



Institut Scientifique de Service Public



(1) **EC TYPE EXAMINATION CERTIFICATE**

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

(3) EC type examination certificate number: **ISSeP03ATEX012X**

(4) Equipment : Control and instrument housing – series EMH29***

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

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

(7) This equipment or protective system 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 equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems 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° 02105

(9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014:1997 + A1 and A2 : 1999 EN 50281-1-1 : 1998 EN 50018: 2000 and pr AA EN50018

(10) If the symbol "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate

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


(12) The marking of the equipment or protective system shall include the following indications:

 II 2 G D EEx d IIC T6 (85°C)
IP66

Colfontaine, the 21.02.2003

INSTITUT SCIENTIFIQUE DE SERVICE PUBLIC

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Renaud Alain
Manager of Colfontaine division

(13)

SCHEDULE

(14)

EC TYPE EXAMINATION CERTIFICATE N^R ISSeP03ATEX012X

(15) Description of the equipment or protective system:

Cylindrical control and instrument housing composed of a body and a screw-lid.

This apparatus consists of an aluminium alloy flameproof enclosure, this one may be provided with a window fitted in the cover. A variation of the housing made of stainless steel is allowed.

This housing contains the equipments listed in the drawings A3C-2943 and A3C-2940.

The type designation of this apparatus is: EMH29 for the version made of aluminium

EMH29SS for the version made of steel

EMH29E For the version made of aluminium with body extension

EMH29ESS for the version made of steel with body extension

Electrical characteristics

Voltage: max. 1 kV

Current: max. 600 A

Maximum power dissipated inside the box and temperature classes

30 W - T6

Eventual prescriptions

The temperature class T6 is guaranteed on condition that internal heat producing components doesn't achieve temperatures greater than 80°C at an ambient of 40°C.

The connection shall be made through one or two cable entries of a certified EExd IIC model to be screwed with at least 5 threads engaged on a length of engaged threads of 8mm at least.

Routine tests

The manufacturer shall perform the routine verifications and tests necessary to ensure that the apparatus complies with the specification submitted to the testing station with the prototype.

Marking

- The name of the manufacturer or his registered trade mark.
- The manufacturer's type identification.
- The code: EEx d IIC T6.
- The serial number.
- The indication of the testing station, followed by the certification number.
- The additional marking.

“Do not open while energised”

“After de-energisation wait 15 minutes before opening the enclosure “

“Use conductors suitable for a temperature of 80°C at least”

“Do not open when an explosive gas atmosphere may be present “ when using batteries or cells, in place of time delay label.

(16) Report n^r 02105 dated 21.02.2003 composed of 19 pages in total.

The instruction note from the manufacturer “ Installation and maintenance Information” (2 sheets).

The drawings

A3C-2939 issue 5 of 17.12.2002 (3 sheets)

A3C-2940 issue 6 of 20.02.2003 (1 sheet)

A3C-2943 issue 2 of 19.09.2002 (1 sheet)

(17) Special conditions for safe use: Sign X.

The quartz window may not be submitted to impacts of which the energy exceeds 2 Joules.

(18) Essential Health and Safety Requirements: covered by the standards listed at (9), by the document pr AA EN 50018 and the indications of the manufacturer in the descriptive documents.