ANZEx

Australian/New Zealand Certification Scheme
for Explosion Protected Equipment

Certificate of Conformity

Ex EQUIPMENT

Certificate No.: **ANZEx 16.2005X**	*Current Issue:* 7	*Date of Issue:* 2025-03-28

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

Equipment: Restrained Plugs and Receptacles for working voltages up to and including 3.3 kV

Type of Explosion Protection: Flameproof 'd'

Explosion Protection Marking: Ex db 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 *Ahmad Abdullah*
A/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

Certificate issued by:

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

JAS-ANZ
WWW.JAS-ANZ.ORG/REGISTER

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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 1299:2009	Electrical equipment for mines and quarries – Explosion-protected three-phase plugs and receptacles for working voltages up to and including 3.3 kV (including Amendment No. 1 dated 30 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 Ausproof range of plugs and receptacles are listed below. The plugs and receptacles are manufactured in either 304 stainless steel or high tensile brass and were assessed and tested as Type A restrained plugs and receptacles as defined in AS/NZS 1299:2009.

The assemblies employ explosion protection technique Ex d for both the contact chamber and the connection chamber within their design. Both the plug and receptacle consist of a main integral outer body housing which retains an adjustable cage arrangement used for the retention of the associated sockets or pins. The contact / pin interface between the plug and receptacle is achieved via a pawl arrangement which also maintains contact integrity.

Various base components used in the manufacture of the listed models are interchangeable between the various models.

Model identifiers for all the restrained plugs and receptacles

Plug Model Number	Receptacle Model Number		Back to Back Receptacle Model Number		Voltage rating (V)	Current rating (A)	No. of pins	Common Gland Mount	Common Gland Bracket	Common Body type
	Jack in Type	Quick release	Jack in Type	Quick release						
P664	R664	N/A	BB664	N/A	660	60	4	GMPES	GBPES	00 Extra small body
P164	R164	N/A	BB164	N/A	1100	60	4			
P614	R614	QRR614	BB614	QRBB614	660	150	4	GMPS	GBPS	01 (Small body)
P114	R114	QRR114	BB114	QRBB114	1100	150	4			
P334	R334	QRR334	BB334	QRBB334	3300	300	4	GMPL	GBPL	02 (Large body)
P634	R634	QRR634	BB634	QRBB634	660	300	4			
P134	R134	QRR134	BB134	QRBB134	1100	300	4			
P344	R344	QRR344	BB344	QRBB344	3300	425	4			
P644	R644	QRR644	BB644	QRBB644	660	425	4			
P144	R144	QRR144	BB144	QRBB144	1100	425	4			
P136	R136	QRR136	BB136	QRBB136	1100	300	6			
P336	R336	QRR336	BB336	QRBB336	3300	300	6			
P146	R146	QRR146	BB146	QRBB146	1100	425	6			
P346	R346	QRR346	BB346	QRBB346	3300	425	6			

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Electrical Ratings/Parameters

Refer table in Equipment description.

Specific Conditions of Use:

1. Flameproof joints are not intended to be repaired. Contact the original manufacturer for guidance and information on the dimensions of the flameproof joints.

Conditions of Certification:

None

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Manufacturer's Documents/Drawings associated with this issue:

Document Number	Pages / Sheets	Document Title	Revision	Date
		60 A Certification Drawings		
*ExRPR60-1000	1	60 Series Index	4	12/11/2020
*ExRPR60-1100	1	Common 60 Receptacle Body	5	18/12/2024
*ExRPR60-1101	1	Common 60 Plug Body	5	12/12/2024
*ExRPR60-1102	1	60 PLUG AND RECEPTACLE ENGAGED	4	12/11/2020
*ExRPR60-1103	1	60 FLAME PATH SPECIFICATIONS	4	12/11/2020
*ExRPR60-1104	1	Common 60 Gland Bracket	5	12/12/2024
*ExRPR60-1105	1	Common 60 Operating Mechanism	0	05/10/2022
*ExRPR60-1200	1	660V 60A 4 pin	5	05/03/2025
*ExRPR60-1201	1	1.1kV 60A 4 pin	4	12/11/2020
*ExRPR60-1300	1	60 O-RING SPECIFICATIONS	4	12/11/2020
*ExRPR60-1301	1	60 CAVITY VOLUME AND MIN PLUG ENGAGEMENT	4	12/11/2020
*ExRPR60-1302	1	60 CONDUCTOR CABLE INSERTION/HOLE DEPTHS	4	12/11/2020
*ExRPR60-1303	1	Common 60 Plug Cable Clamp Assembly	5	18/12/2024
*ExRPR60-1304	1	60 RECEPTACLE AND PLUG CAGE DIMENSIONS	4	12/11/2020
*ExRPR60-1305	1	Common 60 Pawl Assembly	4	12/11/2020
*ExRPR60-1306	1	CAGE LOCKING SCREW DETAIL	4	12/11/2020
*ExRPR60-1307	1	Material Schedule	4	12/11/2020
*ExRPR60-1308	1	Product marking labels	4	12/11/2020
*ExB2B60-1000	1	60 B2B Series Index	1	21/01/2019
*ExB2B60-1100	1	Common B2B Receptacle Body	1	23/01/2019
*ExB2B60-1101	1	Plug and B2B Body Engaged	1	23/01/2019
*ExB2B60-1102	1	Com 60 Operating Mech	0	12/12/2024
*ExB2B60-1200	1	1100V 60A 4 Pin	1	23/01/2019
*ExB2B60-1201	1	660V 60A 4 Pin	1	23/01/2019
*ExB2B60-1300	1	60 B2B O-Ring Specifications	1	23/01/2019
*ExB2B60-1301	1	60 B2B Cavity Volume Min Plug Engagement	1	23/01/2019

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Document Number	Pages / Sheets	Document Title	Revision	Date
*ExB2B60-1302	1	60 B2B PAWL SCREW DIMENSIONS	1	23/01/2019
*ExB2B60-1303	1	60 B2B CONTACT & INSULATOR ASSEMBLIES	1	23/01/2019
*ExB2B60-1304	1	60 B2B CAGE DIMENSIONS	1	23/01/2019
*ExB2B60-1305	1	FASTENER SCHEDULE	1	23/01/2019
*ExB2B60-1306	1	Product Marking Labels	1	12/11/2020
*TM_698 Section 2	14	Restrained Plugs And Receptacles PES Range Ex 60A	5	15/03/2021
		150 A Certification Drawings		
*ExRPR150M2-1000	1	150 Series Index	21	07/10/2020
*ExRPR150M2-1100	1	Common 150 Receptacle Body	21	07/10/2020
*ExRPR150M2-1101	1	Common 150 Plug Body	23	08/01/2025
*ExRPR150M2-1102	1	150 PLUG AND RECEPTACLE ENGAGED	21	07/10/2020
*ExRPR150M2-1103	1	150 FLAME PATH SPECIFICATIONS	21	07/10/2020
*ExRPR150M2-1105	1	Common 150 Gland Bracket	25	08/01/2025
*ExRPR150M2-1106	1	Common 150 Operating Mechanism	0	05/10/2022
*ExRPR150M2-1200	1	660V 150A 4 pin	21	07/10/2020
*ExRPR150M2-1201	1	1.1kV 150A 4 pin	21	07/10/2020
*ExRPR150M2-1300	1	150 O-RING SPECIFICATIONS	21	07/10/2020
*ExRPR150M2-1301	1	150 CAVITY VOLUME MIN PLUG ENGAGEMENT	21	07/10/2020
*ExRPR150M2-1302	1	150 CONDUCTOR CABLE INSERTION/HOLE DEPTHS	21	07/10/2020
*ExRPR150M2-1303	1	Common 150 Plug Cable Clamp Assembly	23	12/12/2024
*ExRPR150M2-1304	1	150 RECEPTACLE AND PLUG CAGE DIMENSIONS	21	07/10/2020
*ExRPR150M2-1305	1	Common 150 Pawl Assembly	21	07/10/2020
*ExRPR150M2-1306	1	CAGE LOCKING SCREW DETAIL	21	07/10/2020
*ExRPR150M2-1307	1	Material Schedule	21	07/10/2020

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Document Number	Pages / Sheets	Document Title	Revision	Date
*ExRPR150QR-1308	1	Common 150 Receptacle Body Quick Release	1	02/08/2017
*ExRPR150QR-1309	1	Common 150 QR Receptacle Body Rear Flamepath	1	02/08/2017
*ExRPR150M2-1310	1	Product marking labels	21	07/10/2020
*ExRPR150M2-1311	1	Common 150 Receptacle Ratchet Release	0	10/03/2022
*ExRPR150M2-1312	1	150 Receptacle Pin Lockout	0	07/03/2022
*ExRPR150M2-1313	1	150 Receptacle Deadlock	0	12/12/2024
*ExB2B150-1000	1	150 B2B Series Index	1	23/01/2019
*ExB2B150-1100	1	Common B2B Body	1	23/01/2019
*ExB2B150-1101	1	Plug And B2B Body Engaged	1	23/01/2019
*ExB2B150-1102	1	Common 150 Operating Mechanism	0	06/10/2022
*ExB2B150-1200	1	1100V 150A 4 Pin	1	23/01/2019
*ExB2B150-1201	1	600V 150A 4 Pin	1	23/01/2019
*ExB2B150-1300	1	150 B2B O-Ring Specifications	1	23/01/2019
*ExB2B150-1301	1	150 B2B Cavity Volume Min Plug Engagement	1	23/01/2019
*ExB2B150-1302	1	150 B2B PAWL SCREW DIMENSIONS	1	23/01/2019
*ExB2B150-1303	1	150 B2B CONTACT & INSULATOR ASSEMBLIES	1	23/01/2019
*ExB2B150-1304	1	150 B2B CAGE DIMENSIONS	1	23/01/2019
*ExB2B150-1305	1	COMMON 150 B2B QUICK RELEASE	1	23/01/2019
*ExB2B150-1306	1	FASTENER SCHEDULE	1	23/01/2019
*ExB2B150-1307	1	Product marking labels	1	23/01/2019
*ExB2B150-1308	1	Common 150 B2B Ratchet Release	0	12/12/2024
*ExB2B150-1309	1	150 B2B Pin Lockout	0	22/03/2022
*TM_702 Section 2	13	Restrained Plugs And Receptacles PS Range Ex 150A	4	15/03/2021

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		300/425 A Certification Drawings		
*ExRPR300M2-1000	1	300 Series Index	20	07/10/2020
*ExRPR300M2-1100	1	Common 300 Receptacle Body	20	07/10/2020
*ExRPR300M2-1101	1	Common 300 Plug Body	21	08/01/2025
*ExRPR300M2-1102	1	300 Plug And Receptacle Engaged	20	07/10/2020
*ExRPR300M2-1103	1	300 FLAME PATH SPECIFICATIONS	20	07/10/2020
*ExRPR300M2-1104	1	300 FLAME PATH SPECIFICATIONS	20	07/10/2020
*ExRPR300M2-1105	1	300 FLAME PATH SPECIFICATIONS	20	07/10/2020
*ExRPR300M2-1106	1	300 FLAME PATH SPECIFICATIONS	20	07/10/2020
*ExRPR300M2-1108	1	Common 300 Gland Bracket	23	08/01/2025
*ExRPR300M2-1109	1	Common 300 Operating Mechanism	0	05/10/2022
*ExRPR300M2-1200	1	660V 300A 4 Pin	20	07/10/2020
*ExRPR300M2-1201	1	660V 425A 4 Pin	20	07/10/2020
*ExRPR300M2-1202	1	1.1kV 300A 4 pin	20	07/10/2020
*ExRPR300M2-1203	1	1.1kV 300A 6 Pin	20	07/10/2020
*ExRPR300M2-1204	1	1.1kV 425A 4 Pin	20	07/10/2020
*ExRPR300M2-1205	1	1.1kV 425A 6 Pin	20	07/10/2020
*ExRPR300M2-1206	1	3.3kV 300A 4 pin	20	07/10/2020
*ExRPR300M2-1207	1	3.3kV 300A 6 Pin	20	07/10/2020
*ExRPR300M2-1208	1	3.3kV 425A 4 pin	20	07/10/2020
*ExRPR300M2-1209	1	3.3kV 425A 6 Pin	20	07/10/2020
*ExRPR300M2-1300	1	300 O-RING SPECIFICATIONS	20	07/10/2020
*ExRPR300M2-1301	1	300 CAVITY VOLUME MIN PLUG ENGAGEMENT	20	07/10/2020
*ExRPR300M2-1302	1	300 CONDUCTOR CABLE INSERTION/HOLE DEPTHS	20	07/10/2020

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*ExRPR300M2-1303	1	Common 300 Plug Cable Clamp Assembly	22	12/12/2024
*ExRPR300M2-1304	1	300 RECEPTACLE AND PLUG CAGE DIMENSIONS	20	07/10/2020
*ExRPR300M2-1305	1	300 RECEPTACLE AND PLUG CAGE DIMENSIONS	20	07/10/2020
*ExRPR300M2-1306	1	16-150mm^2 & 185mm^2 PHASE INSULATOR ASSEMBLY	20	07/10/2020
*ExRPR300M2-1307	1	Common 300 Pawl Assembly	20	07/10/2020
*ExRPR300M2-1308	1	CAGE LOCKING SCREW DETAIL	20	07/10/2020
*ExRPR300M2-1309	1	MATERIAL SCHEDULE	20	07/10/2020
*ExRPR300M2-1312	1	Product marking labels	20	07/10/2020
*ExRPR300M2-1313	1	Common 300 Receptacle Ratchet Release	0	12/12/2024
*ExRPR300M2-1316	1	300 Receptacle Pin Lockout	0	07/03/2022
*ExRPR300M2-1317	1	300 Receptacle Deadlock	0	12/12/2024
*ExRPR300QR-1310	1	Common 300 Receptacle Body Quick Release	1	02/08/2017
*ExRPR300QR-1311	1	Common 300 Receptacle Body Rear Flamepath	1	02/08/2017
*ExB2B300-1000	1	300 B2B Series Index	1	23/01/2019
*ExB2B300-1001	1	300 QR B2B Series Index	1	23/01/2019
*ExB2B300-1100	1	Common B2B Receptacle Body	1	23/01/2019
*ExB2B300-1101	1	Plug And B2B Body Engaged	1	23/01/2019
*ExB2B300-1102	1	Common 300 Operating Mechanism	0	06/10/2022
*ExB2B300-1200	1	660V 300A 4 Pin	1	23/01/2019
*ExB2B300-1201	1	660V 425A 4 Pin	1	23/01/2019
*ExB2B300-1202	1	1100V 300A 4 Pin	1	23/01/2019
*ExB2B300-1203	1	1100V 300A 6 Pin	1	23/01/2019
*ExB2B300-1204	1	1100V 425A 4 Pin	1	23/01/2019
*ExB2B300-1205	1	1100V 425A 6 Pin	1	23/01/2019

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*ExB2B300-1206	1	3300V 300A 4 Pin	1	23/01/2019
*ExB2B300-1207	1	3300V 300A 6 Pin	1	23/01/2019
*ExB2B300-1208	1	3300V 425A 4 Pin	1	23/01/2019
*ExB2B300-1209	1	3300V 425A 6 Pin	1	23/01/2019
*ExB2B300-1300	1	300 B2B O-Ring Specifications	1	23/01/2019
*ExB2B300-1301	1	300 B2B Cavity Volume Min Plug Engagement	1	23/01/2019
*ExB2B300-1302	1	300 B2B PAWL SCREW DIMENSIONS	1	23/01/2019
*ExB2B300-1303	1	300 B2B PILOT ASSEMBLIES	1	23/01/2019
*ExB2B300-1304	1	300 B2B PHASE ASSEMBLIES	1	23/01/2019
*ExB2B300-1305	1	300 B2B PHASE ASSEMBLIES	1	23/01/2019
*ExB2B300-1306	1	300 B2B CAGE DIMENSIONS	1	23/01/2019
*ExB2B300-1307	1	COMMON 300 B2B QUICK RELEASE	1	23/01/2019
*ExB2B300-1308	1	MATERIAL SCHEDULE	1	23/01/2019
*ExB2B300-1309	1	Product marking labels	1	23/01/2019
*ExB2B300-1310	1	Common 300 B2B Ratchet Release	0	12/12/2024
*ExB2B300-1311	1	300 B2B Pin Lockout	0	22/03/2022
*TM_473 Section 2	14	Restrained Plugs And Receptacles PL Range Ex 300/425A	15	15/03/2021
		60 A Customer Drawings		
*ExRPR60-C1000	1	60 Series Index CUSTOMER COPY	2	07/10/2020
*ExRPR60-C1100	1	Common 60 Receptacle Body CUSTOMER COPY	3	12/12/2024
*ExRPR60-C1101	1	Common 60 Plug Body CUSTOMER COPY	3	12/12/2024
*ExRPR60-C1102	1	60 PLUG AND REC'L ENGAGED CUSTOMER COPY	2	07/10/2020
*ExRPR60-C1103	1	60 FLAME PATH SPECIFICATIONS CUSTOMER COPY	2	07/10/2020

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*ExRPR60-C1104	1	Common 60 Gland Bracket CUSTOMER COPY	3	12/12/2024
*ExRPR60-C1105	1	Com 60 Operating Mech CUSTOMER COPY	0	05/10/2022
*ExRPR60-C1303	1	Common 60 Plug Cable Clamp Assembly CUSTOMER COPY	3	12/12/2024
*ExRPR60-C1307	1	Fastener Schedule CUSTOMER COPY	2	07/10/2020
*ExRPR60-C1308	1	Product marking labels CUSTOMER COPY	2	15/03/2022
*ExB2B60-C1000	1	60 B2B Series Index CUSTOMER COPY	0	05/02/2019
*ExB2B60-C1100	1	Common B2B Receptacle Body CUSTOMER COPY	0	05/02/2019
*ExB2B60-C1101	1	Plug And B2B Body Engaged CUSTOMER COPY	0	05/02/2019
**ExB2B60-C1102	1	Com 60 Operating Mech CUSTOMER COPY	0	06/10/2022
*ExB2B60-C1305	1	FASTENER SCHEDULE CUSTOMER COPY	0	05/02/2019
		150 A Customer Drawings		
*ExRPR150M2-C1000	1	150 Series Index CUSTOMER COPY	1	07/10/2020
*ExRPR150M2-C1100	1	Common 150 Receptacle Body CUSTOMER COPY	1	07/10/2020
*ExRPR150M2-C1101	1	Common 150 Plug Body CUSTOMER COPY	3	08/01/2025
*ExRPR150M2-C1102	1	150 PLUG AND RECEP'L ENGAGED CUSTOMER COPY	1	07/10/2020
*ExRPR150M2-C1103	1	150 FLAME PATH SPECIFICATIONS CUSTOMER COPY	1	07/10/2020
*ExRPR150M2-C1104	1	Com 150 QR Receptacle Body CUSTOMER COPY	1	07/10/2020
*ExRPR150M2-C1105	1	Common 150 Gland Bracket CUSTOMER COPY	4	08/01/2025
*ExRPR150M2-C1106	1	Com 150 Operating Mech CUSTOMER COPY	0	05/10/2022
*ExRPR150M2-C1303	1	Common 150 Plug Cable Clamp Assembly CUSTOMER COPY	3	12/12/2024
*ExRPR150M2-C1307	1	Fastener Schedule CUSTOMER COPY	1	07/10/2020

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*ExRPR150M2-C1310	1	Product marking labels CUSTOMER COPY	1	07/10/2020
*ExRPR150M2-C1311	1	Common 150 Receptacle RR CUSTOMER COPY	0	12/12/2024
*ExRPR150M2-C1312	1	150 Receptacle Pin Lockout CUSTOMER COPY	0	07/03/2022
*ExRPR150M2-C1313	1	150 Receptacle Deadlock CUSTOMER COPY	0	12/12/2024
*ExRPR150QR-C1308	1	150 QR Receptacle Body CUSTOMER COPY	0	14/02/2019
*ExRPR150QR-C1309	1	150 Receptacle Rear FLP CUSTOMER COPY	0	14/02/2019
*ExB2B150-C1000	1	150 B2B Series Index CUSTOMER COPY	0	05/02/2019
*ExB2B150-C1100	1	Common B2B Body CUSTOMER COPY	0	05/02/2019
*ExB2B150-C1101	1	Plug And B2B Body Engaged CUSTOMER COPY	0	05/02/2019
*ExB2B150-C1102	1	Com 150 Operating Mech CUSTOMER COPY	0	06/10/2022
*ExB2B150-C1305	1	COM 150 B2B Quick Release CUSTOMER COPY	0	05/02/2019
*ExB2B150-C1306	1	FASTENER SCHEDULE CUSTOMER COPY	0	05/02/2019
*ExB2B150-C1307	1	Product marking labels CUSTOMER COPY	0	05/02/2019
*ExB2B150-C1308	1	Common 150 B2B RR CUSTOMER COPY	0	12/12/2024
*ExB2B150-C1309	1	150 B2B Pin Lockout CUSTOMER COPY	0	22/03/2022
		300/425 A Customer Drawings		
*ExRPR300M2-C1000	1	300 Series Index CUSTOMER COPY	1	07/10/2020
*ExRPR300M2-C1100	1	Common 300 Receptacle Body CUSTOMER COPY	1	07/10/2020
*ExRPR300M2-C1101	1	Common 300 Plug Body CUSTOMER COPY	2	08/01/2025
*ExRPR300M2-C1102	1	300 Plug & Receptacle Engaged CUSTOMER COPY	1	07/10/2020
*ExRPR300M2-C1103	1	300 FLAME PATH SPECIFICATIONS CUSTOMER COPY	1	07/10/2020
*ExRPR300M2-C1104	1	300 FLAME PATH SPECIFICATIONS CUSTOMER COPY	1	07/10/2020

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Document Number	Pages / Sheets	Document Title	Revision	Date
*ExRPR300M2-C1105	1	300 FLAME PATH SPECIFICATIONS CUSTOMER COPY	1	07/10/2020
*ExRPR300M2-C1106	1	300 FLAME PATH SPECIFICATIONS CUSTOMER COPY	1	07/10/2020
*ExRPR300M2-C1107	1	Common QR 300 Receptacle Body CUSTOMER COPY	1	07/10/2020
*ExRPR300M2-C1108	1	Common 300 Gland Bracket CUSTOMER COPY	2	08/01/2025
*ExRPR300M2-C1109	1	Com 300 Operating Mech CUSTOMER COPY	0	05/10/2022
*ExRPR300M2-C1303	1	Common 300 Plug Cable Clamp Assembly CUSTOMER COPY	3	12/12/2024
*ExRPR300M2-C1306	1	16-150mm² & 185mm² PHASE INSULATOR ASSEMBLY CUSTOMER COPY	1	07/10/2020
*ExRPR300M2-C1309	1	FASTENER SCHEDULE CUSTOMER COPY	1	07/10/2020
*ExRPR300M2-C1312	1	Product marking labels CUSTOMER COPY	1	07/10/2020
*ExRPR300M2-C1313	1	Common 300 Receptacle RR CUSTOMER COPY	0	12/12/2024
*ExRPR300M2-C1316	1	300 Receptacle Pin Lockout CUSTOMER COPY	0	07/03/2022
*ExRPR300M2-C1317	1	300 Receptacle Deadlock CUSTOMER COPY	0	12/12/2024
*ExRPR300QR-C1310	1	300 QR Receptacle Body CUSTOMER COPY	1	07/10/2020
*ExRPR300QR-C1311	1	300 Receptacle Rear FLP CUSTOMER COPY	1	07/10/2020
*ExB2B300-C1000	1	300 B2B Series Index CUSTOMER COPY	0	05/02/19
*ExB2B300-C1001	1	300 QR B2B Series Index CUSTOMER COPY	0	05/02/19
*ExB2B300-C1100	1	Common B2B Receptacle Body CUSTOMER COPY	0	02/05/2019
*ExB2B300-C1101	1	Plug & B2B Body Engaged CUSTOMER COPY	0	02/05/2019
*ExB2B300-C1102	1	Com 300 Operating Mech CUSTOMER COPY	0	06/10/2022
*ExB2B300-C1307	1	300 B2B Quick Release CUSTOMER COPY	0	05/02/2019
*ExB2B300-C1308	1	MATERIAL SCHEDULE CUSTOMER COPY	0	02/05/2019

Certificate of Conformity
Ex EQUIPMENT

Certificate No.:	ANZEx 16.2005X	Current Issue: 7	Date of Issue: 2025-03-28

Document Number	Pages / Sheets	Document Title	Revision	Date
*ExB2B300-C1309	1	Product marking labels CUSTOMER COPY	0	02/05/2019
*ExB2B300-C1310	1	Common 300 B2B RR CUSTOMER COPY	0	12/12/2024
*ExB2B300-C1311	1	300 B2B Pin Lockout CUSTOMER COPY	0	12/12/2024

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

Additional Information:

1. The equipment was also tested and found to comply with the requirements of IP55 in accordance with AS 60529-2004.
2. Segregation between pilot pins and earth within the 60 A and 150 A receptacles comply with the requirements for voltages up to 160 V in accordance with AS/NZS 60079-7:2015 Table 2.
3. Ensure plug and receptacle are electrically bonded and earthed to ensure induced voltages are not developed.
4. The following referred standards were used in the verification of the equipment for compliance with AS/NZS 1299:2009:
   - AS/NZS 60079-0:2012 Explosive atmospheres - Part 0: Equipment - General requirements
   - AS/NZS 60079-1:2015 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures ‘d’
5. Additional temperature rise testing was conducted for an applied current of 80 A and 90 A at Ausproof’s request. Testing was conducted in accordance with clause 3.3.9 of AS/NZS 1299:2009. The acceptance criteria of 3.3.9.6(b) of AS/NZS 1299:2009 was applied: The highest temperature within the plug and receptacle shall not in an instance be greater than 45 K above ambient temperature. Temperature rise of plug/receptacle with respect to cable temperature could not be verified as the supplied cable (Olex 10 mm2 Type 241.0) was not rated for 80/90 A current.
6. In accordance with clause 11.3 of AS/NZS 60079-1:2015, the following fastener property class shall apply:
   - Fixing gland bracket to receptacle: property class ≥ 4.6
   - Fixing compression clamp: property class ≥ 12.9
   - Fixing receptacle to Ex d enclosure: property class ≥ 4.6, or greater than or equal to the fastener property class specified for the Ex enclosure, whichever is the greater

Certificate of Conformity
Ex EQUIPMENT

Certificate No.:	ANZEx 16.2005X	Current Issue: 7	Date of Issue:	2025-03-28

Register of Issues and Variations
includes the current issue

Issue 0 dated 2017-02-06

Standards relevant for this issue:

AS/NZS 1299:2009 Electrical equipment for mines and quarries – Explosion-protected three-phase plugs and receptacles for working voltages up to and including 3.3 kV (including Amendment No. 1 dated 30 March 2012)

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs: NE16/0033; Simtars
QAR No. & Issuing CB: E17/0022; Simtars
File Reference: 15/0152

Issue 1 dated 2017-11-24

Standards relevant for this issue:

AS/NZS 1299:2009 Electrical equipment for mines and quarries – Explosion-protected three-phase plugs and receptacles for working voltages up to and including 3.3 kV (including Amendment No. 1 dated 30 March 2012)

Variations Permitted by this Issue

- An addition of an O-ring groove and a sealing O-ring located on the receptacle flange on all receptacle models.
- An addition of a quick release receptacle model for the 150A, 300A and 425A range of receptacles identified with the prefix QR on the receptacle part number.

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs: NE16/0033, NE17/0027; Simtars
QAR No. & Issuing CB: E17/0005; Simtars
File Reference: 17/0067

Issue 2 dated 2018-10-12

Standards relevant for this issue:

AS/NZS 1299:2009 Electrical equipment for mines and quarries – Explosion-protected three-phase plugs and receptacles for working voltages up to and including 3.3 kV (including Amendment No. 1 dated 30 March 2012)

Variations Permitted by this Issue

- The addition of a smaller inside diameter gland sealing ring to existing 150A, 300A / 425A body range.
- The addition of a 60A-660V and a 60A-1100V plug and receptacle model to the range of plugs and receptacles.

Certificate of Conformity
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Certificate No.:	ANZEx 16.2005X	Current Issue: 7	Date of Issue:	2025-03-28

- The addition of a Gland Bracket and a Gland Mount bracket assembly to the range. Both the Gland Bracket and the Gland Mount assemblies provide an optional mounting arrangement for the associated Type A receptacle or may be bolted directly onto an enclosure's Type A receptacle mounting pad. Neither the Gland Bracket nor Gland Mount assemblies are directly fitted with contact pins or sockets. The only difference between the Gland Bracket and Gland Mount assemblies is that the Gland Mount is fitted with an O-ring and O-ring groove located in the rear flange while the Gland Bracket does not.

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs:	NE16/0033, NE17/0027, NE18/0017; Simtars
QAR No. & Issuing CB:	E17/0017; Simtars
File Reference:	17/0069

Issue 3 dated 2019-04-09

Standards relevant for this issue:

AS/NZS 1299:2009	Electrical equipment for mines and quarries – Explosion-protected three-phase plugs and receptacles for working voltages up to and including 3.3 kV (including Amendment No. 1 dated 30 March 2012)

Variations Permitted by this Issue

- A new range of back-to-back restrained receptacles has been added to the existing range of plugs and receptacles and further defined as:
- The back to back receptacles are of 60A, 150A, 300A and 425A body range with voltage ratings of 660V,1100V and 3300V.
- The back-to-back receptacles are essentially the already certified receptacles connected together to form a back to back with the following modifications:
    - The addition of a flange seal between the two back-to-back receptacles.
    - The addition of a base plate for supporting the back-to-back receptacle. The back-to-back receptacle are mounted on the base plate instead of the flange mounting as in the case of standard receptacles.
    - The addition of an earth bridging plate for bonding the back-to-back receptacles.
    - While the back-to-back receptacle essentially utilises the same joints as the standard receptacle, the number of joints identified as flame paths has been reduced to two.
    - The back-to-back receptacle is flameproof only when fitted with corresponding plugs.
    - Additional fasteners have been utilized for fastening the new components i.e. earth bridging plate, base plate, and for connecting the receptacle bodies together.
    - Previous star retaining plate replaced by a 4-Pin circular retaining plate.
    - The cage locking screw and internal earthing lug has been removed.
- The Gland Bracket and Gland Mount model ranges have been revised as follows:
    - The Gland Bracket and Gland Mount ranges have been reduced from thirteen to three models in each range
    - A new model identifier has been assigned to each model as listed in the description.
    - As brackets/mounting plates are not voltage or current dependent, the colour code has been removed.

Certificate of Conformity
Ex EQUIPMENT

Certificate No.: **ANZEx 16.2005X**	Current Issue: 7	Date of Issue: 2025-03-28

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs: NE16/0033, NE17/0027, NE18/0017, NE19/0002; Simtars
QAR No. & Issuing CB: E17/0017; Simtars
File Reference: 18/0012

Issue 4 dated 2020-10-09

Standards relevant for this issue:

AS/NZS 1299:2009 Electrical equipment for mines and quarries – Explosion-protected three-phase plugs and receptacles for working voltages up to and including 3.3 kV (including Amendment No. 1 dated 30 March 2012)

Variations Permitted by this Issue

- Up-issue of applied standards from AS/NZS 60079-0:2012 to AS/NZS 60079.0:2019
- Overpressure testing of receptacle and gland bracket models to allow option of Grade 4.6 fastener for mounting of receptacle to enclosure, and mounting of receptacle to gland bracket.
- Revision of certificate's conditions of use to include fastener property class

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs: NE16/0033, NE17/0027, NE18/0017, NE19/0002, NE20/0034; Simtars
QAR No. & Issuing CB: E17/0017; Simtars
File Reference: 18/0012

Issue 5 dated 2021-03-24

Standards relevant for this issue:

AS/NZS 1299:2009 Electrical equipment for mines and quarries – Explosion-protected three-phase plugs and receptacles for working voltages up to and including 3.3 kV (including Amendment No. 1 dated 30 March 2012)

Variations Permitted by this Issue

- Change to IECEx QAR reference number.

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs: NE16/0033, NE17/0027, NE18/0017, NE19/0002, NE20/0034; Simtars
QAR No. & Issuing CB: AU/SIM/QAR20.0001/00; Simtars
File Reference: 08/0196

Certificate of Conformity
Ex EQUIPMENT

Certificate No.: **ANZEx 16.2005X**	Current Issue: 7	Date of Issue: 2025-03-28

Issue 6 dated 2025-01-16 (Withdrawn)

Standards relevant for this issue:

AS/NZS 1299:2009	Electrical equipment for mines and quarries – Explosion-protected three-phase plugs and receptacles for working voltages up to and including 3.3 kV (including Amendment No. 1 dated 30 March 2012)

Variations Permitted by this Issue

- Change of the cable entry compression gland rubbers (sealing rings) to include a split.
- Change of cable gland compression clamps to include counterbores for protection of the compression clamp fastener heads. The revised cable gland compression clamps have a cable lead in entry radius of ≥ 3.0 mm.
- Addition of optional ratcheting mechanism for plug retaining pawl on jack in and quick release 150 A and 300/425 A receptacles. Models featuring the optional ratcheting mechanism are identified with an 'RR' suffix after the model number.
- Tolerance of 60 A gland bracket rear flange inside diameter changed from +0.00, -2.00 to ± 2.00 mm.
- ≤ 0.4 mm gap added to gland bracket drawings for gland bracket to receptacle flanged joint.
- ≤ 0.4 mm gap added to 60 A receptacle body drawings for receptacle to enclosure flanged joint.
- Correction of 60 A cable gland compression clamp fastener length from 35 mm to 30 mm on drawing ExRPR60-1303 to align with other drawings.
- Update of Compression Gland Part Sizes tables to include "To suit cable OD" column.
- Update of 60 A Compression Gland Part Sizes table to include 'Fastener Torque' column and increase of tightening torque for gland to suit 38 to 40 mm cable from 10 Nm to 20 Nm.
- Specification of "Thread to be lubricated" for gland compression clamp fasteners added to gland clamp assembly drawings.
- Change of thread depth for the 60 A cable gland compression clamp fastener holes tapped in the gland body from 24.0 +10.0, -3.0 mm to 25.0 +10.0, -0.5 mm.
- Change of thread depth tolerances for the 150 A cable gland compression clamp fastener holes tapped in the gland body from 30.0 ± 5.0 mm to 30.0 +5.0, -2.5 mm.
- Increase of gland compression washer thickness for 150 A 55-60 mm washers from 2.50 +0.50, 0.25 mm to 3.00 +0.50, -0.25 mm and decrease of washer I.D. from 65.0 ± 1.0 mm to 61.0 ± 1.0 mm.
- Increase of 300/425 A gland compression O.D. thickness tolerance from +0.25, -1.00 mm to ± 1.00 mm.
- Addition of pin lockout option for locking of the quick release of the 150 A & 300/425 A models.
- Addition of deadlock option for locking of the quick release of the 150 A & 300/425 A models.

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs:	NE16/0033, NE17/0027, NE18/0017, NE19/0002, NE20/0034, NE220030Ex/01; Simtars
QAR No. & Issuing CB:	AU/SIM/QAR20.0001/04; Simtars
File Reference:	220030Ex

Issue 7 dated 2025-03-28

Standards relevant for this issue:

AS/NZS 1299:2009	Electrical equipment for mines and quarries – Explosion-protected three-phase plugs and receptacles for working voltages up to and including 3.3 kV (including Amendment No. 1 dated 30 March 2012)

Certificate of Conformity
Ex EQUIPMENT

Certificate No.:	ANZEx 16.2005X	Current Issue: 7	Date of Issue:	2025-03-28

Variations Permitted by this Issue

- This issue replaces issue 6 of this certificate which was withdrawn due to issues with the test report NE220030Ex/01.
- Change of the cable entry compression gland rubbers (sealing rings) to include a split.
- Change of cable gland compression clamps to include counterbores for protection of the compression clamp fastener heads. The revised cable gland compression clamps have a cable lead in entry radius of ≥ 3.0 mm.
- Addition of optional ratcheting mechanism for plug retaining pawl on jack in and quick release 150 A and 300/425 A receptacles. Models featuring the optional ratcheting mechanism are identified with an 'RR' suffix after the model number.
- Tolerance of 60 A gland bracket rear flange inside diameter changed from +0.00, -2.00 to ± 2.00 mm.
- ≤ 0.4 mm gap added to gland bracket drawings for gland bracket to receptacle flanged joint.
- ≤ 0.4 mm gap added to 60 A receptacle body drawings for receptacle to enclosure flanged joint.
- Correction of 60 A cable gland compression clamp fastener length from 35 mm to 30 mm on drawing ExRPR60-1303 to align with other drawings.
- Update of Compression Gland Part Sizes tables to include "To suit cable OD" column.
- Update of 60 A Compression Gland Part Sizes table to include 'Fastener Torque' column and increase of tightening torque for gland to suit 38 to 40 mm cable from 10 Nm to 20 Nm.
- Specification of "Thread to be lubricated" for gland compression clamp fasteners added to gland clamp assembly drawings.
- Change of thread depth for the 60 A cable gland compression clamp fastener holes tapped in the gland body from 24.0 +10.0, -3.0 mm to 25.0 +10.0, -0.5 mm.
- Change of thread depth tolerances for the 150 A cable gland compression clamp fastener holes tapped in the gland body from 30.0 ± 5.0 mm to 30.0 +5.0, -2.5 mm.
- Increase of gland compression washer thickness for 150 A 55-60 mm washers from 2.50 +0.50, 0.25 mm to 3.00 +0.50, -0.25 mm and decrease of washer I.D. from 65.0 ± 1.0 mm to 61.0 ± 1.0 mm.
- Increase of 300/425 A gland compression O.D. thickness tolerance from +0.25, -1.00 mm to ± 1.00 mm.
- Addition of pin lockout option for locking of the quick release of the 150 A & 300/425 A models.
- Addition of deadlock option for locking of the quick release of the 150 A & 300/425 A models.
- All other previously certified documents, except drawing ExRPR60-1200, were updated to the same revisions as listed in the associated IECEx Test Report No. AU/SIM/ExTR20.0009/01 and Certificate of Conformity IECEx SIM 20.0009X Issue 1 for the equipment. An error was corrected on Revision 5 of drawing ExRPR60-1200 listed in this report.

Test & Assessment Reports relevant for this issue:

TR No. & Issuing CBs:	NE16/0033, NE17/0027, NE18/0017, NE19/0002, NE220030Ex/02; Simtars
QAR No. & Issuing CB:	AU/SIM/QAR20.0001/04; Simtars
File Reference:	220030Ex