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- (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: **ISSeP05ATEX071 U**
- (4) Component: Reducers / Adaptors
Range FRU**/**/**
- (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° 05125
- (9) Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
IEC –EN 60079-0: 2004 IEC 60079-1: 2003
- (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 IIC

Colfontaine, the 25.11.2005

*INSTITUT SCIENTIFIQUE DE SERVICE
PUBLIC*

Zoning A. Schweitzer, rue de la Platinerie
B-7340 COLFONTAINE (Wasmes)
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Lambert Marcel,
Manager.

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(13)

SCHEDULE

(14)

EC TYPE EXAMINATION CERTIFICATE N^R ISSeP05ATEX071 U

(15)

Description of the component:

Range of brass or stainless steel reducer / adaptor.

A separately certified bushing is screwed inside one end of the adaptor; optionally the opposite end may be filled up with epoxy resin.

This range of reducer / adaptor bears the type designation: FRU**/**/**

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.

These reducers / adaptors are exempted from the overpressure routine test with the exception of those provided with the type Ex+M bushing if the pressure of the enclosure exceeds 20 bar as indicated in the certificate PTB 02 ATEX 1061 U.

(16)

Report n^o 05125 dated 24.11.2005 composed in total of 13 pages.

The note related to the cementing material (2 pages)

The drawing A3C-2964 issue 4 of 23.11.2005

The certificates related to the bushing

PTB 96 ATEX 1078 X

PTB 97 ATEX 1047 U

PTB 99 ATEX 1090 U

PTB 02 ATEX 1061 U

(17)

Special conditions for safe use:

- The max temperature at the location of the certified bushing shall not exceed the values mentioned in the relevant certificates
- The certified bushing shall be adequately fixed in the adaptor
- The maximum current through the wires of the bushing shall not exceed the values mentioned in the relevant certificates of the bushings.
- The wires of the bushing shall be connected in enclosures complying with the kind of protection listed in the standard IEC 60079-0
- The special conditions for a safe use of the optical fibres bushings mentioned in the relevant certificates, shall be fulfilled.

(18)

Essential Health and Safety Requirements: covered by the standards listed at 9

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