

# Certificate of Conformity

## Ex EQUIPMENT

Certificate No.:	<b>ANZEx 13.2007X</b>	Current Issue:	6	Date of Issue:	2024-12-04
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**Applicant:** **Ausproof Pty Ltd**  
6 Shona Avenue  
GLADSTONE QLD 4680  
AUSTRALIA

**Equipment:** EX118B Flameproof 11kV Coupler, Adaptor and End Cover

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

**Explosion Protection Marking:** Ex d I Mb Type A

*This certificate is granted subject to the requirements as set out in  
Joint Accreditation System of Australia and New Zealand Publications  
ANZEx System Rules 2020 & ANZEx Certified Equipment Scheme Rules 2021*

Signed for and on behalf of issuing body

Name & Position

  
Geoff Barnier  
Principal Engineer - Certification

*This certificate is not transferable and remains the property of the issuing body.*

*The status of this certificate can be confirmed through the database located at [www.anzex.com.au](http://www.anzex.com.au)*

Certificate issued by:

Safety in Mines, Testing and Research Station  
2 Robert Smith Street, REDBANK QLD 4301

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**Manufacturer :** **Ausproof Pty Ltd**  
6 Shona Avenue  
GLADSTONE QLD 4680  
AUSTRALIA

**Manufacturing Location(s):** **Ausproof Pty Ltd**  
6 Shona Avenue  
GLADSTONE QLD 4680  
AUSTRALIA

### 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:*

**AS/NZS 1300: 2009** Electrical equipment for mines and quarries Bolted explosion-protected three-phase cable coupling devices (Including Amendment 1, March 2012)

*This Certificate does not indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.*

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### Schedule

#### Equipment Description:

The Ex118B Flameproof 11kV Bolted Coupler, Adaptor and End Cover are rated at 11 kV 800 A and manufactured in either high tensile brass or stainless steel. The coupler consists of a main body and integral armoured or non-armoured gland. The adaptor consists of the same main body and adaptor flange 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 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.

#### Models in the Range

Model Number	Manufacturing Material
EX118B	High tensile brass
EX118BSS	Stainless Steel AISI 304
EX118BSSRF	Stainless Steel with replaceable flange

#### Electrical Ratings/Parameters

11 kV, 800 A

#### Specific Conditions of Use:

- In accordance with clause 11.3 of AS/NZS 60079-1:2015, the following fastener property class shall apply:
  - Fixing two half couplers or coupler and adaptor together: property class  $\geq 8.8$
  - Fixing gland housing to coupler body: property class  $\geq 8.8$
  - Fixing adaptor flange to coupler body: property class  $\geq A2-70$
  - Fixing replaceable flange to coupler body: property class  $\geq 8.8$
  - Fixing adaptor to Ex d enclosure: property class  $\geq 4.6$ , or greater than or equal to the fastener property class specified for the Ex enclosure, whichever is the greater

#### Conditions of Certification:

None

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**Manufacturer's Documents/Drawings associated with this issue:**

Document/Drawing Title	Document/Drawing Number	Pages / Sheets	Revision	Date
<b>Ex118B Drawings</b>				
* BODY	Ex118B – 001	1	8	15/08/24
* LIVE LINE INDICATOR	Ex118B – 002	1	7	20/11/24
* ARMOURED GLAND	Ex118B – 003	1	5	20/11/24
* UNARMOURED GLAND	Ex118B – 004	1	5	20/11/24
* ADAPTOR FLANGE	Ex118B – 005	1	2	18/11/24
* INSULATED END COVER	Ex118B – 006	1	5	07/07/21
CONTACT PINS	Ex118B – 007	1	0	26/09/12
FASTENER & MATERIAL SCHEDULE	Ex118B – 008	1	6	7/10/2020
* BODY WITH REPLACEABLE FLANGE	Ex118B – 009	1	5	18/11/2024
BODY WITH REPLACEABLE FLANGE	Ex118B - 010	1	1	25/5/2015
* LED LIVE LINE INDICATOR	Ex118B – 011	1	4	20/11/2024
* PRODUCT MARKING LABELS	Ex118B – 012	1	2	15/08/24
<b>Ex118B Customer Drawings</b>				
* BODY (CUSTOMER COPY)	Ex118B – C001	1	4	15/08/24
* LIVE LINE INDICATOR (CUSTOMER COPY)	Ex118B – C002	1	4	20/11/24
* ARMOURED GLAND (CUSTOMER COPY)	Ex118B – C003	1	3	20/11/24
* UNARMOURED GLAND (CUSTOMER COPY)	Ex118B – C004	1	3	20/11/24
* ADAPTOR FLANGE (CUSTOMER COPY)	Ex118B – C005	1	1	18/11/24
* INSULATED END COVER (CUSTOMER COPY)	Ex118B – C006	1	4	18/08/24
FASTENER (CUSTOMER COPY)	Ex118B – C008	1	6	5/8/2020
* BODY WITH REPLACEABLE FLANGE (CUSTOMER COPY)	Ex118B – C009	1	3	18/11/2024
BODY WITH REPLACEABLE FLANGE (CUSTOMER COPY)	Ex118B – C010	1	1	30/07/2020
* LED LIVE LINE INDICATOR (CUSTOMER COPY)	Ex118B – C011	1	4	20/11/2024
* PRODUCT MARKING LABELS (CUSTOMER COPY)	Ex118B – C012	1	2	18/08/24
Technical Manual Ex118B Flameproof 11kV Coupler, Adaptor and End Cover	TM_504 Section 2	26	2	08.10.20
11kV 800AMP Flameproof Stainless Steel Coupler Ex118BSS-Range	TM_505 Section 2	26	5	08/10/2020
11kV 800AMP Flameproof Removable Flange Coupler Ex118BSSRF-Range	TM_506 Section 2	26	4	08/10/2020

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

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**Additional Information:**

1. Routine testing must be carried out by the manufacturer in accordance with clause 3.2 of AS/NZS 1300:2009.

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### Register of Issues and Variations

includes the current issue

#### **Issue 0 dated 2013-04-05**

##### Standards relevant for this issue:

**AS/NZS 1300: 2009** Electrical equipment for mines and quarries Bolted explosion-protected three-phase cable coupling devices (Including Amendment 1, March 2012)

##### Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs: NE13/0007; Simtars  
QAR No. & Issuing CB: E12/0008; Simtars  
File Reference: 08/0202

#### **Issue 1 dated 2014-12-18**

##### Standards relevant for this issue:

**AS/NZS 1300: 2009** Electrical equipment for mines and quarries Bolted explosion-protected three-phase cable coupling devices (Including Amendment 1, March 2012)

##### Variations Permitted by this Issue

- Option of manufacturing the coupler / adaptor / end cover in stainless steel AISI 304.
- New model identification created for stainless steel option: EX118BSS.
- Option of manufacturing the internal retaining ring in zinc ASTM B418-12 on the stainless steel models.

##### Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs: NE14/0051; Simtars  
QAR No. & Issuing CB: E14/0006; Simtars  
File Reference: 14/0132

#### **Issue 2 dated 2015-03-05**

##### Standards relevant for this issue:

**AS/NZS 1300: 2009** Electrical equipment for mines and quarries Bolted explosion-protected three-phase cable coupling devices (Including Amendment 1, March 2012)

##### Variations Permitted by this Issue

- Inclusion of live line bung option. The bung can be manufactured in either stainless steel or brass and may be fitted as an alternative to the live line indicator for both models.

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Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs: NE15/0002; Simtars  
 QAR No. & Issuing CB: E14/0006; Simtars  
 File Reference: 15/0002

**Issue 3 dated 2015-07-10**Standards relevant for this issue:

**AS/NZS 1300: 2009** Electrical equipment for mines and quarries Bolted explosion-protected three-phase cable coupling devices  
 (Including Amendment 1, March 2012)

Variations Permitted by this Issue

- Model option that provides a replaceable flamepath flange on the face of the stainless steel coupler body.

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs: NE15/0008; Simtars  
 QAR No. & Issuing CB: E15/0002; Simtars  
 File Reference: 15/0034

**Issue 4 dated 2020-10-12**Standards relevant for this issue:

**AS/NZS 1300: 2009** Electrical equipment for mines and quarries Bolted explosion-protected three-phase cable coupling devices  
 (Including Amendment 1, March 2012)

Variations Permitted by this Issue

- Up-issue of applied standard AS/NZS 60079-0:2012 to AS/NZS 60079.0:2019.
- Up-issue of applied standard AS/NZS 60079-1:2007 to AS/NZS 60079.1:2015 .
- Overpressure testing of bolted adaptor models to allow option of Grade 4.6 fasteners for attaching adaptor to an Ex d enclosure.
- Revision of certificate's conditions of use to include fastener property class.
- Inclusion of LED live line indicator option.

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs: NE20/0035; Simtars  
 QAR No. & Issuing CB: E17/0017; Simtars  
 File Reference: 20/0067

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**Issue 5 dated 2021-03-24**Standards relevant for this issue:

**AS/NZS 1300: 2009** Electrical equipment for mines and quarries Bolted explosion-protected three-phase cable coupling devices (Including Amendment 1, March 2012)

Variations Permitted by this Issue

- Change to IECEX QAR reference number.

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs: N/A  
QAR No. & Issuing CB: AU/SIM/QAR20.0001/00; Simtars  
File Reference: 08/0196

**Issue 6 dated 2024-12-04**Standards relevant for this issue:

**AS/NZS 1300: 2009** Electrical equipment for mines and quarries Bolted explosion-protected three-phase cable coupling devices (Including Amendment 1, March 2012)

Variations Permitted by this Issue

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

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs: NE240030Ex/01  
QAR No. & Issuing CB: AU/SIM/QAR20.0001/04; Simtars  
File Reference: 240030Ex