



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: Sira 99ATEX1196U

4 Component: 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 component 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 component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of component 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)
EN 50018:1994
EN 50281-1-1:1998

10 The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subjected to further assessment when incorporated into equipment. Any special conditions for safe use are listed in the schedule to this certificate.

11 This EC type-examination certificate relates only to the design and construction of the specified component. If applicable, further requirements of this Directive apply to the manufacture and supply of this component.

12 The marking of the component 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

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

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13 **DESCRIPTION OF COMPONENT**

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

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**

14.1	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**

None

16 **ESSENTIAL HEALTH AND SAFETY REQUIREMENTS OF ANNEX II (EHSRs)**

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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