



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 SIM 20.0008X** Page 1 of 5 [Certificate history:](#)
Issue 0 (2021-07-20)

Status: **Current** Issue No: 1

Date of Issue: 2024-12-04

Applicant: **AusProof Pty Ltd**
6 Shona Avenue
GLADSTONE QLD 4680
Australia

Equipment: **Flameproof 11kV Coupler, Adaptor and End Cover Type Ex118B**

Optional accessory:

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

Marking: **Ex db I Mb**

Approved for issue on behalf of the IECEx
Certification Body:

Geoffrey Barnier

Position:

Principal Engineer - Certification

Signature:
(for printed version)



Date:
(for printed version)

4 December 2024

1. This certificate and schedule may only be reproduced in full.
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Certificate issued by:

Safety in Mines Testing and Research Station (Simtars)
2 Robert Smith Street, REDBANK QLD 4301
Australia

Simtars



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Manufacturer: **AusProof Pty Ltd**
6 Shona Avenue
GLADSTONE QLD 4680
Australia

Manufacturing
locations: **AusProof Pty Ltd**
6 Shona Avenue
GLADSTONE QLD 4680
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/SIM/ExTR20.0008/00](#)

[AU/SIM/ExTR20.0008/01](#)

Quality Assessment Report:

[AU/SIM/QAR20.0001/04](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The Bolted couplers/adaptors are rated at 11 kV 800 A and manufactured in high tensile brass or 304 stainless steel. The coupler consists of a main body and integral armoured or non-armoured gland. The adaptor consists of the same main coupler body and adaptor housing which bolts directly to a separately certified Ex d enclosure. The contact face of the main body is either bolted directly to the contact face of another coupler main body or an end cover. Separate phase connector sockets are used to provide phase to phase connection between coupler bodies. The voids within the gland and adaptor chambers are filled with compound to remove air voids.

SPECIFIC CONDITIONS OF USE: YES as shown below:

In accordance with clause 11.3 of IEC 60079-1:2014, the following fastener property class shall apply:

- Fixing adaptor to enclosure: property class $\geq 4.6^*$
- Fixing two half couplers or coupler and adaptor together: property class ≥ 8.8
- Fixing gland housing to coupler body: property class ≥ 8.8
- Fixing adaptor flange to coupler body: property class $\geq A2-70$
- Fixing replaceable flange to coupler body: property class ≥ 8.8

*Note: specified fastener property class to be greater than or equal to the fastener property class specified for the enclosure.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1:

- Amended tolerances.
- Amended thread depths and lengths.
- Amended joint lengths and gap
- Other minor amendments



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Additional information:

The bolted couplers were also assessed, tested and certified under the ANZEx scheme (ANZEx 13.2007X) as Type A bolted couplers as defined in AS/NZS1300:2009.

Annex:

[IECEX SIM 20.0008X-1 Ex118B Annex.pdf](#)



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Annex

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Manufacturer's documents:
Drawings associated with this Issue:

| Drawing No | Pages | Subject | Rev. | Date |
|---------------------------------|-------|-------------------------------------|------|------------|
| Ex118B Drawings | | | | |
| *Ex118B – 001 | 1 | BODY | 8 | 15/08/24 |
| *Ex118B – 002 | 1 | LIVE LINE INDICATOR | 7 | 20/11/24 |
| *Ex118B – 003 | 1 | ARMoured GLAND | 5 | 20/11/24 |
| *Ex118B – 004 | 1 | UNARMoured GLAND | 5 | 20/11/24 |
| *Ex118B – 005 | 1 | ADAPTOR FLANGE | 2 | 18/11/24 |
| Ex118B – 006 | 1 | INSULATED END COVER | 5 | 07/07/21 |
| Ex118B – 007 | 1 | CONTACT PINS | 0 | 26/09/12 |
| Ex118B – 008 | 1 | FASTENER & MATERIAL SCHEDULE | 6 | 7/10/2020 |
| * Ex118B – 009 | 1 | BODY WITH REPLACEABLE FLANGE | 5 | 18/11/2024 |
| Ex118B - 010 | 1 | BODY WITH REPLACEABLE FLANGE | 2 | 29/1/2021 |
| *Ex118B – 011 | 1 | LED LIVE LINE INDICATOR | 4 | 20/11/2024 |
| *Ex118B – 012 | 1 | PRODUCT MARKING LABELS | 2 | 15/08/24 |
| Ex118B Customer Drawings | | | | |
| *Ex118B – C001 | 1 | BODY (CUSTOMER COPY) | 4 | 15/08/24 |
| *Ex118B – C002 | 1 | LIVE LINE INDICATOR (CUSTOMER COPY) | 4 | 20/11/24 |
| *Ex118B – C003 | 1 | ARMoured GLAND (CUSTOMER COPY) | 3 | 20/11/24 |
| *Ex118B – C004 | 1 | UNARMoured GLAND (CUSTOMER COPY) | 3 | 20/11/24 |
| *Ex118B – C005 | 1 | ADAPTOR FLANGE (CUSTOMER COPY) | 1 | 18/11/24 |
| *Ex118B – C006 | 1 | INSULATED END COVER (CUSTOMER COPY) | 4 | 18/08/24 |
| Ex118B – C008 | 1 | FASTENER (CUSTOMER COPY) | 6 | 5/8/2020 |

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| Drawing No | Pages | Subject | Rev. | Date |
|------------------|-------|---|------|------------|
| *Ex118B – C009 | 1 | BODY WITH REPLACEABLE FLANGE (CUSTOMER COPY) | 3 | 18/11/2024 |
| Ex118B – C010 | 1 | BODY WITH REPLACEABLE FLANGE (CUSTOMER COPY) | 1 | 30/07/2020 |
| *Ex118B – C011 | 1 | LED LIVE LINE INDICATOR (CUSTOMER COPY) | 4 | 20/11/2024 |
| *Ex118B – C012 | 1 | PRODUCT MARKING LABELS (CUSTOMER COPY) | 2 | 18/08/24 |
| TM_504 Section 2 | 26 | Technical Manual Ex118B | 2 | 06/07/2021 |
| TM_505 Section 2 | 26 | 11kV 800AMP Flameproof Stainless Steel Coupler Ex118BSS-Range | 5 | 06/07/2021 |
| TM_506 Section 2 | 26 | 11kV 800AMP Flameproof Removable Flange Coupler Ex118BSSRF-Range | 4 | 06/07/2021 |

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

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