Epsilon Technical Services
Deeside Lane, Chester
CH1 6DD

Tel: +44 (0)1244 882590
Fax: +44 (0)1244 882599
www.epsilonex.com

Epsilon

EC - Type Examination Certificate

2 Equipment intended for use in potentially explosive atmospheres

3 Certificate Number: ECS 07 ATEX 2323X

4 Equipment: E1EX, D1EX and Ex Corrosion Guard Ranges of Cable Glands

5 Manufacturer: CCG Cable Terminations (Pty) Ltd

6 Address: 33-37 Forge Road
Spartan Industrial Area, Kempton Park, 1619, South Africa.

7 This equipment and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

8 Epsilon, Notified Body number 1712 in accordance with Article 9 of the Council directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to design and construction of equipment and protective systems for use in potentially explosive atmospheres given in Annex II to the directive

The examination and test results are recorded in confidential report no RETS(A)1817/A/1,2 & 3/V1

9 Compliance with the applicable Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2006
EN 60079-1:2004
EN 60079-7:2007

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, examination and tests of the specified equipment or protective system in accordance to the Directive 94/9/EC. Further requirements of the directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by the certificate.

12 The marking of the equipment shall include the following:

Ex II 2 G Ex de IIC

On behalf of Epsilon

S D'Henin
Certification Manager

Date: 24 November 2009

This certificate may only be reproduced in its entirety and without any change, schedule included.
The certificate is only valid when it carries an original signature and holographic security label.
For help or assistance relating to this certificate, contact cs@epsilonex.com.

Epsilon Technical Services
Deeside Lane, Chester
CH1 6DD

Tel: +44 (0)1244 882590
Fax: +44 (0)1244 882599
www.epsilonex.com

13 **Schedule**

14 Certificate Number: ECS 07 ATEX 2323X

15 Description of Equipment or protective system

The E1EX, D1EX and Ex corrosion guard range of cable glands are suitable for inserting circular cables into enclosures having threaded entries as appropriate for the type of protection and the type of thread.

The range of cable glands are as follows

The E1Ex range of cable glands for armoured cables each comprising of a brass, stainless steel or bronze body, a front seal, an armour cone, an armour compression element, a rear seal, and a seal compression nut. An optional moulded over-sleeve guard may be interposed between the armour element and rear compression nut. The glands are available in metric (M16x1.5 to M130x2), NPT (1/2" to 3") or BSP (1/2" to 3") entry threads.

The D1EX range of cable glands for armoured cables each comprising of a brass, stainless steel or bronze body, seal, an armour cone with spring retaining ring, an armour compression element, a rear seal and a seal compression nut. An optional moulded over-sleeve guard may be interposed between the armour element and rear compression nut. The glands are available with metric (M16x1.5 to M130x2), NPT (1/2" to 3") or BSP (1/2" to 3").

The Ex corrosion guard range of cable glands for armoured cables each comprising of a brass body, a front seal, an armour cone, an armour compression element, a rear seal and a seal compression nut. They have a moulded over-sleeve guard, which is inserted between the armour element and rear compression nut. The glands are available with metric (M16x1.5 to M130x2) or BSP (1/2" to 3") entry threads.

The marking is by means of stamping, marking is indicated on drawing number 100302 rev 5 and E.00.00.27.000/M which is satisfactory.

This certificate may only be reproduced in its entirety and without any change, schedule included.
For help or assistance relating to this certificate, contact cs@epsilonex.com.

Epsilon Technical Services
Deeside Lane, Chester
CH1 6DD

Tel: +44 (0)1244 882590
Fax: +44 (0)1244 882599
www.epsilonex.com

16 Descriptive Documents

16.1 Report Nos: RETS(A)1817/A/1,2 & 3/V1

16.2 Drawings:

Number	Date	Issue	Description
E.00.00.27.000/A	181208	7	D1EX Exde Cable Gland
E.00.00.27.000/B	110408	6	D1EX Exde Cable Gland
E.00.00.27.000/C	181208	6	D1EX Exde Cable Gland NPT
E.00.00.27.000/D	010609	7	D1EX Exde Cable Gland NPT
E.00.00.27.000/J	25-May-07	-	D1EX Exde Cable Gland BSP
E.00.00.27.000/K	20090930	1	D1EX Ex de Cable Gland BSP
E.00.00.27.000/M	091109	1	D1EX Exde Cable Gland Marking
E.00.00.26.000/A	24/06/09	9	E1EX Exde Cable Gland
E.00.00.26.000/B	10/11/08	6	E1EX Exde Cable Gland
E.00.00.26.000/C	010609	7	E1EX Exde Cable Gland – NPT
E.00.00.26.000/D	010609	7	E1EX Exde Cable Gland NPT
E.00.00.26.000/J	09/10/09	1	E1EX Ex de Cable Gland - BSP
E.00.00.26.000/K	09/10/09	2	E1EX Ex de Cable Gland - BSP
E.00.00.26.000/M	2009/11/24	-	E1EX Exde Cable Gland Marking
E.00.01.26.000/A	14/04/08	4	E1EX Exde Lead Seal Cable Gland
E.00.01.26.000/B	22/8/08	4	E1Ex Exde Lead Seal Cable Gland
E.00.01.26.000/E	09/10/09	2	E1EX Exde Cable Gland - BSP
E.00.01.26.000/F	09/10/09	1	E1EX Exde Cable Gland - BSP
051900-16-O - 051907-O	01-Sep-08	4	No."X" D1EX Outer
051900-03W	01-Sep-08	3	No.00 To No.10 D1EX, A2EX E1EX Washer
052300-12 NPT-I – 052307-3-NPT-I	01-Jun-09	1	No."X" E1EX, D1EX, EXCG & A2EX Inner (NPT)
052300-B - 052310-B	01-Jun-09	1	No."X" EIEX & EXCG Body
052316-C - 052310-C	01-Jun-09	1	No."X" E1EX, D1EX & EXCG Cone
052316-CR - 052310-CR	01-Sep-08	-	No."X" E1EX, D1EX & EXCG Cone Ring
05203L-052305L	26-Jun-09	-	No."X" E1EX-L Ex de Cable Gland
052303L-052305L-Marking	2009/11/24	2	E1EX-L Ex de Cable Gland Marking
052303L-052305L-M	25-Jun-09	-	E1EX-L Ex de Cable Gland Material
052303L-B – 052305L-B	24-Jun-09	-	No."X" E1EX-L Body
052303L-C – 052305L-C	30-Jun-09	-	No."X" E1EX-L Cone
052303L-I – 052305L-I	24 Jun-09	-	No."X" EIEX-L Inner
052303L-IS – 052305L-IS	30-Jun-09	-	No"X" E1EX-L Inner Seal
052303L-ON – 052305L-ON	24-Jun-09	-	No."X" E1EX-L Outer Nut
052303L-OS – 052305L-OS	24-Jun-09	-	No "X" E1EX-L Outer Seal
053603L-SR – 053605L-SR	30-Jun-09	-	No."X" Skid Ring

This certificate may only be reproduced in its entirety and without any change, schedule included.
For help or assistance relating to this certificate, contact cs@epsilonex.com.

Epsilon Technical Services
Deeside Lane, Chester
CH1 6DD

Tel: +44 (0)1244 882590
Fax: +44 (0)1244 882599
www.epsilonex.com

052300-I – 052310-I	05-Sep-08	-	No."X" EIEX, D1EX, EXCG & A2EX Inner
052300-IS – 052310-IS	2009/09/29	2	No "X" E1EX, A2EX, EXCG & D1EX Inner Seal
052316-O – 052310-O	01-Jun-09	1	No. 00 to 10 E1EX Outer Nut
052300-OS – 052307-OS	21-Jul-08	2	No "X" E1EX, E1W & CW Outer Seal
052300-SR – 052310-SR	01-Sep-08	1	No. "X" E1EX & EXCG Skid Ring
054700- 054710	2009/09/22	-	No. "X" EXCG de Gland Assembly
054700– 054710-Marking	2009/09/24	2	EXCG de Gland Marking
054700 -054710-MATL	2009/09/22	-	EXCG de Gland Material
054700-SG - 054707-SG	8/7/2007	1	No.00 to N0.7 EXCG Gasket
052308 to 052310	01-Jul-09	3	E1EX Gland Assembly
052300-LN - 052310-LN	17-Jul-09	-	No."X" Lock Nut
100302 - ATEX	24/11/09	6	Gland Marking

17 Conditions of Certification

17.1 Special Conditions for Safe Use
The cable glands are suitable for use on equipment with a temperature range, at the point of mounting of -30°C to + 80°C. Temperature classification is to be evaluated when installed.
When mounted in flameproof enclosure ensure that at least 5 threads are engaged and that the depth of engagement for enclosures with a volume less than 100cc is at least 5mm and for enclosures with a volume greater than 100cc is at least 8 mm.

17.2 Conditions for Use
None

18 Essential Health and Safety Requirements
Essential Health and Safety Requirements not covered by section 9:
Covered by manufacturer's instructions.

The manufacturer shall inform the notified body of any modifications to the design of the product described by this schedule

This certificate may only be reproduced in its entirety and without any change, schedule included.
For help or assistance relating to this certificate, contact cs@epsilonex.com.