



Institut Scientifique de Service Public

Division de Colfontaine

Rue Grande, 60 - B-7340 PÂTURAGES

Tél.: ++ 32 (0)65/~~67 23 43~~ Nouv. N° : 61 08 11

Fax : ++ 32 (0)65/~~66 99 53~~ Nouv. N° : 61 08 08

**ORIGINAL : FRENCH**

(1) **CERTIFICATE OF COMPONENT Ex**

(2) **ISSeP 96D.108.035 U**

(3) This certificate is issued for the Component Ex :  
Encapsulated Ignition Coil types SA28, SA74 and SA82.

(4) Manufactured by : **IGNITERS COMBUSTION ENGINEERING Ltd**  
**Unit 6 Prospect Drive,**  
**Enterprise Industrial Estate,**  
**Lichfield, Staffordshire**  
**WS 14 9 UX ENGLAND**

and submitted for certification by :

**IGNITERS COMBUSTION ENGINEERING Ltd**  
**Unit 6 Prospect Drive,**  
**Enterprise Industrial Estate,**  
**Lichfield, Staffordshire**  
**WS 14 9 UX ENGLAND**

(5) This component Ex, and any acceptable variations thereto, are specified in the schedule to this certificate and in the documents therein referred to.

CODE : EEx m II

Sheet 1/4

This document can only be reproduced in its wholeness.

CERTIFICATE ISSeP 96D.108.035 U of 27.02.1996

(6) ISSeP being an Approved Certification Body in accordance with Article 14 of the Council Directive 76/117/EEC of 18-12-1975

- confirms that the Component Ex has been found to comply with the Harmonised Standards :

EN 50014 (1977) + amendments 1 to 5 (NBN C23-001, 1st ed. of 1979  
+ add. 1 to 4)  
EN 50028 (1987) (NBN C23-108, 1st ed. of 1988)

and has successfully met the examination and tests requirements prescribed by these Standards

- confirms to have established a confidential Test Report of these examination and tests.

(7) The marking of the component Ex shall include the code :

EEx m II

(8) By the marking of the component Ex, the supplier ensures, on his own responsibility, that this component conforms to the descriptive documents laid down in the schedule, and has satisfied routine verifications and tests specified in the European Harmonised Standards mentioned in (6) and indicated in the Schedule.

(9) The letter U placed after the number of the certificate means that it shall not be interpreted as a certificate of conformity nor a controle certificate delivered for a whole apparatus. This partial certification may be used as a base for issuing a certificate for a whole apparatus.

(10) This Ex component shall not bear the distinctive Community mark specified in annex II to Commission Directive 84/47/EEC of 16-01-1984.

COLFONTAINE, 27.02.1996

Le Directeur du siège de Colfontaine,



O. LEMIERE.



A. RENAUD.

CODE : EEx m II

Sheet 2/4

This document can only be reproduced in its wholeness.

---

**SCHEDULE****1. IDENTIFICATION AND DESCRIPTION OF THE APPARATUS**

Encapsulated Ignition Coil types SA28, SA74 and SA82.

The 3 types of the coil are composed mainly by a voltage step up transformer potted in a steel tube.

On one side of this tube, there is an integral cable passing through the enclosure by a cable gland; on the other side, there is the high voltage electrode.

This electrode is not included in this certificate and can appear under several forms.

Several types of certified cable glands and cables can be used.

**2. DESCRIPTIVE DOCUMENTS**

- The test report ISSeP 96D.m.035U (21 sheets).
- The declaration by the manufacturer of 23.11.95.
- "Description of the apparatus" (2 sheets).
- "Encapsulated Ignition Coils".
- "Encapsulated Coil Applications".
- The drawings :
  - A2/1G/8460A of 05.02.96
  - A2/1G/8461A of 05.02.96
  - A2/1G/8462A of 05.02.96
  - A4/1G/8463 of 21.11.95
  - A4/1G/8464 of 21.11.95
  - A4/1G/8465 of 21.11.95
  - A4/1G/8466 of 21.11.95
  - A4/1G/8467 of 21.11.95
  - A4/1G/8468 of 21.11.95
  - A4/1G/8476 of 21.11.95
  - A4/1G/7481C of 01.03.94
  - A1/1G/7482H of 21.11.95
- Datasheet of the compound CW1304/HY1308 from CIBA-GEIGY (4 sheets).
- Letter from the label manufacturer of 05.02.96.

**3. MARKING** - shall be readable, visible and durable  
- shall contain the following informations

- Name of the manufacturer or its commercial trade mark.
- Designation of the type given by the manufacturer.
- Code : EEx m II.
- ISSeP 96D.108.035U.
- Marking normally required by the Standards of construction of the electrical apparatus.

**4. ROUTINE VERIFICATIONS AND TESTS**

- The manufacturer shall make the routine verifications and tests necessary to ensure that the electrical apparatus produced complies with the specification submitted to the testing station together with the prototype or sample (EN 50014 - clause 23).
- Each produced apparatus shall be submitted to the routine tests described at the clause 7 of EN 50028.

**5. SPECIAL PRESCRIPTIONS**

- The supply of the apparatus shall be made with a control apparatus of the type of the CU6 (see drawing n° A1/1G/7482H) or equivalent. It shall be situated either in a non hazardous area or in an enclosure assuring a normalised protection mode.
- Ambient temperature range : -20°C to +80°C.