



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx SIR 07.0005X issue No.:3
Status: **Current**
Date of Issue: 2009-11-25 Page 1 of 5

Certificate history:
Issue No. 3 (2009-11-25)
Issue No. 2 (2008-12-1)
Issue No. 1 (2007-6-13)
Issue No. 0 (2007-2-23)

Applicant: **CMP Products Limited**
Glasshouse Street
St Peters
Newcastle-upon-Tyne
Tyne and Wear NE6 1BS
United Kingdom

Electrical Apparatus: T3CDS and T3CDS/PB Type Glands
Optional accessory:


Type of Protection: Flameproof, Increased Safety, Type 'n' and Dust

Marking: Ex d IIC/Ex e II/ Ex nR II
Ex tD A21 IP66

Approved for issue on behalf of the IECEx Certification Body: D R Stubbings BA MIET

Position: Certification Manager

Signature:
(for printed version)


2009-11-25

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the Official IECEx Website.

Certificate issued by:
SIRA Certification Service
Rake Lane
Eccleston
Chester
CH4 9JN
United Kingdom

sira
CERTIFICATION



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Manufacturer: **CMP Products Limited**
Glasshouse Street
St Peters
Newcastle-upon-Tyne
Tyne and Wear NE6 1BS
United Kingdom

Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2004 Edition: 4.0	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
IEC 60079-1 : 2003 Edition: 5	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosure 'd'
IEC 60079-15 : 2005-03 Edition: 3	Electrical apparatus for explosive gas atmospheres Part 15: Construction, test and Marking of Type of Protection "n" electrical apparatus
IEC 60079-7 : 2006-07 Edition: 4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
IEC 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

This Certificate does not indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

GB/SIR/ExTR07.0005/00
GB/SIR/ExTR07.0048/00
GB/SIR/ExTR08.0126/00
GB/SIR/ExTR09.0185/00

Quality Assessment Report:

GB/SIR/QAR06.0011/00



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

T3CDS 'Ex de' Type – a range of cable glands each comprising a hollow threaded entry component containing a compensating displacement seal (CDS) system comprising of a compensator, ferrule, displacement seal, and skid washer, which are activated by the tightening of a threaded CDS nut. The cable armour is terminated between a reversible clamping cone and clamping ring when the threaded main gland body is tightened onto the entry component.

An outer seal and outer seal nut are fitted to the other end of the body. The glands are intended for use with appropriately sized SWA, strip armoured or braided cables. The design is such that a constant pressure is maintained on the displacement seal by the activation of the CDS system.

T3CDS/PB 'Ex de' Type - Identical to the T3CDS Type but incorporate a continuity washer and are suitable for use with lead sheathed cables.

See Equipment (continued) for design options

CONDITIONS OF CERTIFICATION: YES as shown below:

- The glands shall not be used on enclosures where the temperature, at the point of mounting, exceeds the following values

Gland Type	T3CDS	T3CDS/PB
Minimum	-60°C	-60°C
Maximum	+130°C	+130°C
- When used with braided cable, the glands shall be used for fixed installations only. Cables must be effectively clamped to prevent pulling or twisting
- When used in Group I applications, the equipment shall only be mounted where the risk of mechanical impact is low
- When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent twisting and pulling



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EQUIPMENT(continued):

Design Options

- Entry Thread options: Metric to BS 3643:1981, ET to BS 31: 1940, PG to DIN 40430:1971, BSPP to BS 2779:1973, BSPT to BS 21:1985, ISO to ISO 7/1:1982, NPT to USAS B2.1-1968, NPT to ANSI/ASME B1.20.1-1983 or NPSM to ANSI/ASME B1.20.1-1983
- Material options for metallic parts: Brass (standard), mild steel, stainless steel or aluminium with a magnesium content less than 6% by weight.
- The option to have an alternative entry component profile that incorporates an earth lug.
- Single or double sided and with an identically dimensioned plain taper each side for SWA type cables, the gland type designation becoming T3CDSW and T3CDSW/PB.
- Single or double sided with an identically dimensioned grooved taper each side for strip armoured or braided type cables; the gland type designation becoming T3CDSX and T3CDSX/PB.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1 - this Issue introduced the following changes:

1 Revised outer sealing arrangement

Issue 2 - this Issue introduced the following changes:

1 The addition of 20s16/20s and 20/25s sizes.

2 Alternative 'size-up' entry threads.

Issue 3 - this Issue introduced the following changes:

1 The increase in scope of use to include Group I was recognised a new Special Condition For Safe Use is also introduced.

2. The introduction of an alternative outer seal arrangement to allow the fitting of the glands to flexible conduit and an associated Special Condition For Safe Use

3. The addition of the size 16 gland to the T3CDS and T3CDS/PB range