



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

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX TSA 13.0009U** Page 1 of 4 [Certificate history:](#)
Issue 0 (2013-12-02)

Status: **Current** Issue No: 1

Date of Issue: 2023-09-22

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

Ex Component: No. 2 to No. 5 Glands and Accessories

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Ex d I Mb**

Marking: CMI or MIP or trade mark

Model number: _____
Ex d I Mb

IECEX TSA 13.0009U

Approved for issue on behalf of the IECEx
Certification Body:

Debbie Wouters

Position:

Acting Quality & Certification Manager

Signature:
(for printed version)

Date:
(for printed version)

22nd September 2023

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:

TestSafe Australia
919 Londonderry Road
Londonderry NSW 2753
Australia





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Date of issue: 2023-09-22

Issue No: 1

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

Manufacturing
locations:

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 component 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 60079-0:2011](#) Explosive atmospheres - Part 0: General requirements
Edition:6.0

[IEC 60079-1:2007](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6

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 component listed has successfully met the examination and test requirements as recorded in:

Test Report:

[AU/TSA/ExTR13.0009/00](#)

Quality Assessment Report:

[AU/TSA/QAR11.0009/08](#)



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Ex Component(s) covered by this certificate is described below:

The No. 2 to No. 5 armoured and non armoured glands and bolted gland caps are manufactured from brass (grade C86500). The bolted gland cap compresses the gland sealing element effectively sealing the cable in the gland. The threaded and spigot gland adaptors are also manufactured from brass (grade C86500). The thread gland adaptors are fitted with threaded entries range from M25 to M110. The spigot gland adaptor has a spigot designed to fit the No. 2 to No. 5 glands. The equipment is manufactured by CMI Electrical Products and also known as Minto Industrial Products (M.I.P).

Refer to attached Annexe IECEx TSA 13.0009U for details.

SCHEDULE OF LIMITATIONS:

Refer to attached Annexe IECEx TSA 13.0009U for details.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variations Permitted by Issue 1:

Applicant and Manufacturer address has been relocated to Unit F3, 3 - 29 Birnie Avenue, Lidcombe NSW 2141 Australia, previously 18-20 Railway Road, Meadowbank NSW 2114 Australia.

Annex:

[Annexe_IECEx TSA 13.0009U-1_1.pdf](#)



IECEx Certificate of Conformity Annexe

Annexe for Certificate No.:	IECEx TSA 13.0009U	Issue No.:	1
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Equipment description continue

The gland is bolted to the coupler/adaptor or spigot gland adaptor by two M10/M12 socket head cap screws, or studs/nuts. The complete assembly consists of a spigot joint flame path consisting of two individual parts; cylindrical and plane.

The special fasteners, studs and nuts used to assemble the gland cap, coupler/adaptor and/or spigot gland adaptor shall be either mild steel of grade 4.6 or stainless steel to grade A*-70 (minimum yield stress 240 MPa).

Table 1: Summary of Certified Equipment - Part Number List

Part Number	Description
F-4087#	No. 2 gland
F-4088#	No. 3 gland
F-3393#	No. 4 gland
F-3222#	No. 5 gland
F-4649-##	Threaded gland adaptor
F-3370	Spigot gland adaptor
F-4617-##	Threaded gland adaptor

TYPE

- T= TRS
- A= ARMoured
- P= PAPER LEAD (for No. 2 & No. 3 gland only)

Threaded entry size from 25 to 110

Schedule of Limitation:

1. The width of flame path flange joint between the gland base casing or spigot gland adaptor and the Ex d adaptor/coupler/enclosure shall be with spigot joint flame path: minimum width $L = 12.5$ mm and maximum gap $i = 0.4$ mm. Refer to the manufacturer's drawings for details.
2. IP66/IP68 (2 metres for 30 minutes) when the gland / gland Adaptor bolted with same/higher IP rating Ex d adaptor/coupler/plug/enclosure.

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IECEX Certificate of Conformity Annexe

Annexe for Certificate No.:	IECEX TSA 13.0009U	Issue No.:	1
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Drawing list pertaining to Issue 1 of this Certificate:

Document No.	Sheets	Document Title	Issue	Date (yyyy/mm/dd)
F-4087	1	No. 2 GLAND ASSY	Original	2013-04-04
F-4088	1	No. 3 GLAND ASSY	Original	2013-04-04
F-3393	1	No. 4 GLAND ASSY	Original	2013-04-04
F-3222	1	No. 5 GLAND ASSY	Original	2013-04-04
F-4649	1	THREADED GLAND ADAPTOR	Original	2013-04-04
F-3370	1	SPIGOT GLAND ADAPTOR	Original	2013-10-17
F-4617	1	THREADED GLAND ADAPTOR	Original	2013-10-17

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

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