

# Certificate of Conformity

## Ex EQUIPMENT

Certificate No.:	<b>ANZEx 13.2007X</b>	Current Issue:	5	Date of Issue:	2021-03-24
------------------	-----------------------	----------------	---	----------------	------------

**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

# Certificate of Conformity

## Ex EQUIPMENT

Certificate No.:	<b>ANZEx 13.2007X</b>	Current Issue:	5	Date of Issue:	2021-03-24
------------------	-----------------------	----------------	---	----------------	------------

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

**Additional  
Manufacturing  
Location(s):** None

### 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.*

# Certificate of Conformity

## Ex EQUIPMENT

Certificate No.: **ANZEx 13.2007X**

Current Issue: 5

Date of Issue: 2021-03-24

### Schedule

#### Equipment Description:

The Ex118B Flameproof Bolted Coupler and Adaptor is rated at 11 kV, 800 A and is of cast brass construction. The coupler comprises a main body and a gland body fitted to it. The adaptor comprises the main body of the coupler and an adaptor flange fitted to it. The end cover is also of cast brass construction.

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 device is compound filled to remove 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

#### Additional Information:

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

# Certificate of Conformity

## Ex EQUIPMENT

Certificate No.: **ANZEx 13.2007X**      Current Issue: 5      Date of Issue: 2021-03-24

### Register of Issues and Variations

includes the current issue

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

#### Models in the Range

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

#### 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

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

Document/Drawing Number	Document/Drawing Title	Revision	Date
Ex118B-001	BODY	2	12/3/13
Ex118B-002	LIVE LINE INDICATOR	2	16/01/13
Ex118B-003	ARMOURED GLAND	2	12/3/13
Ex118B-004	UNARMOURED GLAND	2	12/3/13
Ex118B-005	ADAPTOR FLANGE	1	14/12/12
Ex118B-006	INSULATED END COVER	2	12/3/13
Ex118B-007	CONTACT PINS	0	26/09/12
Ex118B-008	FASTENER & MATERIAL SCHEDULE	2	16/01/13
Ex118B-C001	BODY (CUSTOMER COPY)	0	14/03/13
Ex118B-C002	LIVE LINE INDICATOR (CUSTOMER COPY)	0	14/03/13
Ex118B-C003	ARMOURED GLAND (CUSTOMER COPY)	0	14/03/13
Ex118B-C004	UNARMOURED GLAND (CUSTOMER COPY)	0	14/03/13
Ex118B-C005	ADAPTOR FLANGE (CUSTOMER COPY)	0	14/03/13
Ex118B-C006	INSULATED END COVER (CUSTOMER COPY)	0	14/03/13
Ex118B-C008	FASTENER SCHEDULE (CUSTOMER COPY)	0	14/03/13

# Certificate of Conformity

## Ex EQUIPMENT

Certificate No.: **ANZEx 13.2007X**

Current Issue: 5

Date of Issue: 2021-03-24

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

Manufacturer's Documents/Drawings associated with this issue:

Document/Drawing Number	Document/Drawing Title	Revision	Date
Ex118B-001	BODY	3	11/12/14
Ex118B-008	FASTENER & MATERIAL SCHEDULE	4	11/12/14
Ex118B-C001	BODY (CUSTOMER COPY)	1	11/12/14
Ex118B-C008	FASTENER & MATERIAL SCHEDULE	4	11/12/14

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

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

Manufacturer's Documents/Drawings associated with this issue:

Document/Drawing Number	Document/Drawing Title	Revision	Date
Ex118B - 002	LIVE LINE INDICATOR	3	11/02/15
Ex118B - C002	LIVE LINE INDICATOR (CUSTOMER COPY)	1	11/02/15

# Certificate of Conformity

## Ex EQUIPMENT

Certificate No.: **ANZEx 13.2007X**

Current Issue: 5

Date of Issue: 2021-03-24

**Issue 3 dated 2015-07-10**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

Manufacturer's Documents/Drawings associated with this issue:

Document/Drawing Number	Document/Drawing Title	Revision	Date
Ex118B - 001	BODY	4	11/05/15
Ex118B - 008	FASTENER & MATERIAL SCHEDULE	5	11/05/15
Ex118B - 009	BODY WITH REPLACEABLE FLANGE	2	12/5/2015
Ex118B - 010	BODY WITH REPLACEABLE FLANGE	1	12/5/2015
Ex118B - C008	FASTENER & MATERIAL SCHEDULE	5	11/05/15

**Issue 4 dated 2020-10-12**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

# Certificate of Conformity

## Ex EQUIPMENT

Certificate No.: **ANZEx 13.2007X**      Current Issue: 5      Date of Issue: 2021-03-24

Manufacturer's Documents/Drawings associated with this issue:

Document/Drawing Number	Pages	Document/Drawing Title	Revision	Date
<b>Certification Drawings</b>				
Ex118B – 001	1	BODY	5	07/10/20
Ex118B – 002	1	LIVE LINE INDICATOR	4	07/10/20
Ex118B – 006	1	INSULATED END COVER	3	07/10/20
Ex118B – 008	1	FASTENER & MATERIAL SCHEDULE	6	7/10/2020
Ex118B – 009	1	BODY WITH REPLACEABLE FLANGE	3	30/07/2020
Ex118B – 011	1	LED LIVE LINE INDICATOR	1	14/05/2020
TM_505	19	11kV 800AMP Flameproof Stainless Steel Coupler Ex118BSS-Range	4	08/10/2020
TM_506	19	11kV 800AMP Flameproof Stainless Steel Coupler Ex118BSS-Range	3	08/10/2020
TM_504	19	Technical Manual Ex118B Flameproof 11kV Coupler, Adaptor and End Cover	2	08.10.20
<b>Customer Drawings</b>				
Ex118B – C001	1	BODY (CUSTOMER COPY)	2	07/10/20
Ex118B – C006	1	INSULATED END COVER (CUSTOMER COPY)	1	07/10/20
Ex118B – C008	1	FASTENER (CUSTOMER COPY)	6	5/8/2020
Ex118B – C009	1	BODY WITH REPLACEABLE FLANGE (CUSTOMER COPY)	1	30/07/2020
Ex118B – C010	1	BODY WITH REPLACEABLE FLANGE (CUSTOMER COPY)	1	30/07/2020
Ex118B – C011	1	LED LIVE LINE INDICATOR (CUSTOMER COPY)	1	14/05/2020

**Issue 5 dated 2021-03-24**

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