



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx SIM 14.0002X

Issue No: 3

Certificate history:

Issue No. 3 (2018-05-09)

Issue No. 2 (2017-06-27)

Issue No. 1 (2014-11-21)

Issue No. 0 (2014-03-10)

Status: **Current**

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Date of Issue: **2018-05-09**

Applicant: **Austdac Pty Ltd**
Unit 1, 42 Carrington Road
CASTLE HILL NSW 2154
Australia

Equipment: **Lighting and power unit type LPU57**

Optional accessory:

Type of Protection: **Flameproof "d", Increased Safety "e", Encapsulation "m", Intrinsic Safety "i"**

Marking:

Ex d e ma [ia] I Mb
Ex d e ma [ia] mb I Mb (when fitted with the DFCOM1)

*Approved for issue on behalf of the IECEx
Certification Body:*

Geoffrey Barnier

Position:

Principal Engineer - Certification

*Signature:
(for printed version)*

Date:

9 May 2018

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

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Manufacturer: **Austdac Pty Ltd**
Unit 1, 42 Carrington Road
CASTLE HILL NSW 2154
Australia

Additional Manufacturing location(s):

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 apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-18 : 2014 Explosive atmospheres – Part 18: Equipment protection by encapsulation “m”
Edition:4.0
IEC 60079-7 : 2006-07 Explosive atmospheres - Part 7: Equipment protection by increased safety “e”
Edition:4

*This Certificate **does not** indicate compliance with electrical 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 Report:

[AU/SIM/ExTR14.0002/00](#) [AU/SIM/ExTR14.0002/01](#) [AU/SIM/ExTR14.0002/02](#)
[AU/SIM/ExTR14.0002/03](#)

Quality Assessment Report:

[AU/ITA/QAR06.0001/11](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The LPU57 is designed to house suitably certified equipment such as the Austdac AC36W. The enclosure is fitted with separately certified connection terminals. Electrical access is via separately certified connectors and/or cable glands fitted to plain holes drilled into the side and end walls of the enclosure.

This certificate covers the modules listed in the in the type LPU57 Lighting and Power Units as listed in the Annex:

- Model LPU57-1R
- Model LPU57-2R
- Model LPU57-4R
- Model LPU57-1
- Model LPU57-2
- Model LPU57-4

The Type LPU57 consists of a sheet stainless steel enclosure fitted with separately certified IECEx equipment. The cover is attached to the body via socket pan head stainless steel screws with a silicone rubber gasket.

Refer annex for list of separately certified equipment.

SPECIFIC CONDITIONS OF USE: YES as shown below:

All conditions of use specified within the certificates of the separately certified equipment listed in the Annex still apply and are to be adhered to.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Issue 1:

- Inclusion of three additional models to the LPU57 Range, Models LPU57-1, LPU57-1R & LPU57-2.
- Minor drawing changes.

Issue 2:

- Addition of Dual Feed Change Over Module (DFCOM1-115 and DFCOM1-230) for protection type Ex eb mb for use as a component within the LPU57-xR model range.
- Change of address.
- Minor drawing changes.

Issue 3:

- Inclusion of an optional 32 A 500 V Bolted Adaptor and Coupler interface with the LPU57.
- Minor drawing changes



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Additional information:

Compliance to clause 30 of IEC 60079-0:2011 is provided in manufacturer's Users Manual 40-374-12 Issue 02 dated 2017.05.11.

Annex:

[IECEX SIM 14.0002X-3 Annex.pdf](#)



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Model Numbers in the range:

Type	Enclosure size (mm)	Maximum number of AC36W power supplies fitted
LPU57-1R	355 x 310 x 195	1
LPU57-2R	495 x 340 x 205	2
LPU57-4R	650 x 330 x 200	4
LPU57-1	340 x 290 x 142	1
LPU57-2	495 x 340 x 205	2
LPU57-4	650 x 330 x 200	4

List of Separately Certified Equipment:

Equipment	Protection Marking	Certificate Number
Intrinsically safe Ex ia power supply Type AC36W-xxV-yyA	Ex eb ma [ia Ma] I Mb	IECEX MSC 13.0001X
Control Switch/Switch - Disconnecter, type 8008/2-002	Ex de IIC resp. Ex de I	IECEX PTB 06.0010U
Terminals - Wago TOP JOB S 2016	Ex e I Mb	IECEX PTB 05.0015U
Terminals- Wago TOP JOB S 2004	Ex e I Mb	IECEX PTB 05.0033U
Amphenol Starline Ex Panel Mount Receptacle Ex-17 style	Ex de I Mb	IECEX ITA 12.0010X
32/63A 500V Bolted Adaptor and Coupler	Ex db eb I Mb (adaptor) Ex db I Mb (Plug and Coupler)	IECEX ITA 15.0003X

Certificate numbers and maximum quantity specified in Bill of Materials drawing No. 40-347-14

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Manufacturer's documents:

Drawings associated with Issue 0:

Drawing No.	Subject	Rev.	Date
40-334-06 (Sheet 1 of 3)	Lighting & Power Unit Type LPU57-4 Enclosure MECHANICAL DETAILS	01	2014.02.12
40-334-06 (Sheet 2 of 3)	Lighting & Power Unit Type LPU57-4 Enclosure MECHANICAL DETAILS	01	2014.02.12
40-334-06 (Sheet 3 of 3)	Lighting & Power Unit Type LPU57-4 Enclosure MECHANICAL DETAILS	01	2014.02.12
40-339-06	Lighting and Power Supply Unit 4 Module Cover Type LPU57-4 MECHANICAL DETAILS	01	2014.02.12
40-340-13 (Sheet 1 of 2)	Lighting & Power Unit Type LPU57 LABELS MECHANICAL DETAILS	01	2014.02.12
40-340-13 (Sheet 2 of 2)	Lighting & Power Unit Type LPU57 LABELS MECHANICAL DETAILS	01	2014.02.12
40-341-06	Lighting & Power Unit Type LPU57 Gasket MECHANICAL DETAILS	01	2014.02.12
40-345-15 (Sheet 1 of 2)	Lighting & Power Unit LPU57-4 4x Module + Isolation Switch General Arrangement	01	2014.02.12
40-345-15 (Sheet 2 of 2)	Lighting & Power Unit LPU57-4 4x Module + Isolation Switch General Arrangement	01	2014.02.12
40-347-14 (Sheets 1 & 2 of 2)	Lighting & Power Unit Type LPU57 BILL OF MATERIALS	01	2014.02.12
40-348-06	Lighting & Power Unit Type LPU57 8008/2 Switch Mounting Brackets MECHANICAL DETAILS	01	2014.02.12

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40-372-06	8008 Switch Handle Guard MECHANICAL DETAILS	01	2014.02.12
40-373-06	Lighting & Power Unit Type LPU57 Connector Support MECHANICAL DETAILS	01	2014.02.12
40-374-12 (Sheets 1 to 6)	Lighting & Power Unit Type LPU57 USER'S MANUAL	01	2014.02.20
40-375-02	LPU57 BLOCK DIAGRAM	01	2014.02.12
40-342-13	Lighting & Power Unit Type LPU57 AC36W Module Label Details	01	2014.02.12
40-370-06	8008 Switch Handle Blanking Plate MECHANICAL DETAILS	01	2014.02.13
40-371-06	8008 Switch Handle Blanking Plate Gasket MECHANICAL DETAILS	01	2014.02.13
40-346-04 (Sheet 1 of 2)	LPU57 ASSEMBLY DETAILS	01	2014.02.12
40-346-04 (Sheet 2 of 2)	LPU57 ASSEMBLY DETAILS	01	2014.02.12

Drawings associated with Issue 1:

Drawing No.	Subject	Rev.	Date
40-332-06 (Sheet 1 of 2)	Lighting & Power Unit Type LPU57-1 Enclosure MECHANICAL DETAILS	01	2014.08.19
40-332-06 (Sheet 2 of 2)	Lighting & Power Unit Type LPU57-1 Enclosure MECHANICAL DETAILS	01	2014.08.19
40-333-06 (Sheet 1 of 3)	Lighting & Power Unit Type LPU57-2 Enclosure MECHANICAL DETAILS	01	2014.08.19
40-333-06 (Sheet 2 of 3)	Lighting & Power Unit Type LPU57-2 Enclosure MECHANICAL DETAILS	01	2014.08.19

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40-333-06 (Sheet 3 of 3)	Lighting & Power Unit Type LPU57-2 Enclosure MECHANICAL DETAILS	01	2014.08.19
40-334-06 (Sheet 1 of 3)	Lighting & Power Unit Type LPU57-4 Enclosure MECHANICAL DETAILS	02	2014.08.19
40-334-06 (Sheet 2 of 3)	Lighting & Power Unit Type LPU57-4 Enclosure MECHANICAL DETAILS	02	2014.08.19
40-334-06 (Sheet 3 of 3)	Lighting & Power Unit Type LPU57-4 Enclosure MECHANICAL DETAILS	02	2014.08.19
40-335-06 (Sheet 1 of 2)	Lighting & Power Unit Type LPU57-1R Enclosure MECHANICAL DETAILS	01	2014.08.19
40-335-06 (Sheet 2 of 2)	Lighting & Power Unit Type LPU57-1R Enclosure MECHANICAL DETAILS	01	2014.08.19
40-336-06	Lighting & Power Unit Type LPU57-1R Cover MECHANICAL DETAILS	01	2014.03.10
40-337-06	Lighting & Power Unit Type LPU57-1 Cover MECHANICAL DETAILS	01	2014.03.10
40-338-06	Lighting & Power Unit Type LPU57-2 Cover MECHANICAL DETAILS	01	2014.03.10
40-340-13 (Sheet 1 of 2)	Lighting & Power Unit Type LPU57 LABELS MECHANICAL DETAILS	02	2014.07.21
40-340-13 (Sheet 2 of 2)	Lighting & Power Unit Type LPU57 LABELS MECHANICAL DETAILS	02	2014.07.21

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40-341-06	Lighting & Power Unit LPU57 Gasket MECHANICAL DETAILS	02	2014.07.01
40-343-15 (Sheet 1 of 2)	Lighting & Power Unit LPU57-1 Single Module General Arrangement	01	2014.07.22
40-343-15 (Sheet 2 of 2)	Lighting & Power Unit LPU57-1 Single Module General Arrangement	01	2014.07.22
40-344-15 (Sheet 1 of 2)	Lighting & Power Unit LPU57-2 2x Module + Isolation Switch General Arrangement	01	2014.10.02
40-344-15 (Sheet 2 of 2)	Lighting & Power Unit LPU57-2 2X Module + Isolation Switch General Arrangement	01	2014.10.02
40-347-14 (2 pages)	Lighting & Power Unit Type LPU57 BILL OF MATERIALS	02	2014.10.02
40-349-15 (Sheet 1 of 2)	Lighting & Power Unit LPU57-1R Single Module with Relay GENERAL ARRANGEMENT	01	2014.10.02
40-349-15 (Sheet 2 of 2)	Lighting & Power Unit LPU57-1R Single Module with Relay GENERAL ARRANGEMENT	01	2014.10.02
40-375-02	LPU57 BLOCK DIAGRAM	02	2014.10.02

Drawings associated with Issue 2:

Drawing No.	Subject	Rev.	Date
40-333-06 (Sheet 1 of 3)	Lighting & Power Unit Type LPU57-2 Enclosure MECHANICAL DETAILS	02	2017.02.24
40-333-06 (Sheet 2 of 3)	Lighting & Power Unit Type LPU57-2 Enclosure MECHANICAL DETAILS	02	2017.02.24

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Drawing No.	Subject	Rev.	Date
40-333-06 (Sheet 3 of 3)	Lighting & Power Unit Type LPU57-2 Enclosure MECHANICAL DETAILS	02	2017.02.24
40-334-06 (Sheet 1 of 3)	Lighting & Power Unit Type LPU57-4 Enclosure MECHANICAL DETAILS	03	2017.02.24
40-334-06 (Sheet 2 of 3)	Lighting & Power Unit Type LPU57-4 Enclosure MECHANICAL DETAILS	03	2017.02.24
40-334-06 (Sheet 3 of 3)	Lighting & Power Unit Type LPU57-4 Enclosure MECHANICAL DETAILS	03	2017.02.24
40-340-13 (Sheet 1 of 3)	Lighting & Power Unit Type LPU57 LABELS MECHANICAL DETAILS	03	2017.05.26
40-340-13 (Sheet 2 of 3)	Lighting & Power Unit Type LPU57 LABELS MECHANICAL DETAILS	03	2017.05.26
40-340-13 (Sheet 3 of 3)	Lighting & Power Unit Type LPU57 LABELS MECHANICAL DETAILS	03	2017.05.26
40-344-15 (Sheet 1 of 2)	Lighting & Power Unit LPU57-2 2x Module + Isolation Switch General Arrangement	02	2017.02.24
40-344-15 (Sheet 2 of 2)	Lighting & Power Unit LPU57-2 2X Module + Isolation Switch General Arrangement	02	2017.02.24
40-345-15 (Sheet 1 of 2)	Lighting & Power Unit LPU57-4 4x Module + Isolation Switch General Arrangement	02	2017.03.02
40-345-15 (Sheet 2 of 2)	Lighting & Power Unit LPU57-4 4x Module + Isolation Switch General Arrangement	02	2017.03.02
40-347-14 (Pages 1 and 2 of 2)	Lighting & Power Unit TYPE LPU57 BILLS OF MATERIALS	03	2017.04.26

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Drawing No.	Subject	Rev.	Date
40-349-15 (Sheet 1 of 2)	Lighting & Power Unit LPU57-1R Single Module with Relay GENERAL ARRANGEMENT	02	2017.02.24
40-349-15 (Sheet 2 of 2)	Lighting & Power Unit LPU57-1R Single Module with Relay GENERAL ARRANGEMENT	02	2017.02.24
40-381-03	Dual Feed Change Over Module Type DFCOM1 PCB0353 SCHEMATIC DIAGRAM	01	2017.05.26
40-382-21 (Sheet 1 of 3)	Dual Feed Change Over Module Type DFCOM1 PCB0353A ARTWORK DETAILS	01	2017.02.23
40-382-21 (Sheet 2 of 3)	Dual Feed Change Over Module Type DFCOM1 PCB0353A ARTWORK DETAILS	01	2017.02.23
40-382-21 (Sheet 3 of 3)	Dual Feed Change Over Module Type DFCOM1 PCB0353A ARTWORK DETAILS	01	2017.02.23
40-383-14 (Pages 1 and 2 of 2)	Dual Feed Change Over Module Type DFCOM1 PCB0353 BILL OF MATERIALS	01	2017.02.23
40-385-06	Dual Feed Change Over Module Type DFCOM1 Chassis MECHANICAL DETAILS	01	2017.02.23
40-386-04 (Sheet 1 of 2)	Dual Feed Change Over Module Type DFCOM1 Assembly Diagram	01	2017.05.26
40-386-04 (Sheet 2 of 2)	Dual Feed Change Over Module Type DFCOM1 Assembly Diagram	01	2017.05.26
40-387-14 (Pages 1 and 2 of 2)	Dual Feed Change Over Module Type DFCOM1 BILL OF MATERIALS	01	2017.05.26
40-388-13	Dual Feed Change Over Module Type DFCOM1 LABEL DETAILS	01	2017.05.26

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40-333-06 (Sheet 1 of 3)	Lighting & Power Unit Type LPU57-2 Enclosure MECHANICAL DETAILS	03	2018.02.01
40-333-06 (Sheet 2 of 3)	Lighting & Power Unit Type LPU57-2 Enclosure MECHANICAL DETAILS	03	2018.02.01
40-333-06 (Sheet 3 of 3)	Lighting & Power Unit Type LPU57-2 Enclosure MECHANICAL DETAILS	03	2018.02.01
40-334-06 (Sheet 1 of 3)	Lighting & Power Unit Type LPU57-4 Enclosure MECHANICAL DETAILS	04	2018.02.01
40-334-06 (Sheet 2 of 3)	Lighting & Power Unit Type LPU57-4 Enclosure MECHANICAL DETAILS	04	2018.02.01
40-334-06 (Sheet 3 of 3)	Lighting & Power Unit Type LPU57-4 Enclosure MECHANICAL DETAILS	04	2018.02.01
40-335-06 (Sheet 1 of 2)	Lighting & Power Unit Type LPU57-1R Enclosure MECHANICAL DETAILS	02	2018.02.01
40-335-06 (Sheet 2 of 2)	Lighting & Power Unit Type LPU57-1R Enclosure MECHANICAL DETAILS	02	2018.02.01
40-344-15 (Sheet 1 of 2)	Lighting & Power Unit LPU57-2 2x Module + Isolation Switch General Arrangement	03	2018.02.01
40-344-15 (Sheet 2 of 2)	Lighting & Power Unit LPU57-2 2x Module + Isolation Switch General Arrangement	03	2018.02.01
40-345-15 (Sheet 1 of 3)	Lighting & Power Unit LPU57-4 4x Module + Isolation Switch General Arrangement	03	2018.02.01

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40-345-15 (Sheet 2 of 3)	Lighting & Power Unit LPU57-4 4x Module + Isolation Switch General Arrangement	03	2018.02.01
40-345-15 (Sheet 3 of 3)	Lighting & Power Unit LPU57-4 4x Module + Isolation Switch General Arrangement	03	2018.02.01
40-347-14 (Pages 1 and 2 of 2)	Lighting & Power Unit TYPE LPU57 BILLS OF MATERIALS	04	2018.02.01
40-349-15 (Sheet 1 of 2)	Lighting & Power Unit LPU57-1R Single Module with Relay GENERAL ARRANGEMENT	03	2018.02.01
40-349-15 (Sheet 2 of 2)	Lighting & Power Unit LPU57-1R Single Module with Relay GENERAL ARRANGEMENT	03	2018.02.01
40-375-02	LPU57 BLOCK DIAGRAM	03	2018.02.01
40-374-12	Lighting & Power Unit Type LPU57 User Manual	04	2018.02.01

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