



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: Sira 00ATEX1094

4 Equipment: AD-U Series Adaptors, RD-U Series Reducers and PD-U Series Stopping Plugs

5 Applicant: Redapt Ltd

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 50019:1994
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:



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.

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
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SCHEDULE

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13 **DESCRIPTION OF EQUIPMENT**

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.

The PD-U Series is a range of 'Ex de' threaded stopping plugs each comprising a threaded body with a hexagonal socket for tightening. The devices are used to close unused apertures in associated component.

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 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 I applications)

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
	88-B-1E97	2	1 of 1	Jun 00	EExdeI/IIc ADAPTORS
	88-B-2E97	2	1 of 1	Jun 00	EExdeI/IIc REDUCERS
	88-B-3E97	2	1 of 1	Jun 00	EExdeI/IIc DOME HEAD STOPPING PLUGS
	ATEX-01-PDM	1	1 of 1	Apr 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.

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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