

Certificate Number
Baseefa03ATEX0227XIssued 7th April 2004
Page 1 of 21 **EC - TYPE EXAMINATION CERTIFICATE**2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**3 EC - Type Examination Certificate Number: **Baseefa03ATEX0227X**4 Equipment or Protective System: **Type TX6620 Series Power Supply Unit**5 Manufacturer: **Trolex Limited**6 Address: **10a Newby Road, Hazel Grove, Stockport, Cheshire SK14 6NG**

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 Baseefa (2001) Ltd. Notified body number 1180, in accordance with Article 9 of the 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. 03(C)0098

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

EN 50014: 1997 + Amendments 1 and 2**EN 50018: 2000+ Amendment 1****EN 50020: 2002**

except in respect of those requirements listed at item 18 of the Schedule.

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 and construction of the specified equipment or protective system. 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 EEx d[ia] I

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa (2001) Ltd. Customer Reference No. 1159

Project File No. 03/0098

<p>This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.</p>
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R S SINCLAIR

DIRECTOR

On behalf of

Baseefa (2001) Ltd.

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Schedule

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Certificate Number Baseefa03ATEX0227X**15 Description of Equipment or Protective System**

Type TX6620 Power Supply Unit rated at an input of up to 120/240V a.c., 50/60Hz and an output of up to 14.4V d.c. and up to 2.37A comprising:-

A main enclosure, fabricated in mild steel, containing an intrinsically safe power (IS) supply chassis, covered by certificate Baseefa03ATEX0732X, with an intercompartmental bushing as certificate number PTB96ATEX1078X leading through the compartment wall into an integral terminal chamber for IS circuits.

The enclosure has a mild steel bolt-on front cover.

The unit is fitted with an internal and an external earth connection.

Up to five cable entry holes are provided as specified on the certificate schedule drawings for the accommodation of suitable certified flameproof cable entry devices (with or without the interposition of a suitable certified flameproof thread adapter) or suitable certified stopping plugs where appropriate. The flameproof cable entry devices, thread adapters and stopping plugs must be certified as Group I Equipment (not a Component) under an EC-Type Examination Certificate to Directive 94/9/EC.

Suitable Component certified cable entry devices, thread adapters and stopping plugs shall be listed in the certificate schedule.

The cable entry devices and cabling methods used in service must be suitable for their intended duty and the special types of cable used in mining.

VARIATION 0.1

Alternative IS power supply chassis as covered by certificate Baseefa03ATEX0732X.

VARIATION 0.2

Alternative size of cable glands and/or intercompartmental bushings.

16 Report Number

Baseefa Certification Report 03(C)0098

17 Special Conditions for Safe Use

- 1 A means of electrical isolation shall be provided on the supply side of the enclosure.
- 2 For replacement purposes the cover fixing screws shall be of grade A2-70 stainless steel or stronger.

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

19 Drawings and Documents

Number	Issue	Date	Description
P5111-43	E	25/02/03	Housing
P5111-45	J	03/02/04	Enclosure, General Arrangement
P5111-76	D	07/04/04	Label Details