

## 1 EU - TYPE EXAMINATION CERTIFICATE

### 2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

3 EU - Type Examination Certificate      **Baseefa13ATEX0296X – Issue 5**  
Number:

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

4 Product:      **Searchpoint Optima Plus Infrared Point Detector**

5 Manufacturer:      **Honeywell Analytics Limited**

6 Address:      **Hatchpond House, 4 Stinsford Road, Nuffield Estate, Poole, BH17 0RZ**

7 This re-issued certificate extends EC Type Examination Certificate No. **Baseefa13ATEX0296X** to apply to product designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

The examination and test results are recorded in confidential Report No. **See Certificate History**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018      EN 60079-1:2014      EN 60079-28:2015      EN 60079-31:2013**

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign “X” is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

**Ⓔ II 2 GD Ex db op is IIC 86°C/96°C Gb      Ex tb IIC T86°C/T96°C Db      (Ta -40°C to +55°C/65°C)**

SGS Fimko Oy Customer Reference No. **0981**

Project File No. **21/0619**

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Business ID 0978538-5 Member of the SGS Group (SGA SA)



Tuomas Hänninen  
SGS Fimko Oy

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## Schedule

14

### Certificate Number Baseefa13ATEX0296X – Issue 5

#### 15 Description of Product

The Searchpoint Optima Plus Infrared Point Detector is rated up to 32V d.c. with a maximum power dissipation of 8W. The unit comprises a cylindrical enclosure, manufactured in stainless steel, with a central spigot joint secured by 2 off M5 by 16mm long stainless steel socket head cap screws of grade A4-80. At the rear of the unit is an M25 or ¾" NPT male thread with integral conductors passing through an epoxy cement barrier. At the front of the unit is a quartz or sapphire window and two heated arms to support an external mirror assembly.

The interior of the unit comprises a series of internal PCB's and a 3V 230mAh primary cell and an optical assembly dissipating a maximum of 5.5W, together with heater resistors mounted within the support arms dissipating up to a further 2.5W.

Internal earthing is by means of the supply cable and external earth connection facilities are provided at the rear of the central joint fixings.

To obviate the risk of hotspots and capacitor energy storage associated with this unit the cover must not be opened, even when isolated, when an explosive atmosphere is present. Each enclosure is marked with this information. This apparatus is to be installed and used in accordance with the appropriate codes of practice and the manufacturer's instructions.

A range of weather protection covers and sensing heads may also be provided. The sensing heads are for the detection of sporadic explosive atmospheres or calibration only, and are not intended for continuous monitoring/measurement of explosive gas concentrations.

#### 16 Report Number

See Certificate History

#### 17 Specific Conditions of Use

1. The integral leads must be suitably terminated and protected from impact.
2. For replacement purposes the cover fixing screws shall be grade A4-80 minimum.
3. Optical power through the Searchpoint Optima Plus is to be limited to a radiated power of less than 35mW and a peak power density of less than 5mW/mm<sup>2</sup> as defined by IEC 60079-28.

#### 18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

#### 19 Drawings and Documents

New drawings submitted for this issue of certificate:

| Number    | Sheet | Issue | Date     | Description                               |
|-----------|-------|-------|----------|-------------------------------------------|
| 2108E0036 | 1     | 10    | 14.07.21 | Cert Drg Searchpoint Optima Plus Assembly |
| 2108E0045 | 1     | 3     | 14.07.21 | Cert Label Consilium Trademark ATEX/IECEx |

Current drawings which remain unaffected by this issue:

| Number    | Sheet  | Issue | Date     | Description                                      |
|-----------|--------|-------|----------|--------------------------------------------------|
| 2108E0037 | 1      | 4     | 21.05.18 | Cert Drg Casing Searchpoint Optima Plus          |
| 2108E0038 | 1      | 2     | 21.05.18 | Cert Drawing Searchpoint Optics Head Optima Plus |
| 2108E0039 | 1 of 1 | 8     | 15.12.16 | Accessories, Searchpoint Optima Plus             |
| 2108E0042 | 1 of 1 | 1     | 20/06/11 | Protective cover details                         |
| 2108E0044 | 1 of 1 | 2     | 07/03/14 | Internal arrangement                             |

These drawings are common to, and held with, certificate IECEx BAS 13.0069X

**20 Certificate History**

| <b>Certificate No.</b>                                             | <b>Date</b>      | <b>Comments</b>                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Baseefa13ATEX0296X                                                 | 14 May 2014      | The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0:2012, EN 60079-1:2007, EN 60079-28:2007 and EN 60079-31:2013 is documented in Test Report No. GB/BAS/ExTR13.0148/00.                                                |
| Baseefa13ATEX0296X /1                                              | 5 September 2014 | To permit the equipment to be marked in the name of Consilium. The associated assessment is documented in test report GB/BAS/ExTR14.0253/00.                                                                                                                                        |
| Baseefa13ATEX0296X/2                                               | 21 December 2016 | To permit the introduction of an alternative sunshade material. The associated assessment is documented in test report GB/BAS/ExTR16.0384/00.                                                                                                                                       |
| Baseefa13ATEX0296X/3                                               | 16 January 2019  | To confirm the current design meets the requirements of EN IEC 60079-0: 2018, EN 60079-1: 2014 and EN 60079-28: 2015, including revision of the equipment marking in accordance with these standards. The associated assessment is documented in test report GB/BAS/ExTR18.0087/00. |
| Baseefa13ATEX0296X/4                                               | 11 May 2020      | To permit an increase in length of the integral lead from 500mm to 7100mm maximum. The associated assessment is documented in test report GB/BAS/ExTR20.0077/00.                                                                                                                    |
| Baseefa13ATEX0296X<br>Issue 5                                      | 8 November 2021  | This issue of the certificate incorporates previously issued primary & supplementary certificates into one certificate, and includes an additional method of applying the marking label. The associated assessment is documented in test report GB/BAS/ExTR21.0195/00.              |
| For drawings applicable to each issue, see original of that issue. |                  |                                                                                                                                                                                                                                                                                     |

## SUPPLEMENTARY EU - TYPE EXAMINATION CERTIFICATE

### Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

Supplementary EU - Type Examination Certificate Number: **Baseefa13ATEX0296X/4**

In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016

Product: **Searchpoint Optima Plus Infrared Point Detector**

Manufacturer: **Honeywell Analytics Limited**

Address: **Hatchpond House, 4 Stinsford Road, Nuffield Estate, Poole, Dorset, BH17 0RZ**

This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa13ATEX0296X** to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that the product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

SGS Fimko Oy Customer Reference No. **0981**

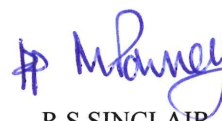
Project File No. **20/0248**

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R S SINCLAIR

Authorised Signatory for SGS Fimko Oy

M POWNEY  
Certification  
Manager



**13**

## **Schedule**

**14**

**Certificate Number Baseefa13ATE0296X/4**

**15 Description of the variation to the Product**

### **Variation 4.1**

To allow an increase in the length of the integral lead from a maximum of 500mm to 7100mm.

**16 Report Number**

SGS Baseefa report number GB/BAS/ExTR20.0077/00.

**17 Specific Conditions of Use**

None additional to those listed previously.

**18 Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

**19 Drawings and Documents**

| <b>Number</b> | <b>Sheet</b> | <b>Issue</b> | <b>Date</b> | <b>Description</b>                        |
|---------------|--------------|--------------|-------------|-------------------------------------------|
| 2108E0036     | 1            | 9            | 21.04.20    | Cert Drg Searchpoint Optima Plus Assembly |

This drawing is common to, and held with, IECEx BAS 13.0096X.



## SUPPLEMENTARY EU - TYPE EXAMINATION CERTIFICATE

### Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU

Supplementary EU - Type Examination Certificate Number: **Baseefa13ATEX0296X/3**

In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

Product: **Searchpoint Optima Plus Infrared Point Detector**

Manufacturer: **Honeywell Analytics Limited**

Address: **Hatchpond House, 4 Stinsford Road, Nuffield Estate, Poole, Dorset, BH17 0RZ**

This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa13ATEX0296X** to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

SGS Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that the product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

Item 9 of the original Certificate is replaced by "Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018      EN 60079-1:2014      EN 60079-28:2015      EN 60079-31:2013**

except in respect of those requirements listed at item 18 of the Schedule."

The marking of the equipment has changed from the original Certificate and shall include the following:

⊕ II 2 GD      Ex db op is IIC 86°C/96°C Gb  
Ex tb IIIC T86°C/T96°C Db  
(Ta -40°C to +55°C/65°C)

SGS Baseefa Customer Reference No. **0981**

Project File No. **18/0109**

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Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN

*pp M Powney*

R S SINCLAIR

TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

M POWNEY  
Certification  
Manager

**13 Schedule**

**14 Certificate Number Baseefa13ATEX0296X/3**

**15 Description of the variation to the Product**

**Variation 3.1**

To assess the Searchpoint Optima Plus Infrared Point Detector against the standards EN IEC 60079-0:2018, EN 60079-1:2014 and EN 60079-28: 2015.

**Variation 3.2**

To correct the marking of the Searchpoint Optima Plus Infrared Point Detector, in respect of how the T Class is displayed.

**16 Report Number**

SGS Report No GB/BAS/ExTR18.0087/00

**17 Specific Conditions of Use**

None additional to those listed previously

**18 Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is affected as follows.

| Clause | Subject                     |
|--------|-----------------------------|
| 1.4.1  | External effects            |
| 1.4.2  | Aggressive substances, etc. |

**19 Drawings and Documents**

| Number    | Sheet | Issue | Date     | Description                                      |
|-----------|-------|-------|----------|--------------------------------------------------|
| 2108E0036 | 1     | 8     | 21.05.18 | Cert Drg Searchpoint Optima Plus Assembly        |
| 2108E0037 | 1     | 4     | 21.05.18 | Cert Drg Casing Searchpoint Optima Plus          |
| 2108E0038 | 1     | 2     | 21.05.18 | Cert Drawing Searchpoint Optics Head Optima Plus |
| 2108E0045 | 1     | 2     | 17.09.18 | Cert Label Consilium Trade mark ATEX/IECEX       |

These drawing are common to, and held with the technical file associated with IECEx BAS 13.0069X



**SUPPLEMENTARY EU - TYPE EXAMINATION CERTIFICATE**

**Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 2014/34/EU**

Supplementary EU - Type Examination Certificate Number: **Baseefa13ATEX0296X/2**

In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016

**Product: Searchpoint Optima Plus Infrared Point Detector**

**Manufacturer: Honeywell Analytics Limited**

**Address: Hatchpond House, 4 Stinsford Road, Nuffield Estate  
Poole, Dorset, BH17 0RZ**

This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa13ATEX0269** to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

SGS Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that the product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

SGS Baseefa Customer Reference No. **0981**

Project File No. **16/0977**

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R S SINCLAIR

TECHNICAL MANAGER

On behalf of SGS Baseefa Limited



13

## Schedule

14

Certificate Number Baseefa13ATEX0269X/2

### 15 Description of the variation to the Product

#### Variation 2.1

Introduction of an alternative material of manufacture for the external sunshade.

### 16 Report Number

GB/BAS/ExTR16.0384/00

### 17 Specific Conditions of Use

None additional to those listed previously

### 18 Essential Health and Safety Requirements

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

### 19 Drawings and Documents

| Number    | Issue | Date     | Description                          |
|-----------|-------|----------|--------------------------------------|
| 2108E0039 | 8     | 15.12.16 | Accessories, Searchpoint Optima Plus |

The drawing is common, and held with, IECEx BAS 13.0069X.

**SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

**Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
Directive 94/9/EC**

- 3 Supplementary EC - Type Examination Certificate Number: **Baseefa13ATEX0296X/1**
- 4 Equipment or Protective System: **Searchpoint Optima Plus Infrared Point Detector**
- 5 Manufacturer: **Honeywell Analytics Limited**
- 6 Address: **Hatchpond House, 4 Stinsford Road, Nuffield Estate, Poole, Dorset, BH17 0RZ**
- 7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa13ATEX0296X** to apply to equipment or protective systems designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

This supplementary certificate shall be held with the original certificate.

Baseefa Customer Reference No. **0981**

Project File No. **14/0596**

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A handwritten signature in blue ink, appearing to read 'R S Sinclair'.

R S SINCLAIR

GENERAL MANAGER

On behalf of SGS Baseefa Limited

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13 **Schedule**

14 **Certificate Number Baseefa13ATEX0296X/1**

15 **Description of the variation to the Equipment or Protective System**

**Variation 1.1**

To permit the detector to be marked in the name of Consilium.

16 **Report Number**

GB/BAS/ExTR14.0253/00.

17 **Specific Conditions of Use**

None additional to those listed previously

18 **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19 **Drawings and Documents**

| Number    | Sheet | Issue | Date     | Description                     |
|-----------|-------|-------|----------|---------------------------------|
| 2108E0045 | 1     | 1     | 08.07.14 | Certification Label - Consilium |

This drawing is common to, and held with, certificate IECEx BAS 13.0069X.

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## EC - TYPE EXAMINATION CERTIFICATE

### Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

EC - Type Examination Certificate Number: **Baseefa13ATEX0296X**

Equipment or Protective System: **Searchpoint Optima Plus Infrared Point Detector**

Manufacturer: **Honeywell Analytics Limited**

Address: **Hatchpond House, 4 Stinsford Road, Nuffield Estate, Poole, Dorset, BH17 0RZ**

This equipment or protective system and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR13.0148/00**

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN 60079-0:2012**      **EN 60079-1:2007**      **EN 60079-28:2007**      **EN 60079-31:2013**

except in respect of those requirements listed at item 18 of the Schedule.

If the sign "X" is placed after the certificate number, it indicates that the equipment or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

The marking of the equipment or protective system shall include the following :

**Ex** II 2 GD Ex d op is IIC T\* Gb (For T\* see below)

**Ex tb IIIC T\* Db**

**\*T86°C (T<sub>amb</sub> -40°C to +55°C) or \*T96°C (T<sub>amb</sub> -40°C to +65°C)**

Baseefa Customer Reference No. **0981**

Project File No. **13/0463**

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*Mr R S Sinclair*  
**R S SINCLAIR**  
GENERAL MANAGER

On behalf of SGS Baseefa Limited



13

## Schedule

14

Certificate Number Baseefa13ATEX0296X

### 15 Description of Equipment or Protective System

The Searchpoint Optima Plus Infrared Point Detector is rated up to 32V d.c. with a maximum power dissipation of 8W. The unit comprises a cylindrical enclosure, manufactured in stainless steel, with a central spigot joint secured by 2 off M5 by 16mm long stainless steel socket head cap screws of grade A4-80. At the rear of the unit is an M25 or ¾" NPT male thread with integral conductors passing through an epoxy cement barrier. At the front of the unit is a quartz or sapphire window and two heated arms to support an external mirror assembly.

The interior of the unit comprises a series of internal PCB's and a 3V 230mAh primary cell and an optical assembly dissipating a maximum of 5.5W, together with heater resistors mounted within the support arms dissipating up to a further 2.5W.

Internal earthing is by means of the supply cable and external earth connection facilities are provided at the rear of the central joint fixings.

To obviate the risk of hotspots and capacitor energy storage associated with this unit the cover must not be opened, even when isolated, when an explosive atmosphere is present. Each enclosure is marked with this information.

This apparatus is to be installed and used in accordance with the appropriate codes of practice and the manufacturer's instructions.

A range of accessories including weather protection covers and sensing head flow housings may also be provided. The flow housings are intended for use in intermittent explosive atmospheres only, and may not be used to monitor environments where an explosive atmosphere is present continuously.

### 16 Report Number

Baseefa certification report GB/BAS/ExTR13.0148/00.

### 17 Specific Conditions of Use

1. The integral leads must be suitably terminated and protected from impact.
2. For replacement purposes the cover fixing screws shall be grade A4-80 minimum.
3. Optical power through the Searchpoint Optima Plus is to be limited to a radiated power of less than 35mW and a peak power density of less than 5mW/mm<sup>2</sup> as defined by EN 60079-28.

### 18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

### 19 Drawings and Documents

| Number    | Sheet  | Issue | Date     | Description              |
|-----------|--------|-------|----------|--------------------------|
| 2108E0036 | 1 of 1 | 7     | 24/04/14 | General assembly         |
| 2108E0037 | 1 of 1 | 3     | 10/01/14 | Base casting             |
| 2108E0038 | 1 of 1 | 1     | 01/08/11 | Cover casting            |
| 2108E0039 | 1 of 1 | 7     | 24/04/14 | Accessories              |
| 2108E0042 | 1 of 1 | 1     | 20/06/11 | Protective cover details |
| 2108E0044 | 1 of 1 | 2     | 07/03/14 | Internal arrangement     |

These drawings are common to, and held with, certificate IECEx BAS 13.0069X.