

[1] EC TYPE-EXAMINATION CERTIFICATE

[2] Equipment or Protected System Intended for use
in Potentially explosive atmospheres
Directive 94/9/EC

[3] EC-Type Examination Certificate Number: Nemko 06ATEX1307X

[4] Equipment or Protective System: Power supply unit

[5] Applicant / Manufacture: Austdac Pty Ltd

[6] Address: Unit 1 / 4 Packard Avenue
Castle Hill NSW 2154
Australia

[7] This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8] Nemko AS, notified body number 0470 in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential report no. 74318

[9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

CENELEC EN 60079-0: 2004, CENELEC EN 60079-7: 2003

[10] If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

[11] This EC-TYPE EXAMINATION CERTIFICATE relates only to the design, examination and tests of the specified equipment or protective system in accordance to the directive 94/9/EC. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

[12] The marking of the equipment or protective system shall include the following:



I M2

Ex e I

Oslo, 2006-11-30



Rolf Hoel
Certification Manager, Ex-products

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Postal address:
P.O.Box 73 Blindern
N-0314 OSLO, NORWAY

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0373 OSLO

Telephone:
+47 22 96 03 30
Fax:
+47 22 96 05 50

Enterprise number:
NO 974404532

[13] Schedule**[14] EC-TYPE EXAMINATION CERTIFICATE No Nemko 06ATEX1307X****[15] Description of Equipment or Protective System**

A stainless steel sheet metal Ex e enclosure with IP65 ingress protection measuring 310mm x 295mm x 125mm is designed to house a separately certified Ex e m [ia], Ex e m [ib] or Ex e m [ic] power supply module. The LPU48 enclosure has some internal Ex e terminal blocks to terminate the 110V or 230V ac mains supply cables and the flying power input leads from the separately certified Ex e m [ia], Ex e m [ib] or Ex e m [ic] power supply module. The mains supply enters the enclosure via separately certified Ex e glands. The Ex ia, ib or ic output from the separately certified Ex e m [ia], Ex e m [ib] or Ex e m [ic] power supply module leaves the LPU48 host enclosure via a solid brass connector

Type Designation

LPU48

Technical Data

max 240V AC, max 16A 50/60Hz

Ingress Protection Code

IP65

[16] Report No. 74318**Descriptive Documents**

Name/Title	Doc. No.	Rev.	Date	Sheets
LPU48 series lighting & power supply unit document list	40-280-37	02	2006/02/24	2
LPU48 Exe enclosure label details	40-286-13	07	2006/11/07	2
LPU48 series power supply unit bill of materials.	40-287-14	06	2006/11/30	3
LPU48-G2-J enclosure with gland feeder/joy output 1x feeder 1x module assembly details	40-290-04	04	2006/02/24	2
LPU48-G2-J enclosure with gland feeder/Joy output 1 x feeder 1 x module mechanical details	40-291-06	02	2005/09/15	2
LPU48-G2-J gasket 1 x feeder 1 x module mechanical details	40-292-06	02	2005/09/15	1
LPU48-G2-J enclosure with gland feeder/Joy output 1 x Feeder 1 x Module 1 general arrangement.	40-293-15	05	2006/11/30	1

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[17] Special Conditions for Safe Use

1. It is a condition of manufacture that the routine high voltage test of not less than 1 500 V is applied in accordance with clause 6.1 of EN 60079-7:2003. Alternatively, a test voltage shall be carried out at 1 800 V for a period not less than 0.1 Seconds.
2. It is a condition of safe use that only Intrinsically Safe power supplies with ATEX certification for installation in Zone 1, are mounted within the enclosure. Where the output current of the Power Supply Modules are factory set to a value less than the maximum output indicated in the Power supply Certificate the value shall be marked on the certification label.
3. The apparatus must be fitted with ATEX certified Ex e cable glands that provide an ingress protection rating not less than IP65.
4. It is a condition of manufacture that a copy of drawing 40-293-15 is provided to the purchaser.
5. That the internal Power Supply Modules are covered by current ATEX Certification, and that the electrical parameters, defined in the certificate, are complied with.

[18] Essential Health and Safety Requirements

See item 9

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[1] PRODUCT QUALITY ASSURANCE NOTIFICATION

**[2] Equipment or Protected System Intended for use
in Potentially explosive atmospheres
Directive 94/9/EC**

- [3] Notification Number :** Nemko 06ATEX4343Q
- [4] Equipment or Protective System or Components as listed:** Power Supply Enclosure
Ⓜ I M2 Ex e I
- [5] Responsible Manufacturer:** Austdac Pty., Ltd.
Unit 1/4 Packard Ave.
Caste Hill, NSW 2154
AUSTRALIA
- [6] Factory** Same as manufacturer
- [7] Nemko AS, notified body number 0470 for Annex VII in accordance with Article 9 of Council Directive 94/9/EC of 23 March 1994 notifies to the applicant that the actual manufacturer has a product quality system which complies to Annex VII of the Directive.**
- [8] This notification is based on audit report No 74413 issued the 2006-08-12, 2006-10-03 and 2006-11-30, and corresponding corrective actions.**
- The notification can be withdrawn if the manufacturer no longer satisfies the requirements of Annex VII.
- Results of periodical re-assessment of the quality system are a part of this notification.
- [9] This notification is valid until 2009-12-31 and can be withdrawn if the Manufacturer does not satisfy the production quality assurance re-assessment.**
- [10] According to Article 10[1] of the Directive 94/9/EC the CE marking shall be followed by the identification Number 0470 identifying the notified body involved in the product control stage.**

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2006-11-30



Rolf Hoel
Certification Manager, Ex-products