



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: **Sira 09ATEX1092X** Issue: **1**

4 Equipment: **Type TC Range of Cable Glands**

5 Applicant: **CMP Products Limited**

6 Address: **36 Nelson Way
Nelson Park Way
Cramlington NE23 1WH
UK**

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 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 60079-0:2006 EN 60079-1:2007 EN 60079-7:2007

EN 61241-0:2006 EN 61241-1:2004

IEC 60079-0:2007 was used for guidance in respect of marking

10 If the sign 'X' is placed after the certificate number, it indicates that the equipment 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 2GD
Ex d IIC/ Ex e IIC Gb
Ex ta IIIC Da

Project Number 23749
C. Index 07

C Ellaby
Certification Officer

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SCHEDULE

EC TYPE-EXAMINATION CERTIFICATE

Sira 09ATEX1092X
Issue 1

13 DESCRIPTION OF EQUIPMENT

The devices are designed to be threaded into suitably certified enclosures to permit the entry of un-armoured cables. Each gland comprises a threaded front item housing an elastomeric sealing ring assembly. The assembly is compressed by a threaded rear nut. The metallic parts may be manufactured in the following materials:

- Brass CuZn39Pb
- Aluminium LM25 or 6082 T6
- Stainless steel grade 316
- Mild steel grade 220M07

Gland / seal sizes are proportional to the cable outer diameter as shown in the table below:

Size designation	Cable range (mm)	Comment *	Alternative entry component thread forms:
20s	3.2 – 7.0		Metric ISO 965-1, ISO965-3 medium fit (6g) for external threads ET(Conduit) BS 31:1940 (1979), Table A PG DIN 40430:1971 BSPP BS 2779:1973 class A full form for external threads BSPT BS 21:1985 standard threads only as clause 5.4, gauging to clause 5.2 system A ISO ISO 7/1:1982, gauging to ISO 7/2 clause 6.3 for external threads NPT ANSI/ASME B1.20.1-1983 gauging to clause 8.1 for external threads NPSM ANSI/ASME B1.20.1-1983 gauging to clause 9 for external threads
20	6.5 – 14.0	removable insert	
25	11.1 – 20.0	removable insert	
32	17.0 - 26.3	removable insert	
40	23.5 – 32.2	removable insert	
50s	31.0 – 38.2	removable insert	
50	35.6 – 44.1		
63s	41.5 – 50.1		
63	47.2 – 56.0		
75s	54.0 – 62.0		
75	61.1 – 68.0		
90	66.6 – 80.0		
100	76.0 – 90.0		

Variation 1 - This variation introduced the following changes:

- The introduction of the TCCG type gland, this is a lighter weight gland and does not include an O-ring on the front entry item.

14 DESCRIPTIVE DOCUMENTS

14.1 Drawings

Refer to Certificate Annexe.

14.2 Associated Sira Reports and Certificate History

Issue	Date	Report number	Comment
0	28 May 2009	R51L17461A	The release of the prime certificate.
1	14 December 2010	R23749A/00	The introduction of Variation 1.

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SCHEDULE

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Sira 09ATEX1092X
Issue 1

- 15 **SPECIAL CONDITIONS FOR SAFE USE** (denoted by X after the certificate number)
- 15.1 The glands shall only be fitted to enclosures where the temperature, at the point of mounting, is below 110°C.
- 15.2 The cable shall be effectively clamped as close as possible to the gland.
- 15.3 When used for 'Ex e' (IP54) or 'Ex ta' (IP6X) applications the user shall provide a suitable interface seal between the gland and associated enclosure to maintain the appropriate level of ingress protection.
- 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.

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Certificate Annexe

Certificate Number: Sira 09ATEX1092X
Equipment: Type TC Range of Cable Glands
Applicant: CMP Products Limited



Issue 0

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
GA204	1 of 1	00	06 Apr 09	TC general arrangement
SCH0234	1 of 1	02	06 Apr 09	Seal details

Issue 1

Drawing	Sheets	Rev.	Date (Sira stamp)	Title
GA300	1 of 1	00	22 Nov 10	TCCG General arrangement & marking
SCH0317	1 of 1	00	22 Nov 10	TCCG Item 1

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