



# 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](http://www.iecex.com)

Certificate No.: **IECEx ExTC 22.0004X**

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Certificate history:

Status: **Current**

Issue No: 3

[Issue 2 \(2023-09-18\)](#)

[Issue 1 \(2022-09-16\)](#)

[Issue 0 \(2022-05-27\)](#)

Date of Issue: 2023-11-28

Applicant: **CMI Electrical Products**  
Unit F3, 3 - 29 Birnie Avenue  
Lidcombe 2141  
**Australia**

Equipment: **CMI 300/425A 660V/1100V Bolted Range of Cable Coupling Devices**

Optional accessory:

Type of Protection: **Flameproof Ex "d"**

Marking: **Ex db I Mb**  
**IP66**

Approved for issue on behalf of the IECEx  
Certification Body:

**James Bes**

Position:

**Certification Authority**

Signature:  
(for printed version)

Date:  
(for printed version)

**2023-11-28**

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](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**Ex Testing and Certification Pty Ltd**  
1/30 Kennington Drive  
Tomago NSW 2322  
**Australia**



TESTING & CERTIFICATION



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Manufacturer: **CMI Electrical Products**  
Unit F3, 3 - 29 Birnie Avenue  
Lidcombe 2141  
**Australia**

Manufacturing  
locations: **CMI Electrical Products**  
Unit F3, 3 - 29 Birnie Avenue  
Lidcombe 2141  
**Australia**

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](#) Explosive atmospheres - Part 0: Equipment - General requirements  
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"  
Edition:7.0

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:

[AU/ExTC/ExTR22.0013/00](#)

[AU/ExTC/ExTR22.0038/00](#)

Quality Assessment Report:

[AU/TSA/QAR11.0009/09](#)



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## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

The 300/425 Amp 660/1100V Bolted Range of Cable Coupling Devices is manufactured from high tensile brass type C86500, and provides an electrical ratings of 300 / 425 A a.c. at 660 / 1100 V. The equipment is manufactured by CMI Electrical Products and also known as Minto Industrial Products (M.I.P). These are meant to couple with separately certified coupling devices designed according to AS/NZS 1300.

Refer to the Annex for more details

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

Refer to Annex for details.



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

Refer to Annex



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**Additional information:**

ExTC Job : 23114

**Annex:**

[IECEx ExTC 22.0004X-3 - IECEx Certificate Annex Final.pdf](#)

 <h1 style="text-align: center;">IECEX Certificate of Conformity</h1> <h2 style="text-align: center;">Annex</h2>		 <p style="text-align: center; font-size: small;">TESTING &amp; CERTIFICATION</p>	
<b>Annex to Certificate No.:</b>	<b>IECEX ExTC 22.0004X</b>	<b>Issue No.:</b>	<b>3</b>

**Description: (continued from certificate)**



The coupler and adaptor/end cover are retained by four M12 screws and nuts. The complete assembly consists of a bolted coupler and adaptor, which has three power conducting (phase) sockets and one pilot circuit socket. The equipment is only intended for use in AC power supply circuits.

The equipment is marked with part numbers as described in the table below. These part numbers correspond to two types of couplers namely AA##4T and AA##4T2 and the AB##4T Adaptor. The AA##4T will incorporate the No 2, No. 3, No 4 and No. 5 cable glands certified under IECEx TSA 13.0009U while the AA##4T2 includes an integral compression cable gland assembly. Refer to respective drawing No. F-863, F-864 and F-865 for details.

The complete assembly of the Adaptor and Coupler has an IP66 rating.

Part No	Description
AA364T	300A 660V BOLTED COUPLER BODY SIZE B – MACHINED INTERIOR
AA314T	300A 1100V BOLTED COUPLER BODY SIZE B – MACHINED INTERIOR
AA464T	425A 660V BOLTED COUPLER BODY SIZE B – MACHINED INTERIOR
AA414T	425A 1100V BOLTED COUPLER BODY SIZE B – MACHINED INTERIOR
AA364T2	300A 660V BOLTED COUPLER INT.GLAND BODY SIZE B – MACHINED INTERIOR
AA314T2	300A 1100V BOLTED COUPLER INT.GLAND BODY SIZE B – MACHINED INTERIOR
AA464T2	425A 660V BOLTED COUPLER INT.GLAND BODY SIZE B – MACHINED INTERIOR
AA414T2	425A 1100V BOLTED COUPLER INT.GLAND BODY SIZE B – MACHINED INTERIOR
AB364T	300A 660V BOLTED ADAPTOR BODY SIZE B – MACHINED INTERIOR
AB314T	300A 1100V BOLTED ADAPTOR BODY SIZE B – MACHINED INTERIOR
AB464T	425A 660V BOLTED ADAPTOR BODY SIZE B – MACHINED INTERIOR
AB414T	425A 1100V BOLTED ADAPTOR BODY SIZE B – MACHINED INTERIOR
F-89237	END COVER
F-89237D	END COVER WITH DIODE

The changes in standards associated with the component certificate IECEx TSA 13.0009U have been reviewed and there are no changes which affect the compliance of the component with the standards listed on this certificate.

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<b>Annex to Certificate No.:</b>	<b>IECEX ExTC 22.0004X</b>	<b>Issue No.:</b>	<b>3</b>

**Specific Conditions of Use:**

1. The special fasteners used to assemble the end cover, coupler and adaptor and to mount the adaptor to the Ex d enclosure shall be of minimum grade A\*-70 Stainless Steel (yield stress 450 MPa) or 4.6 Mild Steel (yield stress 240 MPa).
2. The special fasteners used to assemble the cable gland clamping cap shall be M10 x 40 button head screws and shall be of minimum grade A\*-70 Stainless Steel (yield stress 450 MPa) or 4.6 Mild Steel (yield stress 240 MPa).
3. When the adaptor is not joined to a coupler the adaptor shall be blanked by the end blanking cover.
4. The flange flamepath used to assemble the adaptor to flameproof enclosures shall be of minimum width 12.5mm and maximum gap 0.4mm and a surface roughness Ra of 6.3µm or better.



**Manufacturer's Documents pertaining to this Issue of the Certificate:**

Title:	Drawing No.:	Pages	Rev. Level:	Date:
300/425A 660/1100V BOLTED COUPLER BODY SIZE B – MACHINED INTERIOR	F-863	1	B	2022-08-03
*300/425A 660/1100V BOLTED COUPLER INT.GLAND BODY SIZE B – MACHINED INTERIOR	F-864	1	C	2023-10-06
300/425A 660/1100V BOLTED ADAPTOR BODY SIZE B – MACHINED INTERIOR	F-865	1	B	2022-08-03
300/425A BLANKING COVER WITH DIODE BODY SIZE B	F-866	1	A	2022-04-06
Instructions for Body Size B Bolted Range	Inst. Body Size B - 1	3	B	2022-09-14

*Note: An \* is included before the title of documents that are new or revised.*

**Variations permitted by Issue 1 of this certificate:**

- In reference to the pins and sockets on the drawings, the standard AS1565-1997 has been corrected to AS1567-1997.
- The material for the pilot socket has changed from Copper C14700 to Brass C38500
- The quantity of the earth ring fasteners has increased from two to three.

		<h1>IECEX Certificate of Conformity</h1> <h2>Annex</h2>		 <small>TESTING &amp; CERTIFICATION</small>
Annex to Certificate No.:	IECEX ExTC 22.0004X	Issue No.:	3	

**Variations permitted by Issue 2 of this certificate:**

Change of Applicant and Manufacturer location to new facility

**Variations permitted by Issue 3 of this certificate:**

Minor drawing revision which does not impact the explosion protection properties.