



# 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](http://www.iecex.com)

Certificate No.: **IECEX BAS 05.0026X** issue No.: **2** Certificate history:  
Issue No. 2 (2010-6-22)  
Issue No. 1 (2009-6-5)  
Issue No. 0 (2005-7-4)

Status: **Current**

Date of Issue: **2010-06-22** Page 1 of 4

Applicant: **Don Electronics Limited**  
Westfield Industrial Estate  
Kirk Lane  
Yeadon  
Leeds  
LS19 7LX  
United Kingdom

Electrical Apparatus: **'Elite' range of grey plastic enclosures, complete with sensor circuits**  
Optional accessory:

Type of Protection: **Enclosure**

Marking: **IECEX BAS 05.0026X**  
**Ex tb IIIC T125°C Db IP66 Tamb -20°C to +50°C**

Approved for issue on behalf of the IECEx  
Certification Body:

R S Sinclair

Position:

Managing Director

Signature:  
(for printed version)

  
23-6-10

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:

**Baseefa**  
**Rockhead Business Park**  
**Staden Lane**  
**Buxton**  
**Derbyshire**  
**SK17 9RZ**  
**United Kingdom**





# IECEX Certificate of Conformity

Certificate No.: IECEX BAS 05.0026X  
Date of Issue: 2010-06-22 Issue No.: 2  
Page 2 of 4

Manufacturer: **Don Electronics Limited**  
Westfield Industrial Estate  
Kirk Lane  
Yeadon  
Leeds  
LS19 7LX  
United Kingdom

**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** Explosive atmospheres - Part 0: Equipment - General requirements  
Edition: 5  
**IEC 60079-31 : 2008** Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 't'  
Edition: 1

*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*

IECEX ATR:  
**UK/BAS/04/0894**  
**GB/BAS/ExTR10.0127/00**

File Reference:  
**04/0894**  
**10/0088**



# IECEx Certificate of Conformity

Certificate No.: IECEx BAS 05.0026X

Date of Issue: 2010-06-22

Issue No.: 2

Page 3 of 4

## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The enclosure is manufactured in plastic. The enclosure consists of an opaque grey body and transparent/clear lid, complete with silicone sponge gasket that is fitted in a rectangular groove in the lid. The lid is hinged to the body and secured by two stainless steel screws. The body has raised threaded bosses in the base to allow the securing of internal components/circuits. The enclosure has an ingress protection rating of IP66.

The enclosure may be fitted with one or more sensor circuits with a variety of different functions and circuit options. There must be a minimum of 10mm between the components and the enclosure wall.

The Maximum Power Dissipation for the type 864A and 1084B enclosure is 12 Watts per circuit with each circuit within the enclosure being protected by a combination of fuse and zener diodes. The zener diode has a voltage rating which is selected to be as close as possible to the supply voltage.

The 1084B enclosure may be fitted with an alternative internal certification label.

### CONDITIONS OF CERTIFICATION: YES as shown below:

This enclosure is a static hazard and shall only be cleaned with a damp cloth.



# IECEx Certificate of Conformity

Certificate No.: IECEx BAS 05.0026X

Date of Issue: 2010-06-22

Issue No.: 2

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## DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

### Variation 2.1

To allow an alternative external key pad.

### Variation 2.2

To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN 60079-0: 2009 and IEC 60079-31: 2009 in respect of the differences from IEC 61241-1-1:1999, and that none of these differences in the Standard affects this equipment other than the marking.

The marking will change as follows:

Ex tb IIIC T125°C Db IP66 Tamb -20°C to +50°C

ExTR: **GB/BAS/ExTR10.0127/00**

File Reference: **10/0088**



# 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](http://www.iecex.com)

Certificate No.: **IECEX BAS 05.0026X** issue No.: **1** Certificate history:  
Issue No. 1 (2009-6-5)  
Issue No. 0 (2005-7-4)

Status: **Current**

Date of Issue: **2009-06-05** Page 1 of 4

Applicant: **Don Electronics Limited**  
Westfield Industrial Estate  
Kirk Lane  
Yeadon  
Leeds  
LS19 7LX  
United Kingdom

Electrical Apparatus: **'Elite' range of grey plastic enclosures, complete with sensor circuits**  
Optional accessory:

Type of Protection: **Enclosure**

Marking: **IECEX BAS 05.0026X**  
**DIP DIP A21 TA125°C IP66 -20°C < ta < +50°C**

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

Position: **Managing Director**

Signature:  
(for printed version)

Date:

8-6-09

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:

**Baseefa**  
**Rockhead Business Park**  
**Staden Lane**  
**Buxton**  
**Derbyshire**  
**SK17 9RZ**  
**United Kingdom**





# IECEX Certificate of Conformity

Certificate No.: IECEx BAS 05.0026X  
Date of Issue: 2009-06-05 Issue No.: 1  
Page 2 of 4

Manufacturer: **Don Electronics Limited**  
Westfield Industrial Estate  
Kirk Lane  
Yeadon  
Leeds  
LS19 7LX  
United Kingdom

**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 61241-1-1 : 1999** Electrical apparatus for use in the presence of combustible dust - Part 1-1: Electrical apparatus protected by enclosures and surface temperature limitation - Specification for apparatus  
Edition: 2

*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*

IECEX ATR:  
UK/BAS/04/0894

File Reference:  
04/0894



# IECEX Certificate of Conformity

Certificate No.: IECEX BAS 05.0026X

Date of Issue: 2009-06-05

Issue No.: 1

Page 3 of 4

## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The enclosure is manufactured in plastic. The enclosure consists of an opaque grey body and transparent/clear lid, complete with silicone sponge gasket that is fitted in a rectangular groove in the lid. The lid is hinged to the body and secured by two stainless steel screws. The body has raised threaded bosses in the base to allow the securing of internal components/circuits. The enclosure has an ingress protection rating of IP66.

The enclosure may be fitted with one or more sensor circuits with a variety of different functions and circuit options. There must be a minimum of 10mm between the components and the enclosure wall.

The Maximum Power Dissipation for the type 864A and 1084B enclosure is 12 Watts per circuit with each circuit within the enclosure being protected by a combination of fuse and zener diodes. The zener diode has a voltage rating which is selected to be as close as possible to the supply voltage.

The 1084B enclosure may be fitted with an alternative internal certification label.

### CONDITIONS OF CERTIFICATION: YES as shown below:

This enclosure is a static hazard and shall only be cleaned with a damp cloth.



# IECEX Certificate of Conformity

Certificate No.: IECEX BAS 05.0026X

Date of Issue: 2009-06-05

Issue No.: 1

Page 4 of 4

## DETAILS OF CERTIFICATE CHANGES (for Issues 1 and above):

### Variation 1.1

This document permits existing information (for example on Schedule Drawings) to be replaced by the revised certificate holders name and address. No other changes may be made to the certified design





# 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](http://www.iecex.com)

Certificate No.: **IECEx BAS 05.0026X** Issue No.: **0**

Status: **Current**

Date of Issue: **2005-07-04** Page 1 of 3

Applicant: **Wheat Electronics Limited**  
Unit 4  
108 Hookstone Chase  
Harrogate  
North Yorkshire  
HG2 7HS  
United Kingdom

Electrical Apparatus: **'Elite' range of grey plastic enclosures, complete with sensor circuits**  
Optional accessory:

Type of Protection: **Enclosure**

Marking: **IECEx BAS 05.0026X**  
**DIP DIP A21 TA125°C IP66 -20°C < ta < +50°C**

Approved for issue on behalf of the IECEx  
Certification Body:

R S Sinclair

Position:

Managing Director

Signature:  
(for printed version)

  
6-7-05

Date:

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3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**Baseefa (2001) Ltd.**

Rockhead Business Park  
Staden Lane  
Buxton  
Derbyshire  
SK17 9RZ  
United Kingdom





# IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0026X**

Date of Issue: **2005-07-04**

Issue No.: **0**

Page **2** of **3**

Manufacturer: **Wheat Electronics Limited**  
Unit 4  
108 Hookstone Chase  
Harrogate  
North Yorkshire  
HG2 7HS  
United Kingdom

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 manufacture'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:

<b>IEC 61241-1-1 : 1999</b> Edition: 2	Electrical apparatus for use in the presence of combustible dust - Part 1-1: Electrical apparatus protected by enclosures and surface temperature limitation - Specification for apparatus
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*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*

IECEX ATR:  
**UK/BAS/04/0894**

File Reference:  
**04/0894**



# IECEx Certificate of Conformity

Certificate No.: IECEx BAS 05.0026X

Date of Issue: 2005-07-04

Issue No.: 0

Page 3 of 3

## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The enclosure is manufactured in plastic. The enclosure consists of an opaque grey body and transparent/clear lid, complete with silicone sponge gasket that is fitted in a rectangular groove in the lid. The lid is hinged to the body and secured by two stainless steel screws. The body has raised threaded bosses in the base to allow the securing of internal components/circuits. The enclosure has an ingress protection rating of IP66.

The enclosure may be fitted with one or more sensor circuits with a variety of different functions and circuit options. There must be a minimum of 10mm between the components and the enclosure wall.

The Maximum Power Dissipation for the type 864A and 1084B enclosure is 12 Watts per circuit with each circuit within the enclosure being protected by a combination of fuse and zener diodes. The zener diode has a voltage rating which is selected to be as close as possible to the supply voltage.

The 1084B enclosure may be fitted with an alternative internal certification label.

### CONDITIONS OF CERTIFICATION: YES as shown below:

This enclosure is a static hazard and shall only be cleaned with a damp cloth.

Annexe: