



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: Sira 99ATEX1115U

4 Component: AD-U Series Adaptors and RD-U Series Reducers

5 Applicant: Redapt Ltd

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 50019:1994
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:



I M2
EEx de I

and/or



II 2 GD
EEx de IIC

Re-issued 1 November 2000
To replace report number R51X5208A with R51X5208B.

M D Shearman
Certification Manager

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

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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

Sira 99ATEX1115U

13 **DESCRIPTION OF COMPONENT**

The AD-U and RD-U Series are ranges of hexagonal bodied metallic 'Ex d'e adaptors or reducers. Each comprises a hollow body with an external male thread and an internal female thread. The devices are used to convert an existing cable entry aperture to a different thread form and/or size. The body may optionally be fitted with an 'O' ring seal. Thread combinations are such that minimum wall thickness should be maintained.

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 2874 (CZ121)
- Mild Steel to BS970 (EN1A)
- Stainless Steel to BS970 (316)
- Aluminium HE30 (BS754 Parts 1,2,3 & 6/BS755 1,2,3 & 6) – (Not for Group 1 applications)

Plating Options:

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

14 **DESCRIPTIVE DOCUMENTS**

Drawing No.	Rev.	Sheet	Date	Title
88-B-1E97	2	1 of 1	Jun 00	EExdeI/IIc ADAPTORS
88-B-2E97	2	1 of 1	Jun 00	EExdeI/IIc REDUCERS
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

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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.

17.2 The aluminium devices shall not be marked with any information that indicates that they are suitable for group I use.

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EC TYPE-EXAMINATION CERTIFICATE VARIATION

CERTIFICATE NUMBER Sira 99ATEX1115U Dated 2 August 2000

VARIATION NUMBER 1 (ONE) Dated 7 December 2000

VARIATION TO COMPONENT

To permit:

- 1 The re-design of the profile and the re-positioning of the marking onto the face of the devices

DESCRIPTIVE DOCUMENTS

Number	Sheet	Rev	Date	Description
88-C-1E00	1 of 1	1	05 Oct 00	EExde I & IIC Certified Adaptors
88-C-2E00	1 of 1	1	05 Oct 00	EExde I & IIC Certified Reducers

ADDITIONAL CONDITIONS OF CERTIFICATION

None

M D Shearman
Certification Manager

File No 53V7400

Report No. NA

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