



(1) EC TYPE EXAMINATION CERTIFICATE

(2) **Component intended for use on/in equipment or protective system  
intended for use in potentially explosive atmospheres  
Directive 94/9/EC**

(3) EC type examination certificate number: **ISSeP02ATEX034U**

(4) Component: Flameproof empty housing

(5) Applicant – Manufacturer:  
JCE (Europe) Ltd

(6) Address: East Way, Lee Mill Industrial Estate  
Ivybridge, Devon PL21 9LL  
England

(7) This component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

(8) ISSeP, notified body n° 492 in accordance with article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of components intended for use in potentially explosive atmospheres given in annex II to the Directive.

The examination and test results are recorded in confidential report n° 01077.

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
EN 50014:1977 + A1 et A2 : 1999                      EN 50018 : 2000

(10) The symbol "U" placed after the certificate number 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.

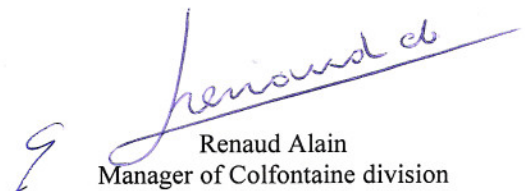
(11) This EC TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified component in accordance to the Directive 94/9/EC. Further requirements of this Directive may apply to the manufacturing process and supply of this component. These are not covered by this certificate.

(12) The marking of the component shall include the following indications:

 II 2 G              EEx d IIB

Colfontaine, the 17.07.2002.

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PUBLIC  
Rue Grande, 60 - B7340 Colfontaine  
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Renaud Alain  
Manager of Colfontaine division

- (13) **SCHEDULE**
- (14) **EC TYPE EXAMINATION CERTIFICATE N<sup>R</sup> ISSeP02ATEX034U**
- (15) Description of the component:  
This component consists of an aluminium alloy flameproof housing.  
Optionally the cover may be provided with a tempered glass window mounted into a frame.  
This component bears the type designation : EJB 60 or EJBW 60
- Routine test  
The manufacturer shall make the routine verifications and tests necessary to ensure that the component produced complies with the specification submitted to the testing station together with the prototype.  
Furthermore each enclosure shall be submitted to a routine pressure test performed under the value of 11.8 bar minimum maintained during at least 10 seconds (max. 60 seconds)
- (16) Report n<sup>r</sup> 01077 dated 11.07.2002 composed in total of 19 pages.  
The notes related to the cementing materials (11 pages) and the sealing gaskets (2 pages)  
The drawings A3C-2933 of 7.02.2001 Rev. 4 of 27.06.2002 (6 sheets)
- (17) Special conditions for safe use:
- The temperature of the cementing joint of the window shall not exceed 100°C
  - The fastening screws of the housing shall have a yield stress of at least 310 N/mm<sup>2</sup>.
  - The schedule of limitations laid down in D.2.2. of EN 50018 : 2000 shall be fulfilled when using this component certificate to obtain a certificate for a complete apparatus.
- (18) Essential Health and Safety Requirements: none

## VARIATION

### EC TYPE EXAMINATION CERTIFICATE N° ISSeP02ATEX034U/1

(14) Component: Flameproof housing  
Type EJB 60

(15) Subject to the variation :

The type EJB 60 housings (version without window) may be used in the ambient temperatures range  
 $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}$

The gap of the flanged joint can't exceed 0.1mm.

Marking: Unchanged

Eventual prescriptions:

Ambient temperature range:  $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +40^{\circ}\text{C}$

(16) Report n° 04129 of 19.11.2004 (9 pages)

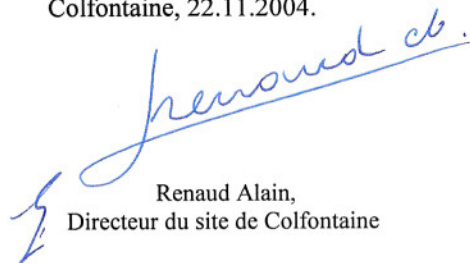
The drawing

A3C-2960 of 4.08.2004

(17) Special conditions for safe use: Unchanged

(18) Essential Health and Safety Requirements : covered by the standards listed at point 9 of the initial certificate and by the descriptive documents from the manufacturer.

Colfontaine, 22.11.2004.



Renaud Alain,  
Directeur du site de Colfontaine

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This document may not be used without the original certificate