



Hazardous Area Fuse Type: CSL ExFuse

Datasheet

Rev 1.2	18/07/2005	Certification detail amended
Rev 1.1	20/06/2005	Added details on batch numbering
Rev 1.0	15/06/2005	Released

Description

The CSL ExFuse series is a range of encapsulated fuses for use in Intrinsically Safe Apparatus for Hazardous Areas where there is a risk of explosion of gas and/or dust.



Body D:10mm x L:11mm
Lead Length 16mm
Lead Pitch 5.08mm

Features

- ATEX and IECEx Component Certification for both Group I and Group II applications
- Permissible continuous operating current $\leq 100\%$ at an ambient temperature of 23°C (Note: some other fuses require operation at $\leq 75\%$ to avoid nuisance blowing)
- Lead Free RoHS Compliant
- Range of values available (see table)
- Time Lag (T) characteristic
- Low Internal Resistance
- $>4\text{mm}$ Creepage and Clearance (lead spacing) for use with voltages up to 90V peak
- Breaking Capacity 35A @ 90VAC/DC

Certification Details

Component Certification

EEx ia I/II Sira 05ATEX2128U
Ex ia I/II IECEx SIR 05.0015U



I M1 / II 1 G

NOTE:

1. The method of fuse mounting shall not reduce the creepage, clearance and separation distances, which shall comply with the requirements of EN50020:2002 Table 4 (IEC60079-11:1999 4th Edition)
2. It will be necessary to determine a surface temperature classification for the fuse by considering the maximum ambient and temperature rise of the fuse. See certificate for details.

Batch number and year of manufacture are shown on the product packaging in the format YY/nnnn (eg 05/0023 – year produced 2005 batch # 23)

Notified body responsible for production 0518 (Sira Test & Certification Ltd.)

CSL ExFuse Series of Values Available

Rated Current	Voltage Drop @ 1.0 x In (max) mV	Melting Integral I²t 10 x In (min) A²Sec
63mA	400mV	0.02
125mA	260mV	0.066
160mA	200mV	0.14
200mA	170mV	0.2
250mA	150mV	0.28
315mA	140mV	0.36
500mA	125mV	1.3
630mA	120mV	2.5
800mA	110mV	3.8
1.00A	110mV	5.5
1.25A	95mV	9
1.60A	95mV	14

Part number is ExFuse + Rated current (eg 125mA = ExFuse 125)

Controlled Systems Limited

Ryder Close, Swadlincote, Derbyshire. DE11 9EU. England

TEL: +44 (0)1283 216231 / FAX: +44 (0)1283 552937 / sales@controlledsystemsLtd.co.uk