



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 BAS 05.0025X** issue No.:4
Status: **Current**
Date of Issue: **2011-08-22** Page 1 of 4


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

Electrical Apparatus: **Black plastic enclosures type 'HOTBOX', complete with sensor circuits**
Optional accessory:

Type of Protection: **Enclosure**

Marking: **IECEX BAS 05.0025X**
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: 22-8-11

Certificate history:
Issue No. 4 (2011-8-22)
Issue No. 3 (2011-4-12)
Issue No. 2 (2009-6-5)
Issue No. 1 (2005-12-6)

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 05.0025X

Date of Issue: 2011-08-22

Issue No.: 4

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/04/0893
GB/BAS/ExTR11.0026/00
GB/BAS/ExTR11.0202/00

File Reference:
04/0893
11/0052
11/0513



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 05.0025X

Date of Issue: 2011-08-22

Issue No.: 4

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The enclosure, Type HOTBOX, is 141mm x 111mm x 88mm.

The enclosure is manufactured in black glass reinforced injection moulded plastic. The enclosure consists of a body and lid complete with sponge cord gasket that is fitted in a rectangular groove within the lid. The lid is secured to the body by four M5 x 60 long stainless steel screws that thread into an M5 metallic insert which is held in a recessed hole in the body. On the inside of the base of the body there are four raised bosses each with a blind hole to allow the securing of internal components by the use of self tapping screws. The enclosure has an ingress protection rating of IP66.

The enclosures may be fitted with one or more sensor circuits with a variety of different functions and circuit options. There must be a minimum of 5mm between the components and the enclosure wall.

The Maximum Power Dissipation for the enclosure is 11.5 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 enclosure may also be fitted with direct or rail mounted terminal connections provided the total dissipated power in the terminal assembly does not exceed 11.5 Watts.

CONDITIONS OF CERTIFICATION: YES as shown below:

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



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 05.0025X

Date of Issue: 2011-08-22

Issue No.: 4

Page 4 of 4

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

Variation 4.1

Add an alternative label material

ExTR: GB/BAS/ExTR11.0202/00

File Reference: 11/0513



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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Certificate No.: **IECEx BAS 05.0025X** issue No.: **3**

Status: **Current**

Certificate history:
Issue No. 3 (2011-4-12)
Issue No. 2 (2009-6-5)
Issue No. 1 (2005-12-6)

Date of Issue: **2011-04-12** Page **1** of 4

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

Electrical Apparatus: **Black plastic enclosures type 'HOTBOX', complete with sensor circuits**
Optional accessory:

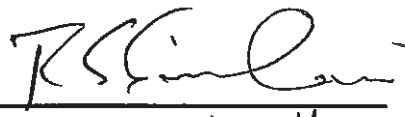
Type of Protection: **Enclosure**

Marking: **IECEx BAS 05.0025X**
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)


12-4-11

Date:

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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 05.0025X

Date of Issue: 2011-04-12

Issue No.: 3

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:

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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/04/0893
GB/BAS/ExTR11.0026/00

File Reference:
04/0893
11/0052



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 05.0025X

Date of Issue: 2011-04-12

Issue No.: 3

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The enclosure, Type HOTBOX, is 141mm x 111mm x 88mm.

The enclosure is manufactured in black glass reinforced injection moulded plastic. The enclosure consists of a body and lid complete with sponge cord gasket that is fitted in a rectangular groove within the lid. The lid is secured to the body by four M5 x 60 long stainless steel screws that thread into an M5 metallic insert which is held in a recessed hole in the body. On the inside of the base of the body there are four raised bosses each with a blind hole to allow the securing of internal components by the use of self tapping screws. The enclosure has an ingress protection rating of IP66.

The enclosures may be fitted with one or more sensor circuits with a variety of different functions and circuit options. There must be a minimum of 5mm between the components and the enclosure wall.

The Maximum Power Dissipation for the enclosure is 11.5 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 enclosure may also be fitted with direct or rail mounted terminal connections provided the total dissipated power in the terminal assembly does not exceed 11.5 Watts.

CONDITIONS OF CERTIFICATION: YES as shown below:

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



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 05.0025X

Date of Issue: 2011-04-12

Issue No.: 3

Page 4 of 4

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

Variation 3.1

To add minor drawing modifications

ExTR: **GB/BAS/ExTR11.0026/00**

File Reference: **11/0052**



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 BAS 05.0025X issue No.:2 Certificate history:
Issue No. 2 (2009-6-5)
Issue No. 1 (2005-12-6)

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: **Black plastic enclosures type 'HOTBOX', complete with sensor circuits**
Optional accessory:

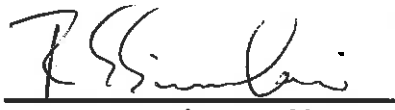
Type of Protection: **Enclosure**

Marking: **IECEx BAS 05.0025X**
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)


8-6-09

Date:

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Certificate issued by:

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





IECEX Certificate of Conformity

Certificate No.: IECEX BAS 05.0025X

Date of Issue: 2009-06-05

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:

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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/04/0893

File Reference:
04/0893



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 05.0025X

Date of Issue: 2009-06-05

Issue No.: 2

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The enclosure, Type HOTBOX, is 141mm x 111mm x 88mm.

The enclosure is manufactured in black glass reinforced injection moulded plastic. The enclosure consists of a body and lid complete with sponge cord gasket that is fitted in a rectangular groove within the lid. The lid is secured to the body by four M5 x 60 long stainless steel screws that thread into an M5 metallic insert which is held in a recessed hole in the body. On the inside of the base of the body there are four raised bosses each with a blind hole to allow the securing of internal components by the use of self tapping screws. The enclosure has an ingress protection rating of IP66.

The enclosures may be fitted with one or more sensor circuits with a variety of different functions and circuit options. There must be a minimum of 5mm between the components and the enclosure wall.

The Maximum Power Dissipation for the enclosure is 11.5 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 enclosure may also be fitted with direct or rail mounted terminal connections provided the total dissipated power in the terminal assembly does not exceed 11.5 Watts.

CONDITIONS OF CERTIFICATION: YES as shown below:

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



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 05.0025X

Date of Issue: 2009-06-05

Issue No.: 2

Page 4 of 4

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

Variation 2.1

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

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Certificate No.: **IECEX BAS 05.0025X** Issue No.: **1**

Status: **Current**

Date of Issue: **2005-12-06** Page **1** of **4**

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

Electrical Apparatus: **Black plastic enclosures type 'HOTBOX', complete with sensor circuits**
Optional accessory:

Type of Protection: **Enclosure**

Marking: **IECEX BAS 05.0025X**
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)*


6-12-05

Date:

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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 05.0025X

Date of Issue: 2005-12-06

Issue No.: 1

Page 2 of 4

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:

IEC 61241-1-1 : 1999 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/04/0893

File Reference:
04/0893



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 05.0025X

Date of Issue: 2005-12-06

Issue No.: 1

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The enclosure, Type HOTBOX, is 141mm x 111mm x 88mm.

The enclosure is manufactured in black glass reinforced injection moulded plastic. The enclosure consists of a body and lid complete with sponge cord gasket that is fitted in a rectangular groove within the lid. The lid is secured to the body by four M5 x 60 long stainless steel screws that thread into an M5 metallic insert which is held in a recessed hole in the body. On the inside of the base of the body there are four raised bosses each with a blind hole to allow the securing of internal components by the use of self tapping screws. The enclosure has an ingress protection rating of IP66.

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The enclosure may also be fitted with direct or rail mounted terminal connections provided the total dissipated power in the terminal assembly does not exceed 11.5 Watts.

CONDITIONS OF CERTIFICATION: YES as shown below:

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IECEX Certificate of Conformity

Certificate No.: **IECEX BAS 05.0025X**

Date of Issue: **2005-12-06**

Issue No.: **1**

Page **4** of **4**

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

Issue 1 of the certificate records correction of the dimensions of the enclosure given in the description. There is no technical change to the equipment. (Certificate originally issued 2005-07-04 showed incorrect dimensions 212mm x 60mm x 124mm)

Annexe:



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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Certificate No.: **IECEX BAS 05.0025X** 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: **Black plastic enclosures type 'HOTBOX', complete with sensor circuits**
Optional accessory:

Type of Protection: **Enclosure**

Marking: **IECEX BAS 05.0025X**
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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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 05.0025X**

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 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.

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TEST & ASSESSMENT REPORTS:

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IECEX ATR:
UK/BAS/04/0893

File Reference:
04/0893



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 05.0025X

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, Type HOTBOX, is 212mm x 60mm x 124mm.

The enclosure is manufactured in black glass reinforced injection moulded plastic. The enclosure consists of a body and lid complete with sponge cord gasket that is fitted in a rectangular groove within the lid. The lid is secured to the body by four M5 x 60 long stainless steel screws that thread into an M5 metallic insert which is held in a recessed hole in the body. On the inside of the base of the body there are four raised bosses each with a blind hole to allow the securing of internal components by the use of self tapping screws. The enclosure has an ingress protection rating of IP66.

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CONDITIONS OF CERTIFICATION: YES as shown below:

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

Annexe: