



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.: IECEx SIR 10.0190 issue No.: 0 Certificate history:

Status: **Current**

Date of Issue: 2011-03-15 Page 1 of 3

Applicant: **Mine Safety Appliances Company**
1000 Cranberry Woods Drive
Cranberry Township
Pennsylvania 16066
United States of America

Electrical Apparatus: **FlameGard 5 UV/IR and FlameGard 5 UV/IR-H2**
Optional accessory:

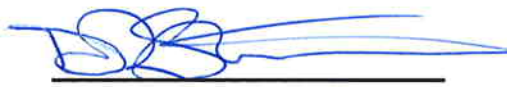
Type of Protection: **Flameproof and Dust by Enclosure**

Marking: **Ex d IIC T5 Gb**
Ex t IIIC T100°C Db IP66/67
Ta = -40°C to +85°C

Approved for issue on behalf of the IECEx Certification Body: D R Stubbings BA MIET

Position: Certification Manager

Signature:
(for printed version)


2011-03-15

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
Rake Lane
Eccleston
Chester
CH4 9JN
United Kingdom



sira
CERTIFICATION



IECEX Certificate of Conformity

Certificate No.: IECEx SIR 10.0190

Date of Issue: 2011-03-15

Issue No.: 0

Page 2 of 3

Manufacturer: **Mine Safety Appliances Company**
1000 Cranberry Woods Drive
Cranberry Township
Pennsylvania 16066
United States of America

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 : 2007-10
Edition: 5 | Explosive atmospheres - Part 0: Equipment - General requirements |
| IEC 60079-1 : 2007-04
Edition: 6 | Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d" |
| IEC 60079-31 : 2008
Edition: 1 | Explosive atmospheres - Part 31: Equipment dust ignition protection by enclosure "t" |

*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

Test Report:

[GB/SIR/ExTR10.0304/00](#)

Quality Assessment Report:

[FR/INE/QAR08.0011/01](#)

