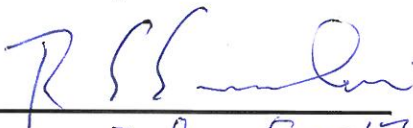




IECEX Certificate of Conformity

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 11.0018X issue No.:2
Status: **Current**
Date of Issue: 2013-08-28 Page 1 of 4
Applicant: **Don Electronics Limited**
Westfield Industrial Estate
Kirk Lane
Yeadon
Leeds
LS19 7LX
United Kingdom
Electrical Apparatus: 'Elite' range of enclosures complete with sensing circuits and power supply unit.
Optional accessory:
Type of Protection: Equipment dust ignition protection by enclosure 't'
Marking: Ex tc IIIC T125°C Dc IP66
Tamb -20°C to +45°C
Approved for issue on behalf of the IECEx Certification Body: R S Sinclair
Position: General Manager
Signature: 
(for printed version)
Date: 28-8-13

Certificate history:
Issue No. 2 (2013-8-28)
Issue No. 1 (2013-3-21)
Issue No. 0 (2011-6-1)

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.

Certificate issued by:

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





IECEX Certificate of Conformity

Certificate No.: IECEx BAS 11.0018X

Date of Issue: 2013-08-28

Issue No.: 2

Page 2 of 4

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

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 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

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

Test Report:

GB/BAS/ExTR11.0036/00

GB/BAS/ExTR12.0324/00

GB/BAS/ExTR13.0175/00

Quality Assessment Report:

GB/BAS/QAR07.0005/06



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 11.0018X

Date of Issue: 2013-08-28

Issue No.: 2

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

There are two sizes of empty enclosure that form the 'Elite' range complete with sensing circuits and power supply unit:

Type 864A: 165mm x 210mm x 132mm

Type 1084B: 215mm x 266mm x 132mm

The enclosure is manufactured in polycarbonate. 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. The enclosure is powered by a 24V DC supply or a 24V 25Watt power supply unit (PSU) via a 85-265V 50/60Hz supply. 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 25 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.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The equipment shall be suitably earth bonded via the PCB mounted earth terminal inside the equipment enclosure.
2. Warning: The equipment is a potential static hazard, clean only with a damp cloth.
3. Do not allow dust layers to build up on the equipment.



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 11.0018X

Date of Issue: 2013-08-28

Issue No.: 2

Page 4 of 4

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

Variation 2.1

To allow internal circuit modifications with ratings up to 24V DC 160mA

ExTR: GB/BAS/ExTR13.0175/00

File Reference: 13/0633



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 11.0018X** issue No.:1

Certificate history:
Issue No. 1 (2013-3-21)
Issue No. 0 (2011-6-1)

Status: **Current**

Date of Issue: **2013-03-21** Page 1 of 4

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

Electrical Apparatus: **'Elite' range of enclosures complete with sensing circuits and power supply unit.**
Optional accessory:

Type of Protection: **Equipment dust ignition protection by enclosure 't'**

Marking: **Ex tc IIIC T125°C Dc IP66 Tamb -20°C to +45°C**

Approved for issue on behalf of the IECEx
Certification Body:

PP R S Sinclair *M. Downey*

Position: General Manager

Signature:
(for printed version)

M. Downey

21/03/13

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:

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





IECEX Certificate of Conformity

Certificate No.: IECEx BAS 11.0018X

Date of Issue: 2013-03-21

Issue No.: 1

Page 2 of 4

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

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 Explosive atmospheres - Part 0: General requirements
Edition: 6.0

IEC 60079-31 : 2008 Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure 'I'
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

Test Report:

GB/BAS/ExTR11.0036/00

GB/BAS/ExTR12.0324/00

Quality Assessment Report:

GB/BAS/QAR07.0005/06



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 11.0018X

Date of Issue: 2013-03-21

Issue No.: 1

Page 3 of 4

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

There are two sizes of empty enclosure that form the 'Elite' range complete with sensing circuits and power supply unit:

Type 864A: 165mm x 210mm x 132mm

Type 1084B: 215mm x 266mm x 132mm

The enclosure is manufactured in polycarbonate. 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. The enclosure is powered by a 24V DC supply or a 24V 25Watt power supply unit (PSU) via a 85-265V 50/60Hz supply. 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 25 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.

CONDITIONS OF CERTIFICATION: YES as shown below:

1. The equipment shall be suitably earth bonded via the PCB mounted earth terminal inside the equipment enclosure.
2. Warning: The equipment is a potential static hazard, clean only with a damp cloth.
3. Do not allow dust layers to build up on the equipment.



IECEx Certificate of Conformity

Certificate No.: IECEx BAS 11.0018X

Date of Issue: 2013-03-21

Issue No.: 1

Page 4 of 4

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

Variation 1.1

To allow circuit modifications. This reduces the equipment ambient to +45°C.

Variation 1.2

To confirm that the equipment covered by this certificate has been reviewed against the requirements of IEC 60079-0: 2011 and IEC 60079-31: 2008 in respect of the differences from IEC 61241-0: 2004 and IEC 61241-1: 2004 and the equipment has been assessed and is in compliance with the requirements of the latest standards.

ExTR: GB/BAS/ExTR12.0324/00

File Reference: 12/0158



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 11.0018X issue No.:0 Certificate history:

Status: **Current**

Date of Issue: 2011-06-01 Page 1 of 3

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

Electrical Apparatus: **'Elite' range of enclosures complete with sensing circuits and power supply unit.**
Optional accessory:


Type of Protection: **Equipment dust ignition protection by enclosure 't'**

Marking: **Ex tD A22 T125°C 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)


1-6-11

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





IECEX Certificate of Conformity

Certificate No.: IECEx BAS 11.0018X

Date of Issue: 2011-06-01

Issue No.: 0

Page 2 of 3

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 61241-0 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
IEC 61241-1 : 2004 Edition: 1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*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:

[GB/BAS/ExTR11.0036/00](#)

Quality Assessment Report:

[GB/BAS/QAR07.0005/03](#)



IECEX Certificate of Conformity

Certificate No.: IECEx BAS 11.0018X

Date of Issue: 2011-06-01

Issue No.: 0

Page 3 of 3

Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

There are two sizes of empty enclosure that form the 'Elite' range complete with sensing circuits and power supply unit:

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Type 1084B: 215mm x 266mm x 132mm

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3. Do not allow dust layers to build up on the equipment.