



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 CSA 13.0039 Issue No: 0 Certificate history:
Issue No. 0 (2013-12-16)

Status: **Current** Page 1 of 3

Date of Issue: **2013-12-16**

Applicant: **CDI**
1801 N Juniper Ave, Broken Arrow, OK.
74012
United States of America

Electrical Apparatus: **CD52 BANDIT PIG PASSAGE DETECTOR (or SIGNALER)**
Optional accessory:

Type of Protection: **Ex d mb**

Marking: Ex d mb IIB T5 Gb
Tamb: - 40°C to +45°C (Battery operation)
Tamb: - 40°C to +70°C (24Vdc operation)

*Approved for issue on behalf of the IECEx
Certification Body:*

Dorin Stochitoiu

Position:

Technical Advisor

*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:

CSA International
178 Rexdale Boulevard
Toronto, Ontario M9W 1R3
Canada
and
1707 - 94th Street
Edmonton, AB T6N 1E6
Canada





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Manufacturer: CDI
1801 N Juniper Ave, Broken Arrow, OK. 74012
United States of America

Additional 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0
IEC 60079-1 : 2007-04 Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:6
IEC 60079-18 : 2009 Explosive atmospheres Part 18: Equipment protection by encapsulation "m"
Edition:3

*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:

[CA/CSA/ExTR13.0045/00](#)

Quality Assessment Report:

[CA/CSA/QAR12.0002/00](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

CD52 STANDARD BANDIT PIG PASSAGE DETECTOR (or SIGNALER)/81-05-0080 CD52 STAINLESS STEEL BANDIT PIG
PASSAGE DETECTOR (or SIGNALER)/81-05-0063

Operation temperature ranges.

CD 52 STANDARD BANDIT PIG PASSAGE DETECTOR (or SIGNALER)		CD52 STAINLESS STEEL BANDIT PIG PASSAGE DETECTOR (or SIGNALER)	
24VDC	Battery	24VDC	Battery
Tamb -40 °C ~ 70°C	Tamb -40 °C ~ 45°C	Tamb -40 °C ~ 70°C	Tamb -40 °C ~ 45°C

Rating:

24Vdc; 0.029A (29mA); 0.70 Watts

3Vdc; 0.0009A (0.9mA); 0.0027 Watts - Battery

CONDITIONS OF CERTIFICATION: NO