



**EC - TYPE EXAMINATION CERTIFICATE**

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

- 1
- 2
- 3 EC - Type Examination Certificate Number: **Baseefa09ATEX0028U**
- 4 Component: **BDE Range of Metallic Breather Drains**
- 5 This certificate is held by: **Cooper Crouse-Hinds (UK) Limited**
- 6 Address: **Dorset Road, Sheerness, Kent, ME12 1LP. UK**
- 7 This component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 8 Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of components 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. **09(C)0050**
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN60079-0: 2004 EN60079-7: 2003 prEN 61241-0: 2005 EN 61241-1: 2004**  
except in respect of those requirements listed at item 18 of the Schedule.
- 10 The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- 11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified Component. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.
- 12 The marking of the component shall include the following :

**⊕ II 2GD Ex e II Ex tD A21**

This certificate may only be reproduced in its entirety, without any change, schedule included.

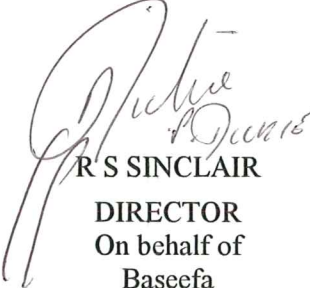
Baseefa Customer Reference No. **4221**

Project File No. **09/0050**

This certificate is granted subject to the general terms and conditions of Baseefa. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

**Baseefa**

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Baseefa is a trading name of Baseefa Ltd  
Registered in England No. 4305578. Registered address as above.

  
**R S SINCLAIR**  
**DIRECTOR**  
On behalf of  
Baseefa



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## Schedule

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Certificate Number Baseefa09ATEX0028U

### 15 Description of Component

The type BDE Range of Metallic Breather Drains is designed to be fitted in an entry on the bottom face of an Exe enclosure to allow the enclosure to breath and drain.

There are 2 sizes: M20 x 1.5 pitch and M25 x 1.5mm pitch.

The breather drain comprises a metallic body with hexagonal head and threaded portion 10mm to 20mm long depending on the enclosure wall thickness. In the bore of the body there is a press fit metallic sinter. The head of the breather drain has several drain holes passing behind the sinter. A nitrile rubber or silicone rubber o-ring set in a groove at the shoulder of the thread and head ensures efficient sealing to an associated enclosure.

Alternatively the breather drain may have a hexagonal socket in the centre of the head and the head may be hexagonal or round.

The breather drain when fitted in the bottom face of the equipment is capable of meeting the requirements of IP66.

### 16 Report Number

09(C)0050

### 17 Schedule of Limitations

1. The breather drain shall be mounted in the bottom face of the enclosure to ensure it is able to breath and drain effectively.
2. The maximum operation temperature range of the breather drain when fitted with a nitrile o-ring is -20°C to +70°C.
3. The maximum operating temperature range of the breather drain when fitted with a silicone o-ring is -60 °C to + 160 °C.

### 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
Baseefa06ATEX0285U	-	-	9 <sup>th</sup> January 2007	Certificate
BD/EExc/NB/02	1	0	25/2/09	CCH Label Details



1 **SUPPLEMENTARY EC - TYPE EXAMINATION CERTIFICATE**

2 **Component Intended for use on/in an Equipment**  
**Intended for use in Potentially Explosive Atmospheres - Directive 94/9/EC**

3 Supplementary EC - Type Examination Certificate Number: **Baseefa09ATEX0028U/1**

4 Component: **BDE Range of Metallic Breather Drains**

5 This certificate is held by: **Cooper Crouse-Hinds (UK) Limited**

6 Address: **Dorset Road, Sheerness, Kent, ME12 1LP. UK**

7 This supplementary certificate extends EC - Type Examination Certificate No. Baseefa09ATEX0028U to apply to components 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.

This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa Customer Reference No. 4221

Project File No. 09/0050

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**Baseefa**

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e-mail [info@baseefa.com](mailto:info@baseefa.com) web site [www.baseefa.com](http://www.baseefa.com)  
Baseefa is a trading name of Baseefa Ltd  
Registered in England No. 4305578. Registered address as above.

A handwritten signature in black ink, appearing to read "R S Sinclair".

**R S SINCLAIR**  
**DIRECTOR**  
On behalf of  
Baseefa



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## Schedule

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Certificate Number Baseefa09ATEX0028U/1

15 **Description of the variation to the Component**

### Variation 1.1

Optional modification to the external profile of the unit to form a dome head version of the breather drain.

16 **Report Number**

09(C)0050

17 **Schedule of Limitations**

None

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
Baseefa06ATEX0285U/1	-	-	25 <sup>th</sup> May 2007	Certificate