



IECEX Test Report Summary

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

ExTR Ref. No.:	AU/SIM/ExTR20.0009/01	Page 1 of 1
ExTR Free Ref. No.:		Status: Issued
Details of change:	Refer annex for Details of Change.	Date of issue: 2025-01-17
List of Standards Covered:	IEC 60079-0:2017 Edition:7.0 , IEC 60079-1:2014 Edition:7.0	
Issuing ExTL:	SIM - Safety in Mines Testing and Research Station (Simtars)	
Endorsing ExCB:	SIM - Safety in Mines Testing and Research Station (Simtars)	
Manufacturer:	AusProof Pty Ltd 6 Shona Avenue GLADSTONE QLD 4680	
Location of Manufacturer:	Australia	
Ex Protection:	Flameproof "d"	
Ratings:		
Equipment:	Restrained Plugs and Receptacles for working voltages up to and including 3.3kV	
Model Reference:	Refer annex for model identifiers	
Related IECEx Certificates:		
	IECEX SIM 20.0009X Issue 1	
Comments:	The plug and receptacles were assessed, tested and certified under the ANZEx scheme (ANZEx 16.2005X) as Type A restrained plugs and receptacles as defined in AS/NZS1299:2009.	

Annex:

[AU_SIM_ExTR20.0009_01 Summary Annex.pdf](#)



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Model identifiers for 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			

Details of change:

- 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.

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- 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 washer O.D. 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.

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