESI**  
Centro Elettrotecnico  
Sperimentale Italiano S.p.A.  
Via Rubattino 54  
20134 Milano  
Italy

**CESI**



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Manufacturer: **CORTEM S.p.A.**  
Via Aquileia 10  
I - 34070 Villesse (GO)  
Italy

Additional Manufacturing location  
(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

## STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2011</b> Edition: 6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition: 6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-31 : 2008</b> Edition: 1	Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t"
<b>IEC 60079-7 : 2006-07</b> Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

## TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

### Test Report:

IT/CES/ExTR12.0016/00

### Quality Assessment Report:

IT/CES/QAR06.0002/06



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The control panels series EJBE-.. and EJBXE-... are command, control and signalling units realized in execution Ex de. They are systems composed by an Ex d flameproof enclosure used to install common electrical devices such as contactors, switches, measuring instruments, programmable logic controllers etc. and an Ex e increased safety enclosure used as terminal compartment for the incoming and outgoing cables. The incoming and outgoing cables arrive in the Ex e enclosure via cable glands. The command, control and signalling units in execution Ex de series EJBE-.. is composed by the Ex d enclosure EJB made in cast aluminium alloy and the Ex e enclosure made in stainless steel sheet. The command, control and signalling units in execution Ex de series EJBXE-.. is composed by the Ex d enclosure EJBX made in stainless steel blended and welded and the Ex e enclosure made in stainless steel sheet. On the common face between the Ex d enclosure and the Ex e enclosure a plane gasket makes the IP protection level. Inside the enclosures on the common face the connections are made by means of sealed bushings or conductor bushings type TP. In the Ex d enclosure can be mounted inspection glass windows (sealed with silicon resin) for the visualization of indicators or displays.

See annex for further description.

### CONDITIONS OF CERTIFICATION: NO

Annexe: Cortem IECEx CES 12\_0019 ANNEX\_EJBE-EJBEX.pdf