



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 INE 12.0004X issue No.:0

Certificate history:

Status: **Current**

Date of Issue: **2013-08-29** Page 1 of 4

Applicant: **FIKE Europe B.v.b.a.**
Toekomstlaan 52
2200 Herentals
Belgium

Electrical Apparatus: **Burst indicator type Fike Europe Rupture Indicator**
Optional accessory:

Type of Protection: **ia**

Marking: Ex ia IIB T4 Ga - Ex ia IIIC T135°C Da

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

Thierry HOUEIX

Position:

Ex Certification Officer

*Signature:
(for printed version)*

Date:

2013-08-29

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:

INERIS
**Institut National de l'Environnement Industriel
et des Risques**
BP n2
Parc Technologique ALATA
F-60550 Verneuil-En-Halatte
France



IECEx Certificate of Conformity

Certificate No.: IECEx INE 12.0004X

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Page 2 of 4

Manufacturer: **FIKE Europe B.v.b.a.**
Toekomstlaan 52
2200 Herentals
Belgium

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
Edition: 6.0 | Explosive atmospheres - Part 0: General requirements |
| IEC 60079-11 : 2011
Edition: 6.0 | Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i" |
| IEC 60079-26 : 2006
Edition: 2 | Explosive atmospheres - Part 26: Equipment with equipment protection level (EPL) Ga |

*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:
[FR/INE/ExTR12.0002/00](#)

Quality Assessment Report:

[FR/INE/QAR11.0003/01](#)



IECEx Certificate of Conformity

Certificate No.: IECEx INE 12.0004X

Date of Issue: **2013-08-29**

Issue No.: **0**

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The Burst indicator type Fike Europe Indicator is manufactured following six variations: RI, RI2, BC2, BC2 LP BCH, BCH LP.

It consists of an insulated electrical conductive strip, attached to the opening part of the explosion vent. The electrical conductive strip is made of copper with outstanding electrical characteristics and is attached to a highly corrosion resistant Kapton sealed envelope.

CONDITIONS OF CERTIFICATION: YES as shown below:

The Burst indicator type Fike Rupture Indicator has to be used in ambient temperature from -20°C to +80°C.



IECEx Certificate of Conformity

Certificate No.: IECEx INE 12.0004X

Date of Issue: 2013-08-29

Issue No.: 0

Page 4 of 4

EQUIPMENT(continued):

PARAMETERS RELATING TO THE SAFETY

Maximal input characteristics :

$U_i = 28.4 \text{ V}$ - $I_i = 93 \text{ mA}$ - $P_i = 0.615 \text{ W}$ - $L_i = 5.6 \text{ } \mu\text{H}$ - $C_i = 1.8 \text{ nF}$

MARKING

Marking has to be readable and indelible; it has to include the following indications:

FIKE Europe B.v.b.a.

Toekomstlaan 52

B - 2200 Herentals

FIKE EUROPE RUPTURE INDICATOR RI2 *

IECEx INE 12.0004X

Ex ia IIB T4 Ga - Ex ia IIIC T135°C Da

$U_i = 28.4 \text{ V}$ - $I_i = 93 \text{ mA}$ - $P_i = 0.615 \text{ W}$ - $C_i = 1.8 \text{ nF}$ - $L_i = 5.6 \text{ } \mu\text{H}$

(serial number)

* RI2 is added to the type only for the model RI2

ROUTINE EXAMINATIONS AND TESTS

None.