



1 **EC TYPE-EXAMINATION CERTIFICATE**

2 Equipment intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Certificate Number: Sira 00ATEX1096

4 Equipment: UN-D Series and UF-D Series Unions

5 Applicant: Redapt Limited

6 Address: Units 46 & 47  
Darlaston Central Trading Estate  
Salisbury Street  
Darlaston  
WS10 8XB

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

8 Sira Certification Service, notified body number 0518 in accordance with Article 9 of Directive 94/9/EC of 23 March 1994, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report number R51X5208B.


9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:

EN 50014:1997 (amendments 1 & 2)  
prA1 EN 50018:1999  
EN 50281-1-1:1998

10 If the sign '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 and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.

12 The marking of the equipment shall include the following:

 II 2 GD  
EEx d IIC

Re-issued 1 November 2000

To replace report number R51X5208A with R51X5208B.

Project Number 53V7330  
Date 2 August 2000  
Re-issued 1 November 2000  
C. Index 07

M D Shearman  
Certification Manager

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**Sira Certification Service**

Rake Lane, Eccleston, Chester, CH4 9JN, England  
Tel: +44 (0) 1244 670900 Fax: +44 (0) 1244 681330  
Email: exhazard@siratc.co.uk



**SCHEDULE**

**EC TYPE-EXAMINATION CERTIFICATE**

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13 **DESCRIPTION OF EQUIPMENT**

**Male to Female Union**

The UN-D Series range of 'Ex d' Unions each comprise a hexagonal body, an internally threaded cone and an externally threaded nut. The devices are designed for the connection of male and female threads when a conventional adaptor is impractical. Additionally, they may be used to convert an existing cable entry aperture to a different threadform and/or size. Threadforms are between M20 and M75.

**Female to Female Unions**

The UF-D Series range of 'Ex d' Unions each comprise a hexagonal body, an internally threaded cone and an internally threaded nut. The devices are designed for the connection of male threads when a conventional adaptor is impractical. Additionally, they may be used to convert an existing cable entry aperture to a different threadform and/or size. Threadforms are between M20 and M75.

**Design Options:**

**Female Threadforms Options:**

ISO Metric (to BS3463)

**Male Threadforms Options:**

ISO Metric (to BS3463)

PG to DIN40430

NPT (ANSI/ASME B1.20.1)

NPS (ANSI/ASME B1.20.1)

ISO Pipe Thread (BS21) BSPP/BSPT

Imperial conduit ET BS31

BSP to BS21

Any threadform conforming to Table 3 of BS EN 50018.

**Material Options:**

Brass BS EN 12163, BS EN 12164, BS EN 12167 (CZ121)

Mild Steel to BS970 (EN1A, EN3B)

Stainless Steel to BS970 (316)

Aluminium HE30 (BS754 Parts 1,2,3 & 6/BS755 1,2,3 & 6)

**Plating Options:**

Metallic variants may be suitably plated to the appropriate British, European or ISO recognised standards.

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14 **DESCRIPTIVE DOCUMENTS**

Drawing No.	Rev.	Sheet	Date	Title
80-A-4A	2	1 of 1	Jun 00	MALE x FEMALE EExd IIc UNIONS
80-A-4B	2	1 of 1	Jun 00	FEMALE x FEMALE EExd IIc UNIONS
ATEX-01-PDM	1	1 of 1	22 Jun 00	MARKING ARRANGEMENTS FOR ATEX PRODUCTS

14.2 Report No. R51X5208B

15 **SPECIAL CONDITIONS FOR SAFE USE** (denoted by X after the certificate number)

None

16 **ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II** (EHSR'S)

The relevant EHSRs that are not addressed by the standards listed in this certificate have been identified and individually assessed in Report No. R51X5208B.

17 **CONDITIONS OF CERTIFICATION**

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of SCS Certificates.

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