

Certification of

EXPLOSION PROTECTED ELECTRICAL EQUIPMENT

AUSEx Scheme

Certificate of Conformity

Certificate No: **AUS Ex 2607X**

| | | |
|----------|-------------------|----------------------------------------------------------------------------------|
| Issue: 0 | 23 July 2004 | Original Issue Modifications Administrative Addition to range |
| Issue: 1 | 21 July 2005 | |
| Issue: 2 | 29 September 2005 | |
| Issue: 3 | 24 October 2005 | |

Date of Expiry: **23 July 2014**

Certificate Holder: **GE5 Products Pty Ltd
Unit 64, 170 Forster Road
Mt. Waverley VIC 3149**

Electrical Equipment: **32V AC Portable Fluorescent Lamps**

Type of Protection and Marking Code: **Ex m e IIC T4 IP65
AUS Ex 2607X**

Manufactured by: **GE5 Products Pty Ltd
Unit 64, 170 Forster Road
Mt. Waverley VIC 3149**

Issued by:



Simtars
Queensland Government

A business unit of the Department of
Natural Resources and Mines

Engineering, Testing and Certification Centre
2 Smith Street, REDBANK QLD 4301, Australia
Postal Address: PO Box 467, GOODNA QLD 4300, Australia
Phone: + 61 7 3810 6381 Fax: + 61 7 3810 6366

www.jas-anz.com.au/register



Certification of

EXPLOSION PROTECTED ELECTRICAL EQUIPMENT

AUSEx Scheme

This certificate is granted subject to the conditions as set out in Standards Australia Miscellaneous Publication MP 69 and the Procedure (Doc Q7134) of the scheme.

The electrical equipment and any acceptable variation to it specified in the schedule to this certificate and the identified documents, was found to comply with the following standards:

- | | |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AS 2380.1 - 1989 | Electrical equipment for explosive atmospheres – Explosion-protection techniques Part 1: General requirements (Including Amendment 1, September 1998) |
| AS 2380.6 - 1988 | Electrical equipment for explosive atmospheres – Explosion-protection techniques Part 6: Increased safety |
| AS 2431 - 1981 | Electrical equipment for explosive atmospheres Encapsulated apparatus – Type of protection m |

This certificate does not ensure compliance with electrical safety and performance requirements other than those included in the standards listed above.

The equipment listed has successfully met the examination and test requirements as recorded in

Test Report No: **NE05/0051, NE05/0039, NE04/0030**

File Reference: **05/0157**



Signed for and on behalf of issuing authority

**Principal Engineer - Certification
Engineering, Testing and Certification Centre**

Position

24 October 2005

Date of issue

This certificate and schedule may not be reproduced except in full.

This certificate is not transferable, remains the property of the issuing body and must be returned in the event of its being revoked or not renewed.

Certificate No: Ex 2607X Issue: 3

Issued by:



Simtars
Queensland Government

A business unit of the Department of
Natural Resources and Mines

Engineering, Testing and Certification Centre
2 Smith Street, REDBANK QLD 4301, Australia
Postal Address: PO Box 467, GOODNA QLD 4300, Australia
Phone: + 61 7 3810 6381 Fax: + 61 7 3810 6366



Certification of

EXPLOSION PROTECTED ELECTRICAL EQUIPMENT

AUSEx Scheme

Schedule

Equipment:

The 32V AC Portable Fluorescent Lamps, models CF11-32-1 and CFE40-32-1, are rated at 11 and 40 Watts respectively and both have a supply voltage of 32 V AC. The portable lamps comprise an inverter, a fluorescent lamp, an EMC filter and a permanently fitted supply cable. The fluorescent lamp is connected to an increased safety connector. The power supply cable is fitted with a special configuration two-pin plug. The electrical control gear is housed in a polycarbonate tube and is totally encapsulated in epoxy resin. Both ends of the light fitting are additionally protected with nitrile rubber end caps.

This supplementary certificate covers the inclusion of Model CF11-32-2 to the range. The lamp is rated at 11 W. This model uses a four-pin fluorescent lamp and does not incorporate an EMC filter.

Drawings:

Drawings associated with this issue of the certificate:

| Drawing No. | Drawing Title | Revision No. | Drawn/ Revision Date |
|----------------------|------------------------------------------------------------------------------|--------------|-------------------------|
| 010 | PORTABLE FLUORESCENT LAMP 32 VOLT AC 11 WATT ZONE 1 MODEL No CF11-32-2 | 6 | 22.7.05 |
| 3915 | GE5 CF11-32-2 32Vac11W 4 pin Lamp Inverter Circuit | A | 18-Jul-2005 |
| PCB637 (5 Sheets) | GE 5 Safe-T-Lite CF11 - 32 - 2 32Vac 11W 4 pin Lamp Inverter | B | 3/5/05 |
| 01B.Bom | Bill of Material for 32VAC11W | - | - |

Certificate No: Ex 2607X Issue: 3 Date of Issue: 24 October 2005

Issued by:



Engineering, Testing and Certification Centre
2 Smith Street, REDBANK QLD 4301, Australia
Postal Address: PO Box 467, GOODNA QLD 4300, Australia
Phone: + 61 7 3810 6381 Fax: + 61 7 3810 6366



Certification of

EXPLOSION PROTECTED ELECTRICAL EQUIPMENT

AUSEx Scheme

Addendum to Certificate No.: **Ex 2607X**

Issue: **3**

Date of Issue: **24 October 2005**

There are no drawings associated with Issue 2 of this certificate.

Drawings associated with Issue 1 of this certificate:

| Drawing No. | Drawing Title | Revision No. | Drawn/ Revision Date |
|-------------|------------------------------------------------------------------------------|--------------|-------------------------|
| 010 | PORTABLE FLUORESCENT LAMP 32 VOLT AC 11 WATT ZONE 1 MODEL No CF11-32-1 | 5 | 14.2.05 |
| GE5 101 | EMC filter for GE5 CF11-32-1 & CFE40-32-1 | A | 20-Apr-2005 |
| 020 | PORTABLE FLUORESCENT LAMP 32 VOLT A-C 40 WATT MODEL No CFE40-32-1 | 5 | 21.4.05 |
| 070 | EMC FILTER BOARD LAYOUT MODELS CFE40-32-1 CF11-32-1 | - | 11.7.05 |

Drawings associated with Issue 0 of this certificate

| Drawing No. | Drawing Title | Revision No. | Drawn/ Revision Date |
|-------------|------------------------------------------------------------------------------|--------------|-------------------------|
| 010 | PORTABLE FLUORESCENT LAMP 32 VOLT A-C 11WATT ZONE 1 MODEL No CF11-32-1 | 3 | 1.6.04 |
| 020 | PORTABLE FLUORESCENT LAMP 32 VOLT A-C 40WATT MODEL No CFE40-32-1 | 3 | 18.6.04 |
| 011 | PCB LAYOUT MODEL No CF11-32-1 | - | 3.3.04 |
| 021 | PCB LAYOUT MODEL No CFE40-32-1 | - | 3.3.04 |

(Drawing list continued next page)

Issued by:



Simtars
Queensland Government

A business unit of the Department of
Natural Resources and Mines

Engineering, Testing and Certification Centre
2 Smith Street, REDBANK Qld 4301, Australia
Postal Address: PO Box 467, GOODNA QLD 4300, Australia
Phone: + 61 7 3810 6381 Fax: + 61 7 3810 6366



Certification of

EXPLOSION PROTECTED ELECTRICAL EQUIPMENT

AUSEx Scheme

Addendum to Certificate No.: **Ex 2607X**

Issue: **3**

Date of Issue: **24 October 2005**

| Drawing No. | Drawing Title | Revision No. | Drawn/ Revision Date |
|-------------|--------------------------------------|--------------|-------------------------|
| 39 00 965 | Circuit Diagram GE532VAC40W Inverter | A | 2-Dec-2003 |
| - | PARTS LIST 32VAC40W INVERTER | - | - |
| 40 00 096 | Circuit Diagram GE532VAC11W | A | 2-Dec-2003 |
| - | PARTS LIST 32VAC11W INVERTER | - | - |

Conditions of Certification:

The equipment shall not be exposed to acetic acid.

Issued by:



Simtars
Queensland Government

A business unit of the Department of
Natural Resources and Mines

Engineering, Testing and Certification Centre

2 Smith Street, REDBANK Qld 4301, Australia

Postal Address: PO Box 467, GOODNA QLD 4300, Australia

Phone: + 61 7 3810 6381

Fax: + 61 7 3810 6366

