



1 **EC TYPE-EXAMINATION CERTIFICATE**

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

3 Certificate Number: Sira 01ATEX1272X

4 Equipment: Type A2LF range of cable glands

5 Applicant: Peppers Cable Glands Ltd

6 Address: Stanhope Road
Camberley
Surrey
GU15 3BT

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 R53A8374A.

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 + amendment A1 and A2
EN 50018 : 2000
EN 50019 : 2000
EN 50281-1-1 : 1998

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 2 G D
EEx d IIC/EEx e II

Project Number 53A8374
Date 20 December 2001
C. Index 07


R. Cooper Eng. InstMC
Deputy Chief Executive

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SCHEDULE

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13 DESCRIPTION OF EQUIPMENT

The type A2LF range of cable glands is intended for use with unarmoured or braided cables. Each comprises a metallic body with a male entry thread at one end. Construction materials are brass, mild steel, stainless steel or aluminium alloy. Glands are available in a single or double seal configuration and utilise a silicone or neoprene seal. The single seal configuration is available with a compression nut which will accept either male or female conduit.

Glands are available in the size range 16 to 100 mm with ISO metric entry threads of M20 to M100 respectively. Alternative thread forms are available.

14 DESCRIPTIVE DOCUMENTS

| 14.1 | Drawing | Rev | Sheet | Date | Title |
|------|--------------|-----|--------|-----------|--|
| | PCG/ATX/A2L | 1 | 1 of 1 | 20 Nov 01 | ATEX Range Glands for unarmoured cable A2LF, A2LCMF, A2LCFF & A2LDSF Families |
| | PCG/ATX/91V | 1 | 1 of 1 | 09 Mar 01 | ATEX Component Skid Washer – Parts 91V, 91VB, 91VBT |
| | PCG/ETDMV | 1 | 1 of 1 | 20 Sep 01 | Standard thread chart ATEX certified cable glands using "M", "V" & "N" components |
| | PCG/MATS/AL | 1 | 1 of 1 | 05 Nov 01 | Standard materials AL. Alloy ATEX certified glands using "M", "V" and "N" components |
| | PCG/MATS/SB | 1 | 1 of 1 | 20 Sep 01 | Standard materials ATEX certified glands using "M", "V" and "N" components |
| | PCG/ATX/81N | 1 | 1 of 1 | 23 Nov 01 | ATEX component entry body Part 81N |
| | PCG/ATX/82N | 1 | 1 of 1 | 26 Feb 01 | ATEX component seals 82N & 82NS |
| | PCG/ATX/82V | 1 | 1 of 1 | 19 Sep 01 | ATEX component seal parts 82V, 82VS |
| | PCG/ATX/85N | 1 | 1 of 1 | 06 Nov 01 | ATEX component mid cap part 85N |
| | PCG/ATX/88N | 1 | 1 of 1 | 05 Nov 01 | ATEX component nut part 88N |
| | PCG/ATX/88NF | 1 | 1 of 1 | 06 Nov 01 | ATEX component conduit nut female part 88NF |
| | PCG/ATX/88NM | 1 | 1 of 1 | 05 Nov 01 | ATEX component conduit nut, male part 88NM |
| | PCG/ATX/91N | 1 | 1 of 1 | 09 Mar 01 | ATEX component skid washer – parts 91N, 91NB, 91NBT |

14.2 Report No. R53A8374A

15 SPECIAL CONDITIONS FOR SAFE USE (denoted by X after the certificate number)

15.1 The A2L range of cable glands shall not be used with EEx d IIC enclosures with a volume greater than 2000 cm³.

15.2 The A2L range of cable glands shall not be used in enclosures where the temperature at the point of contact is outside the following range:

- 20°C to +80°C for the Neoprene seal variants
- 60°C to +180°C for the Silicone seal variants

15.3 The cable entries are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twisting.

Date 20 December 2001

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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 Report No. R53A8374A.

17 **CONDITIONS OF CERTIFICATION**

17.1 The use of this certificate is subject to the Regulations Applicable to Holders of SCS 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.

Date 20 December 2001

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Sira Certification Service

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