

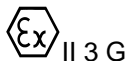
**Type Examination Certificate CML 21UKEX4006X Issue 3****United Kingdom Conformity Assessment**

- 1 Product or Protective System Intended for use in Potentially Explosive Atmospheres UKSI 2016:1107 (as amended)
- 2 Equipment **Cable Gland Series E1EX (VS)(QS)(VX), E1EX-U (VS)(QS)(VX), E1EX Lead Seal, D1EX (QS)(VX), CXe, CWe, EXCG (VS)(QS)(VX), VRTX SWA, FLP (QS)(VX), ARMORTEX (QS)(VX), EXCG-Lead Seal, FLP-TR (QS)(VX), FLP-TR-KHDE (QS)(VX), FLPHOSE (QS)(VX), VRTX, UNITEx-D (VS), UNITEx-E, UNITEx-QS(VX), UNITEx-F, UNITEx F~QS(VX), TMC, TMCX**
- 3 Manufacturer **CCG Cable Terminations PTY LTD**
- 4 Address **33-37 Forge Road,  
Spartan Ind Area,  
Kempton Park, 1619,  
South Africa**
- 5 The equipment is specified in the description of this certificate and the documents to which it refers.
- 6 Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port, CH65 4LZ, United Kingdom, 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 Schedule 1 of the Regulations.  
  
The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to specific conditions of use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This Type Examination certificate relates only to the design and construction of the specified equipment. Further requirements of the Regulations apply to the manufacturing process and supply of the product. These are not covered by this certificate.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018

EN IEC 60079-15:2019

- 10 The equipment shall be marked with the following:



Ex nR IIC Gc

IP66/67/68 (2m), IP65 (as applicable)





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## 11 Description

Cable glands for use with armoured cables, Types; E1EX (VS)(QS)(VX), E1EX-U (VS)(QS)(VX), E1EX Lead Seal, D1EX (QS)(VX), CXe, CWe, EXCG (VS)(QS)(VX), VRTX SWA, FLP (QS)(VX), ARMORTEX (QS)(VX), EXCG-Lead Seal, UNITEx-D (VS), UNITEx-E, UNITEx-QS (VX), UNITEx-F, UNITEx-F~QS(VX), TMC, TMCX.

Cable glands for use with non-armoured and braid cables, Types; FLP-TR (QS)(VX), FLP-TR- KHDE (QS)(VX), FLPHOSE (QS)(VX), VRTX.

| Product              | Sizes                      |
|----------------------|----------------------------|
| ARMORTEX (QS)(VX)    | 00-7 (Metric & NPT)        |
| E1EX U (VS)(QS)(VX)  | 00-10 (Metric & NPT)       |
| FLP (QS)(VX)         | 00-7 (Metric & NPT)        |
| FLP Hose (QS)(VX)    | 00-7 (Metric & NPT)        |
| FLP TR (QS)(VX)      | 00-7 (Metric & NPT)        |
| FLP-TR-KHDE (QS)(VX) | 00-7 (Metric & NPT)        |
| D1EX (QS)(VX)        | 00-13 (Metric) 00-11 (NPT) |
| E1EX (VS)(QS)(VX)    | 00-13 (Metric) 00-11 (NPT) |
| E1EX Lead Seal       | 00-13 (Metric) 00-11 (NPT) |
| EXCG (VS)(QS)(VX)    | 00-10 (Metric)             |
| EXCG – Lead Seal     | 00-13 (Metric)             |
| UNITEx-D (VS)        | 00-10 (Metric & NPT)       |
| UNITEx ~QS(VX)       | 00-10 (Metric & NPT)       |
| UNITEx-F~ QS(VX)     | 00-10 (Metric & NPT)       |
| TMCX                 | 00-11 (Metric & NPT)       |
| CXe                  | 00-13 (Metric) 00-11 (NPT) |
| CWe                  | 00-13 (Metric) 00-11 (NPT) |
| TMC                  | 00-11 (Metric & NPT)       |
| UNITEx-E             | 00-10 (Metric & NPT)       |
| UNITEx-F             | 00-10 (Metric & NPT)       |
| VRTX                 | 0-8 (Metric)               |
| VRTX SWA             | 0-8 (Metric)               |



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### Notes

1. Cable glands with parallel entry threads are IP66/68 when fitted with the supplied sealing gasket. NPT threads are at least IP65 as standard, but IP68 (2m) can be achieved if one of the following grease types is applied to the NPT thread before fitting:- Renolit Lubrene CA 700, Renolit LC-WP2, Renolit Lubrene LX 220 EP2, Renolit Moly LX 2 or Dow Corning 4 Electrical Compound.
2. Cable glands with parallel entry threads (e.g. Metric and BSP parallel) are supplied with fitted sealing gaskets as standard. The sealing gasket is optional for Ex d applications without IP rating. (RE-FLEx cord may be used as an alternative to a standard sealing gasket.)
3. 'VS' in the name of a cable gland variant indicates that a thin copper/brass disc is fitted between the inner seal and the cone for earth continuity to a metallic cable screen (e.g. variable speed drive cable or a lead sheathed cable). The sealing arrangement between the inner seal and the potted sleeve is not affected. Note that a standard cable gland type can be converted to a (VS) variant by retrofitting the thin copper / brass disc. The product marking does not need to be changed when the copper / brass disc is retrofitted.
4. '-FC' in the name of a cable gland variant indicates that the outer seal nut has an additional female thread to allow the connection of a flexible conduit.
5. 'QS' in the name of a cable gland variant, indicates that it is the Quickstop resin barrier version of the cable gland. This utilises a clear potting compound to achieve a hard setting seal inside the gland. The sealing compound is transparent and accommodates inspection.
6. 'VX' in the name of a cable gland variant, refers to the Vortex resin barrier version of the cable gland. This utilises a coloured potting compound to achieve a hard setting seal inside the gland. There is a transparent elastomeric seal at the end of the compound enclosure to accommodate inspection.
7. Cable glands that are available as both barrier (QS or VX) and non-barrier versions may be supplied as non-barrier versions together with the additional components needed to convert them to barrier versions if required. When the conversion is carried out the product marking does not need to be changed
8. RE-FLEx sealing cord can be used as an alternative to a standard sealing gasket to achieve IP66/68. It is intended as a retro-fit solution and must be installed according to the fitting instructions supplied with it.

### Materials of Manufacture

- Brass (CZ121), Bronze (PB2), Stainless Steel (316), Aluminium (6063), Mild steel (EN8)
- HDPE (D7255/HL), PTFE (CCG PTFE-001), Nylon (6)
- EPDM (64 Shore), Silicone (CCG G/65-1C)
- QuickStop Ex resin (S50/EPA or FR/846), VORTEX Ex resin (S50/Y, EPA/Y or FR/846/Y)



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### Variation 1

This variation introduced the following modifications:

- i. The introduction of an alternative seal arrangement on the UNITEx-D gland range.
- ii. To allow an alternative QuickStop and VORTEX resin to be used, giving a wider temperature range.
- iii. To include IPX8 rating on NPT threaded arrangements when used with specific greases.
- iv. The description and specific Conditions of Use have been updated in accordance with the modifications above.

### Variation 2

This variation introduced the following modifications:

- i. To update the certificate format, and where applicable, the description has been updated in accordance with the modifications.
- ii. To update the number of cores allowed in size 00 and 0 barrier glands from 6 to 10.
- iii. To update the UNITEx~QS(VX) cable gland to use the E1EX cable gland outer seal arrangement.
- iv. To update the certification to add the option for any cable gland to have an outer seal nut with an additional female thread to allow flexible conduits to be attached to the cable gland (designated '-FC').
- v. The addition of new gland model variant FLP-TR-KHDE. (A FLP-TR gland with an addition to the rear nut to allow a specific pipe connection – the pipe is used to protect the cable fitted.)
- vi. To update the certification drawings with minor corrections.
- vii. To update the A2F-FHC~QS (VX) gland certification drawings to show additional NPT entry thread options and to remove model A2F-FHC from the certificates detailed on the front page.
- viii. To permit changes to the Specific Conditions of Use.
- ix. To update the wording of the grease used for the NPT threads
- x. To remove the A2F cable gland range and variants (except the A2F-FHC~QS(VX))
- xi. The addition of the TMC and TMCX cable glands.
- xii. To update EN IEC 60079-15 to the latest edition.
- xiii. Correction to standards referenced.

### Variation 3

This variation introduced the following modifications:

- i. To include a modified TMCX design.
- ii. To remove the barrier gland versions of the A2EX, A2F-FHC, and PosiGrip glands.
- iii. To remove the non-barrier gland versions of the A2EX, and PosiGrip glands.
- iv. To update the number of cores allowed in barrier gland versions.
- v. To allow an alternate outer seal nut assembly to be used in the UNITEx-F~QS (VX) gland.
- vi. To permit changes to the Specific Conditions of Use.
- vii. To update the material options for the VaritEx gland spring.
- viii. To update the existing certification text, and where applicable, the certification drawings.



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## 12 Certificate history and evaluation reports

| Issue | Date        | Associated report | Notes                       |
|-------|-------------|-------------------|-----------------------------|
| 0     | 21 Jan 2021 | R13654A/00        | Issue of Prime Certificate  |
| 1     | 14 Apr 2021 | R13990A/00        | Introduction of variation 1 |
| 2     | 19 May 2022 | R15092A/00        | Introduction of variation 2 |
| 3     |             | R16748A/00        | Introduction of Variation 3 |

Note: Drawings that describe the equipment are listed in the Annex.

## 13 Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- i. Where the product incorporates certified parts or safety critical components, the manufacturer shall ensure that any changes to those parts or components do not affect the compliance of the certified product that is the subject of this certificate.
- ii. Cable glands with intermediate metric entry thread sizes shall be constructed by enlarging the entry thread size of the standard size product immediately below the intermediate thread size. The minimum entry wall thickness, allowable number of cores, cable size range and constructional parts utilised (other than the entry thread component) shall not differ from that of the standard size used.

## 14 Specific Conditions of Use

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

### General Conditions

- i. The cable glands shall only be used where the temperature, at the point of entry, is between:
  - Quickstop or Vortex resin type S50 / EPA, when used with any gaskets/skid rings:  
(-50°C and +95°C)
  - Quickstop or Vortex resin type FR/846, when used with EPDM seals & Nylon gaskets/skid rings or Silicone seals & PTFE gaskets / skid rings:  
– (-60°C and +100°C)
  - EPDM seals & HDPE gaskets/skid rings:  
(-60°C and +95°C)
  - EPDM seals & Nylon gaskets/skid rings:  
(-60°C and +100°C)
  - Silicone seals & PTFE gaskets/skid rings:  
(-60°C and +160°C)
  - The corrosion guard is not an essential part of the explosion protection. The corrosion guard material has a Relative Temperature Index (RTI) of 120°C.
- ii. Cable glands for unarmoured or braided cable and approved only for Group IIC/IIIC (Not barrier glands or Group I) shall only be used on fixed installations where the cable is clamped, or stress applied to the cable in the gland is prevented.
- iii. When constructed of aluminium, the glands shall not be used in Group I applications.
- iv. When the RE-FLEEx sealing method is used, the gland installer shall refer to the manufacturer's instructions.



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### **Conditions for Specific Glands**

- i. VRTX range of glands:
  - The VRTX range of cable glands shall only be used on fixed installations where the cable is clamped, or stress applied to the cable in the gland is prevented
- ii. Armortex and E1EX-U type ranges of glands
  - The Armortex and E1EX-U type glands have been tested for braided cable for Group II and III only. When braided cable is fitted, they shall only be used on fixed installations where the cable is clamped or stress applied to the cable in the gland is prevented. (Does not apply to barrier gland versions.)

# Certificate Annex



**Certificate Number** CML 21UKEX4006X

**Equipment** Cable Gland Series E1EX (VS)(QS)(VX), E1EX-U (VS)(QS)(VX), E1EX Lead Seal, D1EX (QS)(VX), CXe, CWe, EXCG (VS)(QS)(VX), VRTX SWA, FLP (QS)(VX), ARMORTEX (QS)(VX), EXCG-Lead Seal, FLP-TR (QS)(VX), FLP-TR-KHDE (QS)(VX), FLPHOSE (QS)(VX), VRTX, UNITE<sub>x</sub>-D (VS), UNITE<sub>x</sub>-E, UNITE<sub>x</sub>-QS(VX), UNITE<sub>x</sub>-F, UNITE<sub>x</sub>-F-QS(VX), TMC, TMCX

**Manufacturer** CCG Cable Terminations PTY LTD

The following documents describe the equipment defined in this certificate:

## Issue 0

| Drawing No                         | Sheets | Rev | Approved date | Title                                   |
|------------------------------------|--------|-----|---------------|---|
| 0468 MARK                          | 1 of 1 | 1   | 21 Jan 2021   | A2F-FHC(QS) GLAND MARKING               |
| 0521 - MARK ATEX&IECE <sub>x</sub> | 1 of 1 | 1   | 21 Jan 2021   | No. "X" FLP, ARMORTEX MARKING           |
| 0523 - MARK ATEX&IECE <sub>x</sub> | 1 of 1 | 1   | 21 Jan 2021   | No."X" EX GLAND MARKING                 |
| 0523-LS MARK                       | 1 of 1 | 1   | 21 Jan 2021   | No."X" E1EX -LS AND -U GLAND MARKING    |
| 0531-MARK ATEX&IECE <sub>x</sub>   | 1 of 1 | 1   | 21 Jan 2021   | No. "X" VRTX GLAND MARKING              |
| 0537 - MARK ATEX&IECE <sub>x</sub> | 1 of 1 | 1   | 21 Jan 2021   | A2EX-FHC GLAND MARKING                  |
| 0545- MARK ATEX&IECE <sub>x</sub>  | 1 of 1 | 1   | 21 Jan 2021   | No."X" POSI GRIP MARKING                |
| 0557-MARK                          | 1 of 1 | 1   | 21 Jan 2021   | CWe/CXe GLAND MARKING                   |
| 0587-MARK                          | 1 of 1 | 1   | 21 Jan 2021   | No."X" UNITE <sub>x</sub> -F(QS) - MARK |
| 0591-MARK ATEX&IECE <sub>x</sub>   | 1 of 1 | 2   | 21 Jan 2021   | No."X" UNITE <sub>x</sub> GLAND MARKING |

## Issue 1

| Drawing No                          | Sheets | Rev | Approved date | Title                                    |
|-------------------------------------|--------|-----|---------------|--|
| 0468 MARK                           | 1 of 1 | 1   | 14 Apr 2021   | A2F-FHC (QS) GLAND MARKING               |
| 0510-ASSY                           | 1 of 1 | 5   | 14 Apr 2021   | No. "X" UNITE <sub>x</sub> -F GLAND ASSY |
| 0521-MARK ATEX&IECE <sub>x</sub>    | 1 of 1 | 1   | 14 Apr 2021   | No. "X" FLP, ARMORTEX MARKING            |
| 0523 - MARK ATEX&IECE <sub>x</sub>  | 1 of 1 | 1   | 14 Apr 2021   | No. "X" EX GLAND MARKING                 |
| 0523-LS MARK ATEX&IECE <sub>x</sub> | 1 of 1 | 1   | 14 Apr 2021   | No. "X" E1EX – LS AND –U GLAND MARKING   |
| 0537 - MARK ATEX&IECE <sub>x</sub>  | 1 of 1 | 1   | 14 Apr 2021   | A2EX-FHC GLAND MARKING                   |
| 0541-MARK ATEX&IECE <sub>x</sub>    | 1 of 1 | 4   | 14 Apr 2021   | No. "X" A2F MARKING                      |
| 0541-ASSY                           | 1 of 1 | 7   | 14 Apr 2021   | No. "X" A2F ASSEMBLY                     |
| 0542-ASSY                           | 1 of 1 | 7   | 14 Apr 2021   | No. "X" A2FX GLAND                       |
| 0545- MARK ATEX&IECE <sub>x</sub>   | 1 of 1 | 1   | 14 Apr 2021   | No. "X" POSI GRIP MARKING                |
| 0547-ASSY                           | 1 of 1 | 6   | 14 Apr 2021   | No. "X" Ex de CORROSION GUARD            |
| 0554-ASSY                           | 1 of 1 | 6   | 14 Apr 2021   | No. "X" UNITE <sub>x</sub> -D GLAND ASSY |

# Certificate Annex



**Certificate Number** CML 21UKEX4006X

**Equipment** Cable Gland Series E1EX (VS)(QS)(VX), E1EX-U (VS)(QS)(VX), E1EX Lead Seal, D1EX (QS)(VX), CXe, CWe, EXCG (VS)(QS)(VX), VRTX SWA, FLP (QS)(VX), ARMORTEX (QS)(VX), EXCG-Lead Seal, FLP-TR (QS)(VX), FLP-TR-KHDE (QS)(VX), FLPHOSE (QS)(VX), VRTX, UNITE<sub>x</sub>-D (VS), UNITE<sub>x</sub>-E, UNITE<sub>x</sub>-QS(VX), UNITE<sub>x</sub>-F, UNITE<sub>x</sub> F-QS(VX), TMC, TMCX

**Manufacturer** CCG Cable Terminations PTY LTD

| Drawing No                          | Sheets | Rev | Approved date | Title  |
|-------------------------------------|--------|-----|---------------|--|
| 0554-B                              | 1 of 1 | 3   | 14 Apr 2021   | No. "X" UNITE <sub>x</sub> -D BODY                   |
| 0554L-ASSY                          | 1 of 1 | 1   | 14 Apr 2021   | No. "X" UNITE <sub>x</sub> -D COMBINATION GLAND ASSY |
| 0559-ASSY                           | 1 of 1 | 5   | 14 Apr 2021   | No. "X" UNITE <sub>x</sub> -QS GLAND ASSY            |
| 0577-I-R                            | 1 of 1 | 5   | 14 Apr 2021   | No. "X" A2FX-R INNER                                 |
| 0577-MARK<br>ATEX&IECE <sub>x</sub> | 1 of 1 | 4   | 14 Apr 2021   | "X" A2FX-R MARKING                                   |
| 0577-R-ASSY                         | 1 of 1 | 7   | 14 Apr 2021   | No. "X" A2FX-R ASSY                                  |
| 0587-ASSY                           | 1 of 1 | 5   | 14 Apr 2021   | No. "X" UNITE <sub>x</sub> -F-QS GLAND ASSY          |
| 0587-I                              | 1 of 1 | 3   | 14 Apr 2021   | No. "X" UNITE <sub>x</sub> -F-QS INNER               |
| 0587-MARK                           | 1 of 1 | 1   | 14 Apr 2021   | No. "X" UNITE <sub>x</sub> -F(QS)-MARK               |
| 0590-R-ASSY                         | 1 of 1 | 3   | 14 Apr 2021   | No. "X" A2F-R ASSY                                   |
| 0591-MARK<br>ATEX&IECE <sub>x</sub> | 1 of 1 | 2   | 14 Apr 2021   | No. "X" UNITE <sub>x</sub> GLAND MARKING             |
| 8055 - SG                           | 1 of 1 | 1   | 14 Apr 2021   | No. "X" CCG SEALING GASKET                           |

## Issue 2

| Drawing No                             | Sheets | Rev | Approved date | Title   |
|--|--------|-----|---------------|---|
| 0468 ASSY                              | 1 of 1 | 1   | 19 May 2022   | No. "X" A2F-FHC-QS GLAND ASSY.                |
| 0468 MARK                              | 1 of 1 | 2   | 19 May 2022   | A2F-FHC-QS(VX) GLAND MARKING                  |
| 0519 -ASSY                             | 1 of 1 | 6   | 19 May 2022   | No. "X" D1EX Ex de CABLE GLANDS               |
| 0521 – MARK ATEX&IECE <sub>x</sub>     | 1 of 1 | 2   | 19 May 2022   | No. "X" FLP, ARMORTEX MARKING                 |
| 0521- ASSY                             | 1 of 1 | 5   | 19 May 2022   | No. "X" FLP GLAND ASSEMBLY                    |
| 0521-FC-C                              | 1 of 1 | -   | 19 May 2022   | No. "X" FLP-FC CONE                           |
| 0522- ASSY                             | 1 of 1 | 5   | 19 May 2022   | No. "X" ARMORTEX GLAND ASSEMBLY               |
| 0523-ASSY-SL                           | 1 of 1 | 4   | 19 May 2022   | TYPICAL QUICK STOP AND VORTEX SLEEVE ASSEMBLY |
| 0523 - MARK ATEX&IECE <sub>x</sub>     | 1 of 1 | 2   | 19 May 2022   | No. "X" EX GLAND MARKING                      |
| 0523 D - B                             | 1 of 1 | 1   | 19 May 2022   | No. "X" E1EX BODY                             |
| 0523 D - I                             | 1 of 1 | 1   | 19 May 2022   | No. "X" E1EX INNER                            |
| 0523-LS ASSY                           | 1 of 1 | 5   | 19 May 2022   | No. "X" E1EX LEAD SEAL ASSY                   |
| 0523-LS MARK<br>ATEX&IECE <sub>x</sub> | 1 of 1 | 2   | 19 May 2022   | No. "X" E1EX - LS AND - U GLAND MARKING       |
| 0524- ASSY                             | 1 of 1 | 5   | 19 May 2022   | No. "X" FLP TR ASSEMBLY                       |
| 0524-FC ASSY                           | 1 of 1 | -   | 19 May 2022   | No. "X" FLP-TR-FC FLEXIBLE CONDUIT ASSEMBLY   |
| 0524-FC-O                              | 1 of 1 | -   | 19 May 2022   | No. "X" FLP-TR-FC OUTER                       |



## Certificate Annex

**Certificate Number** CML 21UKEX4006X

**Equipment** Cable Gland Series E1EX (VS)(QS)(VX), E1EX-U (VS)(QS)(VX), E1EX Lead Seal, D1EX (QS)(VX), CXe, CWe, EXCG (VS)(QS)(VX), VRTX SWA, FLP (QS)(VX), ARMORTEX (QS)(VX), EXCG-Lead Seal, FLP-TR (QS)(VX), FLP-TR-KHDE (QS)(VX), FLPHOSE (QS)(VX), VRTX, UNITE<sub>x</sub>-D (VS), UNITE<sub>x</sub>-E, UNITE<sub>x</sub>-QS(VX), UNITE<sub>x</sub>-F, UNITE<sub>x</sub> F-QS(VX), TMC, TMCX



**Manufacturer** CCG Cable Terminations PTY LTD

| Drawing No                                   | Sheets | Rev | Approved date | Title   |
|--|--------|-----|---------------|---|
| 0524-KHDE-ASSY                               | 1 of 1 | -   | 19 May 2022   | No. "X" FLP-TR-KHDE GLAND ASSEMBLY                                  |
| 0524-O-D                                     | 1 of 1 | -   | 19 May 2022   | No. "X" FLP TR DIESEL OUTER   |
| 0527- HOSE ASSY                              | 1 of 1 | 5   | 19 May 2022   | FLP HOSE GLAND ASSEMBLY   |
| 0527-FC-ASSY                                 | 1 of 1 | -   | 19 May 2022   | No. "X" FLP-FC FLEXIBLE CONDUIT GLAND ASSEMBLY                      |
| 0527-FC-MARK ATEX,UKEX&IECE <sub>x</sub>     | 1 of 1 | -   | 19 May 2022   | FLP-FC, FLP-TR-FC & FLP-TR-KHDE MARKING-ATEX,UKEX&IECE <sub>x</sub> |
| 0527-FC-O                                    | 1 of 1 | -   | 19 May 2022   | No. "X" FLP-FC OUTER  |
| 0536-ASSY                                    | 1 of 1 | 9   | 19 May 2022   | No. "X" A2EX ASSEMBLY   |
| 0536-GS                                      | 1 of 1 | 8   | 19 May 2022   | No. "X" A2 GRIPPER SEAL   |
| 0536-SR                                      | 1 of 1 | 8   | 19 May 2022   | No. "X" A2 SKID RING  |
| 0537 - ASSY                                  | 1 of 1 | 6   | 19 May 2022   | No. "X" A2EX FHC GLAND ASSEMBLY                                     |
| 0537 - MARK ATEX&IECE <sub>x</sub>           | 1 of 1 | 2   | 19 May 2022   | A2EX-FHC GLAND MARKING  |
| 0545 - ASSY                                  | 1 of 1 | 4   | 19 May 2022   | No. "X" POSI GRIP ASSEMBLY  |
| 0545- MARK ATEX&IECE <sub>x</sub>            | 1 of 1 | 2   | 19 May 2022   | No. "X" POSI GRIP MARKING   |
| 0547 - ASSY                                  | 1 of 1 | 7   | 19 May 2022   | No. "X" Ex de CORROSION GUARD                                       |
| 0547- CG- LS-ASSY                            | 1 of 1 | 3   | 19 May 2022   | No. "X" EXCG LEAD SEAL ASSY   |
| 0559-ASSY                                    | 1 of 1 | 6   | 19 May 2022   | No. "X" UNITE <sub>x</sub> -QS GLAND ASSY                           |
| 0571 - ASSY                                  | 1 of 1 | 6   | 19 May 2022   | No. "X" E1EX UNIVERSAL GLAND ASSY                                   |
| 0587-MARK ATEX&IECE <sub>x</sub>             | 1 of 1 | 2   | 19 May 2022   | No "X" UNITE <sub>x</sub> -F(QS) - MARK                             |
| 0589 ASSY                                    | 1 of 1 | -   | 19 May 2022   | TMCX ASSEMBLY   |
| 0589-ES                                      | 1 of 1 | -   | 19 May 2022   | TMCX END STOP   |
| 0589-I                                       | 1 of 1 | -   | 19 May 2022   | TMCX INNER METRIC   |
| 0589-I-NPT                                   | 1 of 1 | -   | 19 May 2022   | TMCX INNER NPT  |
| 0589-S                                       | 1 of 1 | -   | 19 May 2022   | TMCX RESIN SLEEVE   |
| 0591-MARK ATEX&IECE <sub>x</sub>             | 1 of 1 | 3   | 19 May 2022   | No "X" UNITE <sub>x</sub> GLAND MARKING                             |
| 0595 - 0589 MARKING - ATEX-IECE <sub>x</sub> | 1 of 1 | 2   | 19 May 2022   | TMC / TMCX MARLING - ATEX-IECE <sub>x</sub>                         |
| 0595 ASSY                                    | 1 of 1 | -   | 19 May 2022   | TMC ASSEMBLY  |
| 0595-I                                       | 1 of 1 | -   | 19 May 2022   | TMC INNER-METRIC  |
| 0595-I-NPT                                   | 1 of 1 | -   | 19 May 2022   | TMC INNER-NPT   |
| 0595-ON                                      | 1 of 1 | -   | 19 May 2022   | TMC OUTER NUT   |
| 0595-SP                                      | 1 of 1 | -   | 19 May 2022   | TMC SPACER  |

## Certificate Annex



**Certificate Number** CML 21UKEX4006X

**Equipment** Cable Gland Series E1EX (VS)(QS)(VX), E1EX-U (VS)(QS)(VX), E1EX Lead Seal, D1EX (QS)(VX), CXe, CWe, EXCG (VS)(QS)(VX), VRTX SWA, FLP (QS)(VX), ARMORTEX (QS)(VX), EXCG-Lead Seal, FLP-TR (QS)(VX), FLP-TR-KHDE (QS)(VX), FLPHOSE (QS)(VX), VRTX, UNITE<sub>x</sub>-D (VS), UNITE<sub>x</sub>-E, UNITE<sub>x</sub>~QS(VX), UNITE<sub>x</sub>-F, UNITE<sub>x</sub> F~QS(VX), TMC, TMCX

**Manufacturer** CCG Cable Terminations PTY LTD

### Issue 3

| Drawing No.                          | Sheets | Rev | Approved date | Title   |
|--------------------------------------|--------|-----|---------------|---|
| 0519 - ASSY                          | 1 of 1 | 7   |               | No. "X" D1EX Ex de CABLE GLANDS                 |
| 0523 – ASSY-QS                       | 1 of 1 | 3   |               | No. "X" E1EX QUICK STOP ASSY                    |
| 0523-ASSY-SL                         | 1 of 1 | 5   |               | TYPICAL QUICK STOP AND VORTEX SLEEVE ASSEMBLY   |
| 0523 – MARK ATEX & IECE <sub>x</sub> | 1 of 1 | 3   |               | No. "X" EX GLAND MARKING                        |
| 0523-NPT-I                           | 1 of 1 | 2   |               | No. "X" A2EX, D1EX, A2EX FHC & EXCG INNER       |
| 0531 - VRTX                          | 1 of 1 | 5   |               | No. "X" VRTX GLAND ASSEMBLY                     |
| 0531-SWA-ASSY                        | 1 of 1 | 4   |               | No. "X" VRTX – SWA GLAND ASSEMBLY               |
| 0547 - ASSY                          | 1 of 1 | 8   |               | No. "X" Ex de CORROSION GUARD                   |
| 0554L-ASSY                           | 1 of 1 | 2   |               | No. "X" UNITE <sub>x</sub> -D COMBINATION GLAND |
| 0560-IS                              | 1 of 1 | 1   |               | No. "X" E1EX~QS INNER SEAL                      |
| 0560-VX-IS                           | 1 of 1 | -   |               | No. "X" E1EX~VX INNER SEAL                      |
| 0587-ASSY                            | 1 of 1 | 6   |               | No. "X" UNITE <sub>x</sub> -F~QS GLAND ASSY.    |
| 0589 - ASSY                          | 1 of 1 | 1   |               | TMCX ASSEMBLY                                   |
| 0589-B                               | 1 of 1 | 1   |               | TMCX BODY                                       |
| 0589-CN                              | 1 of 1 | 1   |               | TMCX COUPLING NUT                               |
| 0589-I                               | 1 of 1 | 1   |               | TMCX INNER METRIC                               |
| 0589-I-NPT                           | 1 of 1 | 1   |               | TMCX INNER NPT                                  |
| 0591-ASSY                            | 1 of 1 | 5   |               | No. "X" UNITE <sub>x</sub> -E GLAND ASSY        |
| 057000-16 - 057010                   | 1 of 1 | 6   |               | No. "X" CXe GLAND ASSEMBLY                      |