IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

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

Certificate No.:	**IECEx CML 18.0183X**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 2	Issue 1 (2025-02-19) Issue 0 (2019-03-26)
Date of Issue:	2025-08-14		

Applicant: **CMP Products**
36 Nelson Way
Nelson Park East
Cramlington
Northumberland
NE23 1WH
United Kingdom

Equipment: **Cable Gland Types Triton T3** and TE****

Optional accessory:

Type of Protection: **Flameproof "db", Increased Safety "eb", Equipment by type of protection "nR", Dust Ignition "ta"**

Marking: Ex db I Mb

Ex eb I Mb

Ex db IIC Gb

Ex eb IIC Gb

Ex nR IIC Gc

Ex ta IIIC Da

Ta= -60°C to +130°C (standard seal) / -20°C to +200°C (high temperature seal)

Approved for issue on behalf of the IECEx Certification Body: **L A Brisk**

Position: **Assistant Certification Manager**

Signature: (for printed version)

Date: (for printed version) 14 Aug 2025

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 www.iecex.com or use of this QR Code.

Certificate issued by:

Eurofins E&E CML Limited
Unit 1, Newport Business Park
New Port Road
Ellesmere Port, CH65 4LZ
United Kingdom

IECEx Certificate of Conformity

Certificate No.: **IECEx CML 18.0183X**

Date of issue: 2025-08-14

Manufacturer:
CMP Products
36 Nelson Way
Nelson Park East
Cramlington
Northumberland
NE23 1WH
United Kingdom

Manufacturing locations:

CMP Products
36 Nelson Way
Nelson Park East
Cramlington
Northumberland
NE23 1WH
United Kingdom

CMP Products Limited
3 Nelson Way
Nelson Park East
Cramlington NE23 1EB
United Kingdom

British Engines (India) Pvt. Ltd
6A Attibelle Industrial Area
Bangalore 562107
India

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 equipment 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 60079-0:2017 Edition:7.0 — Explosive atmospheres - Part 0: Equipment - General requirements

IEC 60079-1:2014 Edition:7.0 — Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"

IEC 60079-15:2017 Edition:5.0 — Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

IEC 60079-31:2022 Edition:3.0 — Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"

IEC 60079-7:2017 Edition:5.1 — Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

This Certificate **does not** indicate compliance with 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 Reports:

GB/CML/ExTR19.0052/00 GB/CML/ExTR25.0017/00 GB/CML/ExTR25.0155/00

Quality Assessment Report:

GB/CML/QAR19.0001/08

IECEx Certificate of Conformity

EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The Triton T3CDS series is a range of displacement type cable glands, each comprises of a hollow threaded entry component containing an elastomeric compensating displacement seal (CDS) system with associated ferrule, a skid washer, flameproof sealing ring with compensator, a reversible clamping sleeve and armour cone are provided for termination of various armour types.

Refer to Certificate Annex for full Product Description.

SPECIFIC CONDITIONS OF USE: YES as shown below:
See Annex for Specific Conditions of Use.

IECEx Certificate of Conformity

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Issue 1
This issue introduced the following change:

1. An amendment to the Product Description.

Issue 2
This issue introduces the following changes:

1. To permit dimensional changes to the part drawings, and as a result, amend an introduce new schedule and GA drawings.
2. To update IEC 60079-31 to the latest version.
3. To include a new combination gland variant for T3**, and as a result, update the product description.

Annex:

IECEx CML 18.0183X Iss. 2 Certificate Annex.pdf

Annexe to:	**IECEx CML 18.0183X, Issue 2**
Apparatus:	**Cable Gland Types Triton T3** and TE****
Applicant:	**CMP Products Ltd**

Description

The Triton T3CDS series is a range of displacement type cable glands, each comprises of a hollow threaded entry component containing an elastomeric compensating displacement seal (CDS) system with associated ferrule, a skid washer, flameproof sealing ring with compensator, a reversible clamping sleeve and armour cone are provided for termination of various armour types. The flameproof sealing assembly is actuated by an inner seal nut. The entry component is fitted with an O-ring seal to provide increased ingress and deluge protection. Clamping of the armoured or braided cable is affected by a combination of the entry component, main body and the different optional armour cone and armour sleeve combinations being fastened together. An outer seal nut, containing an elastomeric sealing ring and a Nylon 6 ferrule, threads onto the main body and effects environmental sealing onto the cable outer sheath. The glands are intended for use with appropriately sized SWA, P.W.A., strip armoured, tape armoured, screened or braided* cables. The design is such that a constant pressure is maintained on the displacement seal by the use of the compensation ferrule.

*This includes braided cables that have no polymeric outer sheath/jacket.

T3CDS series suffixed ‘R’ or alternatively named TE1FU series – Identical to the above but incorporating an external shorter gland body to provide a reduced overall length.

Design Options

The front entry component may be manufactured with a profiled groove to captivate an O-ring seal which locates on the mating face with the associated enclosure. This option having the gland type designation prefixed with the letter R, e.g. 25RT3CDS.

T3CDS

- Option for larger entry threads
- Option for intermediate threads
- Option to supply with Earth Tags, Entry Thread Washer Seals, Locknuts, Serrated Washers, Shrouds.
- Option to include Ingress discs.
- Option to include O-Ring interface seal.
- Option to include alternate Ferrule and Skid Washer materials.
- Option to include alternate Armour Cone and Clamping Ring materials.
- Option for Combination Glands.
- Option to include Flat Form Seals.
- Option to include outer seal arrangement for use with flexible conduit.
- Option to include Earth Lugs.
- Option to include additional continuity devices (VSD/VFD).
- Option to include additional continuity devices (Lead Sheath).

TEIFU

- Option for larger entry threads
- Option for intermediate threads
- Option to supply with Earth Tags, Entry Thread Washer Seals, Locknuts, Serrated Washers, Shrouds.
- Option to include Ingress discs.
- Option to include O-Ring interface seal.
- Option to include alternate Ferrule and Skid Washer materials.
- Option to include alternate Armour Cone and Clamping Ring materials.
- Option to include outer seal arrangement for use with flexible conduit.
- Option to include Earth Lugs.
- Option to include additional continuity devices (VSD/VFD).
- Option to include additional continuity devices (Lead Sheath).

Materials of Manufacture

- Brass
- Nickel Plated Brass
- Stainless Steel
- Mild Steel
- Aluminium (Not Group I)

Refer to R12922A for material grades and standards.

Alternate entry component thread forms:

- Metric
- ET (Conduit)
- PG
- BSPP
- BSPT
- ISO
- NPT
- NPSM

Refer to R12922A for thread standards.

Type Designation

T3CDS * ***

PB	Alternative cone assembly incorporating an additional metallic continuity diaphragm for the use with inner lead sheathed SWA and braided cables
VAR	Optional metallic continuity device for use with variable speed drive (VSD) / variable frequency drive (VFD) cables
FF	Fitted with seals suitable for use with flat form cables
“Blank”	Standard gland arrangement with reversible armour cone
W	Fitted with single plain armour cone to suit S.W.A. cables
X	Fitted with single grooved armour cone to suit S.W.A., S.T.A., strip armoured, pliable wire armoured and braided cables
R	Alternative type number to the TE1FU types
L	Longer intermediate body

TE1F * ** ***

VAR	Optional metallic continuity device for use with variable speed drive (VSD) / variable frequency drive (VFD) cables
FF	Fitted with seals suitable for use with flat form cables
“Blank”	Standard gland arrangement with reversible armour cone
PB	Alternative cone assembly incorporating an additional metallic continuity diaphragm for the use with inner lead sheathed SWA and braided cables
W	Fitted with single plain armour cone to suit S.W.A. cables
X	Fitted with single grooved armour cone to suit S.W.A., S.T.A., strip armoured, pliable wire armoured and braided cables
U	Fitted with a universal cone to suit S.W.A., S.T.A., strip armoured, pliable wire armoured and braided cables

Eurofins E&E CML Limited
Newport Business Park, New Port Road
Ellesmere Port, CH65 4LZ, UK

The gland and seal sizes are determined by the entry thread and cable range-take sizes:

Gland Size	Entry Thread	Entry Thread 'B' Version	Inner Seal Sheath Range Ø (mm)		SWA, STA, Strip Armour, Pliable Wire Armour & Wire Braid (mm)		SWA (mm)		Outer Seal Sheath Range Ø (mm)	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
16	M16 x 1.5	---	3.1	8.7	0	0.8	0.8	1.25	6.1	13.2
16/20s	M16 x 1.5	---	3.1	8.7	0	0.8	0.8	1.25	9.5	15.9
20s16	M20 x 1.5	M25x1.5	3.1	8.7	0	0.8	0.8	1.25	6.1	13.2
20s16/20s	M20 x 1.5	M25x1.5	3.1	8.7	0	0.8	0.8	1.25	9.5	15.9
20s	M20 x 1.5	M25x1.5	6.1	11.7	0	0.8	0.8	1.25	9.5	15.9
20s/20	M20 x 1.5	M25x1.5	6.1	11.7	0	0.8	0.8	1.25	12.5	20.9
20	M20 x 1.5	M25x1.5	6.5	14	0	0.8	0.8	1.25	12.5	20.9
20/25s	M20 x 1.5	M25x1.5	6.5	14	0	1.1	1.25	1.6	14	22
20/25	M20 x 1.5	M25x1.5	6.5	14	0	1.1	1.25	1.6	18.2	26.2
25s	M25 x 1.5	M32x1.5	11.1	20	0	1.1	1.25	1.6	14	22
25	M25 x 1.5	M32x1.5	11.1	20	0	1.1	1.25	1.6	18.2	26.2
25/32	M25 x 1.5	M32x1.5	11.1	20	0	1.2	1.6	2	23.7	33.9
32	M32 x 1.5	M40x1.5	17	26.3	0	1.2	1.6	2	23.7	33.9
32/40	M32 x 1.5	M40x1.5	17	26.3	0	1.2	1.6	2	27.9	40.4
40	M40 x 1.5	M50x1.5	22	32.2	0	1.2	1.6	2	27.9	40.4
40/50s	M40 x 1.5	M50x1.5	22	32.2	0	1.5	2	2.5	35.2	46.7
50s	M50 x 1.5	M63x1.5	29.5	38.2	0	1.5	2	2.5	35.2	46.7
50S/50	M50 x 1.5	M63x1.5	29.5	38.2	0	1.5	2	2.5	40.4	53.1
50	M50 x 1.5	M63x1.5	35.6	44.1	0	1.5	2	2.5	40.4	53.1
50/63s	M50 x 1.5	M63x1.5	35.6	44.1	0	1.5	2	2.5	45.6	59.4
63s	M63 x 1.5	M75x1.5	40.1	50	0	1.5	2	2.5	45.6	59.4
63s/63	M63 x 1.5	M75x1.5	40.1	50	0	1.5	2	2.5	54.6	65.9
63	M63 x 1.5	M75x1.5	47.2	56	0	1.5	2	2.5	54.6	65.9
63/75s	M63 x 1.5	M75x1.5	47.2	56	0	1.5	2.5	3	59	72.1
75s	M75 x 1.5	M90x2.0	52.8	62	0	1.5	2.5	3	59	72.1
75s/75	M75 x 1.5	M90x2.0	52.8	62	0	1.6	2.5	3	66.7	78.5
75	M75 x 1.5	M90x2.0	59.1	68	0	1.6	2.5	3	66.7	78.5
75/90	M75 x 1.5	M90x2.0	59.1	68	0	1.6	3.15	4	76.2	90.4
90	M90 x 2.0	M100x2.0	66.6	80	0	1.6	3.15	4	76.2	90.4
90/100	M90 x 2.0	M100x2.0	66.6	80	0	1.6	3.15	4	86.1	101.5
100	M100 x 2.0	M115x2.0	76	91	0	1.6	3.15	4	86.1	101.5
100/115	M100 x 2.0	M115x2.0	76	91	0	1.6	3.15	4	101.5	110.3
115	M115 x 2.0	M130x2.0	86	98	0	1.6	3.15	4	101.5	110.3
115/130	M115 x 2.0	M130x2.0	86	98	0	1.6	3.15	4	110.2	123.3
130	M130 x 2.0	---	97	115	0	1.6	3.15	4	110.2	123.3

T3 series suffixed ‘FF’ or TE series suffixed ‘FF’ in these sizes only.

Gland Size	Entry Thread	Entry Thread 'B' Version	Inner Seal Range Ø (mm)		Outer Seal Sheath Range Ø (mm)	
			Min.	Max.	Min.	Max.
20s	M20 x 1.5	M25x1.5	4.0 × 6.2	6.8 × 11.7	4.4 × 7.8	6.7 × 11.7
20	M20 x 1.5	M25x1.5	5.7 × 8.0	8.7 × 13.5	4.4 × 10.9	83.7 × 16.0

T3CDSL series which includes the longer intermediate body are determined by the entry thread and cable range-take sizes:

Gland Size	Entry Thread	Entry Thread 'B' Version	Inner Seal Sheath Range Ø (mm)		SWA, STA, Strip Armour, Pliable Wire Armour & Wire Braid (mm)		SWA (mm)		Outer Seal Sheath Range Ø (mm)	
			Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
63	M63 x 1.5		47.2	56	0	1.5	2	2.5	54.6	65.9

Notes:

- IECEx SIR 13.0028X is superseded by this certificate.
- The product covered by Issue 0 of this certificate remains identical to that previously covered by IECEx SIR 13.0028X.
- Where IECEx SIR 13.0028X is specified in other product certification, or other technical specifications, this certificate reference for the product shall be used in its place; updating of the other product certificate or technical specification is not required.

Conditions of Manufacture

None.

Specific Conditions of Use

The following conditions relate to safe installation and/or use of the equipment.
The following conditions relate to safe installation and/or use of the equipment.

i. When the cable glands are supplied with an entry thread that is one size up from the nominal gland size, designated with the letter ‘B’ after the gland size, e.g. 32B****, they shall not be used with any adaptor device.

ii. The glands when used for terminating braided cables are only suitable for fixed installations. Cables must be effectively clamped to prevent pulling or twisting.

iii. When assembled for fitting to flexible conduit, the conduit shall be effectively clamped to prevent pulling or twisting.

iv. The T3** and TE** Type cable glands shall not be used to terminate on braided cables in Group I applications.

Components used which are covered by Ex Certificates issued to older editions of Standards

Not applicable.