



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.:	<input type="text" value="IECEx SIR 05.0015U"/>	issue No.:0	<input type="text" value="Certificate history:....."/>
Status:	<input type="text" value="Current"/>		
Date of Issue:	2005-07-21	Page 1 of 4	
Applicant:	Controlled Systems Limited Ryder Close Cadley Hill Swadlincote Derbyshire DE11 9EU United Kingdom		
Electrical Apparatus:	CSL Ex Fuse		
Optional accessory:			
Type of Protection:	Intrinsically Safe		
Marking:	Ex ia I/II		
Approved for issue on behalf of the IECEx Certification Body:	C Ellaby		
Position:	Certification Officer		
Signature: (for printed version)	_____		
Date:	_____		

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:

SIRA Certification Service
 South Hill
 Chislehurst
 Kent BR7 5EH
 United Kingdom

sira
 CERTIFICATION



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Manufacturer: **Controlled Systems Limited**
Ryder Close
Cadley Hill
Swadlincote
Derbyshire
DE11 9EU
United Kingdom

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 electrical 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 : 2000 Electrical apparatus for explosive gas atmospheres - Part 0: General requirements

Edition: 3.1

IEC 60079-11 : 1999 Electrical apparatus for explosive gas atmospheres - Part 11: Intrinsic safety 'i'

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

IECEx ATR:
UK/SIR/05/R52L12363A

File Reference:
52L13263
Sira 04.017



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The CSL ExFuse Series is a range of encapsulated fuses that are used in Intrinsically Safe Equipment; the following CSL ExFuse ratings are available:

63 mA	200 mA	500 mA	1.0 A
125 mA	250 mA	630 mA	1.25 A
160 mA	315 mA	800 mA	1.6 A

CONDITIONS OF CERTIFICATION: NO



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EQUIPMENT(continued):

Condition of manufacture

1	Each CSL ExFuse shall contain one of the following Wickmann/Littelfuse type 372/TR5® subminiature fuse links:			
	63 mA	200 mA	500 mA	1.0 A
	125 mA	250 mA	630 mA	1.25 A
	160 mA	315 mA	800 mA	1.6 A

Conditions of installation

1	The method used for mounting the fuse shall not reduce the creepage, clearance and separation distances.	
2	When the CSL ExFuse is incorporated into equipment, the following surface temperature rises associated with the fuses will be considered when determining the overall temperature classification of the equipment.	
	Fuse rating	Maximum surface temperature rise at 1.7 times In
	63 mA to 800 mA	35 K
	1.0 A to 1.6 A	55 K