

1 **SUPPLEMENTARY TYPE EXAMINATION CERTIFICATE**

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

3 Supplementary Type Examination Certificate Number: **Baseefa11ATEX0033X/3**

3.1 In accordance with Article 41 of Directive 2014/34/EU, 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 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: **'Elite' range of enclosures complete with sensor circuits and power supply unit**

5 Manufacturer: **Don Electronics Limited**

6 Address: **Westfield Industrial Estate, Kirk Lane, Yeadon, Leeds, LS19 7LX**

7 This supplementary certificate extends Type Examination Certificate No. Baseefa11ATEX0033X 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.

8 SGS Baseefa 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 Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014.

9 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 60079-31: 2014

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

12 The marking of the equipment remains unchanged

SGS Baseefa Customer Reference No. 4340

Project File No. 18/0157

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R S SINCLAIR

TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

M POWNEY
Certification
Manager

13

Schedule

14

Certificate Number Baseefa11ATEX0033X/3

15 Description of the variation to the Product

Variation 3.1

To confirm that the equipment covered by this certificate has been reviewed against the requirements of EN IEC 60079-0: 2018 and EN 60079-31: 2014 in respect to the differences from EN 60079-0: 2012 and EN 60079-31: 2009, and that none of these differences in the standards affects this equipment.

Variation 3.2

To add the option to include an output supply to external protected devices within the sensor circuits and power supply unit enclosure.

The output supply is limited to:

- 24V DC 1A maximum
- 2 off 2.5mm² terminal blocks
- 1 x 2.5mm² conductor maximum per terminal throat (1A max per terminal, 0.4 A/mm²)

16 Report Number

GB/BAS/ExTR18.0265/00

17 Specific Conditions of Use

The Conditions of Use are now updated as follows:

1. The equipment shall be earth bonded via the PCB mounted earth terminal inside the equipment.
2. Warning: This equipment is a potential electrostatic hazard, clean only with a damp cloth.
3. Do not allow dust layers to build up on this equipment.
4. When the enclosure fitted with sensor circuits also includes an output supply to power external devices the output supply cables shall be 2.5mm² maximum with a maximum of 24V DC and 1A maximum per terminal. For smaller conductors the current shall be reduced accordingly (0.4A/mm² max). The external device shall be suitably protected.

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
DE1237-1-001-S	1 of 1	6	17/10/18	Mechanical/electrical PSU arrangement
WE2005000-6	1 of 1	2	05/11/18	Generic label for Elite range 1084 enclosure Cat 3D
WE2005000-7	1 of 1	2	05/11/18	Generic label for Elite range 864 box Cat 3D

All drawings are common to, and held on, IECEx BAS 11.0018X

1 **SUPPLEMENTARY TYPE EXAMINATION CERTIFICATE**

2 **Equipment Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 Supplementary Type Examination Certificate Number: **Baseefa11ATEX0033X/2**

4 Equipment: **'Elite' range of enclosures complete with sensing circuits and power supply unit**

5 Manufacturer: **Don Electronics Limited**

6 Address: **Westfield Industrial Estate, Kirk Lane, Yeadon, Leeds, LS19 7LX**

7 This supplementary certificate extends Type Examination Certificate No. Baseefa11ATEX0033X to apply to equipment 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. **4340**

Project File No. **13/0633**

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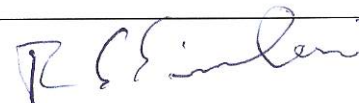
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**R S SINCLAIR
GENERAL MANAGER**

On behalf of SGS Baseefa Limited



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Schedule

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Certificate Number Baseefa11ATEX0033X/2

15 Description of the variation to the Equipment

Variation 2.1

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

16 Report Number

GB/BAS/ExTR13.0175/00

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
DE1237-1-001-X	1	5	20/08/13	Mechanical/electrical general PSU arrangement



1 **SUPPLEMENTARY TYPE EXAMINATION CERTIFICATE**

2 **Equipment Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 Supplementary Type Examination Certificate Number: **Baseefa11ATEX0033X/1**

4 Equipment: **'Elite' range of enclosures complete with sensing circuits and power supply unit**

5 Manufacturer: **Don Electronics Limited**

6 Address: **Westfield Industrial Estate, Kirk Lane, Yeadon, Leeds,
LS19 7LX**

7 This supplementary certificate extends Type Examination Certificate No. Baseefa11ATEX0033X to apply to equipment 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 Item 9 of the original Certificate is replaced by "Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2012 EN 60079-31: 2009

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

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

Ⓔ II 3D Ex tc IIIC T125°C Dc IP66 Tamb -20°C to +45°C

This certificate shall be held with the original certificate and may only be reproduced in its entirety, without any change, schedule included.


Baseefa Customer Reference No. **4340**

Project File No. **12/0158**

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.

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R S SINCLAIR
DIRECTOR
On behalf of
Baseefa



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Schedule

14

Certificate Number Baseefa00ATEX0000X/1

15 Description of the variation to the Equipment

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 EN 60079-0: 2012 and EN 60079-31: 2009 in respect of the differences from EN 61241-0: 2006 and EN 61241-1: 2004 and the equipment has been assessed and is in compliance with the requirements of the latest standards.

The marking will change as follows:

⊕ II 3D Ex tc IIIC T125°C Dc IP66 Tamb -20°C to +45°C

16 Report Number

GB/BAS/ExTR12.0324/00

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
DE1237-1-001-X	4	10/01/13	Mechanical/electrical general PSU arrangement
WE2005000-6	1	05/12/12	Generic label for Elite range 1084B enclosure (Category 3)
WE2005000-7	1	11/12/12	Generic label for Elite range 864A enclosure (Category 3)

This drawing is common to and held on IECEx BAS 11.0018X



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TYPE EXAMINATION CERTIFICATE

2

Equipment Intended for use in Potentially Explosive Atmospheres Directive 94/9/EC

3 Type Examination Certificate Number: **Baseefa11ATEX0033X**

4 Equipment: **'Elite' range of enclosures complete with sensing circuits and power supply unit.**

5 Manufacturer: **Don Electronics Limited**

6 Address: **Westfield Industrial Estate, Kirk Lane, Yeadon, Leeds, LS19 7LX**

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

8 Baseefa certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment of Category 3 intended for use in potentially explosive atmospheres given in Annex II to European Union Directive 94/9/EC of 23 March 1994.

The examination and test results are recorded in confidential Report No.

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

EN 61241-0: 2006 EN 61241-1: 2004

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 equipment is subject to special conditions for safe use specified in the schedule to this certificate.

11 This TYPE EXAMINATION CERTIFICATE relates only to the design of the specified equipment and not to specific items of equipment subsequently manufactured.

12 The marking of the equipment shall include the following :

⊕ II 3D Ex tD A22 T125°C IP66 Tamb -20°C to +50°C

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

Baseefa Customer Reference No. **4340**

Project File No. **10/0691**

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.

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Schedule

14

Certificate Number Baseefa11ATEX0033X

15 Description of Equipment

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.

16 Report Number

GB/BAS/ExTR11.0036/00

17 Special Conditions for Safe Use

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.

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	Issue	Date	Description
DE2010101	2	28/04/11	Enclosure general arrangement PSU
DE2010004	0	02/02/11	Generic Zone 22 schematic
WE2005000-6	0	28/04/11	Generic label for Elite Range 1084A box Category 3
WE2005000-7	0	28/04/11	Generic label for Elite Range 864A box Category 3

All drawings are common to and held on IECEx BAS 11.0018X