



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 10ATEX3335U** Issue: **0**

4 Component: **Type AB & AJ Adapters  
Type BB & BJ Reducers  
Types CK & CQ Stopping Plugs**

5 Applicant: **Raxton Limited**

6 Address: **Kingsway South  
Westgate  
Aldridge WS9 8FS  
UK**

7 This component and any acceptable variation thereto are 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 a component intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 14.2.

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 60079-0:2009

EN 60079-7:2007

EN 60079-31:2009

10 The sign 'U' is placed after the certificate number to indicate that the product assessed is a component and may be subject 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 G D  
Ex e IIC Gb  
Ex t IIIC Db**

Project Number 23297

  
C Ellaby  
Certification Officer

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## SCHEDULE

### EC TYPE-EXAMINATION CERTIFICATE

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#### 13 DESCRIPTION OF COMPONENT

**Types AB & AJ Adaptors and Types BB & BJ Reducers:** these devices are designed to convert an existing cable entry aperture in the associated apparatus to a different threadform and/or size. Each device comprises a hollow body with a male thread at one end and a female thread at the other. The AB is a hexagon type adaptor and AJ is a round diameter Type adaptor. The BB is a hexagon type reducer and BJ is a round diameter type reducer. Thread adaptors can have thread sizes between M20 and M75 and thread reducers between M25 and M75.

**Types CK & CQ Stopping Plugs:** these are a range of threaded stopping plugs that are used to fill unused entries in the associated apparatus. The CK has a hexagon head key way and the CQ has a 'mushroom' head, the plugs can have thread sizes between M20 and M75.

Material options:

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- Type Durethan BKV 30 N1 Glass Filled Nylon 6
- Type Durethan BKV 140 Glass Filled Nylon 6

Entry thread options:

- Metric to BS 3643:1981
- ET Conduit to BS 31:1940
- PG to DIN 40430:1971
- BSP to BS 21:1985
- NPT to ANSI/ASME B1.20.1-1983

#### 14 DESCRIPTIVE DOCUMENTS

##### 14.1 Drawings

Refer to Certificate Annexe.

##### 14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	12 January 2011	R23297A/00	The release of the prime certificate.

#### 15 SPECIAL CONDITIONS FOR SAFE USE

- 15.1 All entry devices shall only be installed where there is a low risk from mechanical impact.
- 15.2 The stopping plugs shall not be used with any form of adaptors or reducers.
- 15.3 Only one adaptor or reducer is to be used with any single cable entry on the associated equipment.
- 15.4 The interfaces between these devices and the associated enclosure cannot be defined; therefore, it is the user's responsibility to ensure that the appropriate ingress protection level is maintained at these interfaces.
- 15.5 When manufactured in BKV 30 NI type material, the entry devices are suitable for a service temperature range of -20°C to +65°C.
- 15.6 When manufactured in BKV 140 type material, the entry devices are suitable for a service temperature range of -20°C to +45°C; items made from this material are marked with 'BKV 140'.

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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: [info@siracertification.com](mailto:info@siracertification.com)  
Web: [www.siracertification.com](http://www.siracertification.com)



SCHEDULE

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- 15.7 When the entry devices are manufactured in BKV 140 type material, they shall be protected from exposure to light; items made from this material are marked with 'BKV 140'.

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**SCHEDULE**

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**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 the reports listed in Section 14.2.

**17 CONDITIONS OF CERTIFICATION**

- 17.1 The use of this certificate is subject to the Regulations Applicable to Holders of Sira Certificates.
- 17.2 Holders of EC type-examination certificates are required to comply with the production control requirements defined in Article 8 of directive 94/9/EC.
- 17.3 The female threads of adaptors shall be restricted to one size larger than the male thread size.
- 17.4 When the AB, AJ, BB, BJ, Ck and CQ entry devices are manufactured in Type BKV 140 material, the devices shall be to be marked with BKV 140.

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## Certificate Annexe

Certificate Number: Sira 10ATEX3335U  
Component: Type AB & AJ adapters  
Type BB & BJ reducers  
Types CK & CQ stopping plugs  
Applicant: Raxton Limited

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### Issue 0

Drawing No.	Sheets	Rev.	Date (Sira Stamp)	Title
ATEX 851	1 of 1	1	17 Jan 11	CK & CQ Series
ATEX 852	1 of 1	1	17 Jan 11	AB & AJ & BB & BJ Series
IECEx 851	1 of 1	1	17 Jan 11	CK & CQ Series
IECEx 852	1 of 1	1	17 Jan 11	AB & AJ & BB & BJ Series

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