



1 **EC - TYPE EXAMINATION CERTIFICATE**

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

3 EC - Type Examination Certificate Number: **Baseefa02ATEX0152X Issue 1**

4 Equipment or Protective System: **Series SM87 General Purpose Alarm Station**

5 Manufacturer: **Cooper MEDC Limited**

6 Address: **Pinxton, Nottingham, NG16 6JF**

7 This equipment or protective system 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 equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report Nos.
GB/BAS/ExTR/10.0062/00 & GB/BAS/ExTR10.0063/00

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

EN 60079-0: 2009 EN 60079-11: 2007 EN 60079-26: 2007

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 or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

⊕ II 1G Ex ia IIC T4 Ga (-55°C ≤ Ta ≤ +55°C)

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

Baseefa Customer Reference No. 0676

Project File No. 07/1063

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

Rockhead Business Park, Staden Lane,
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e-mail info@baseefa.com web site www.baseefa.com

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



13

Schedule

14

Certificate Number Baseefa02ATEX0152X Issue 1

15 Description of Equipment or Protective System

The Series SM87 General Purpose Alarm Station is designed to provide an electrical signal and an optional indication when an alarm switch is manually operated.

It comprises an actuator mechanism with a break glass, a switch, an optional printed circuit board, and various components connected to a terminal block with up to twelve ways, all housed in a metal enclosure.

External connections are made at the terminal block through an entry gland.

The Series SM87 comprises the following variants:

SM87 BGLI is the standard General Purpose Alarm Station with a glass cover over the actuator

SM87 LBGLI is the same as SM87 BGLI but with a metal flap over the glass cover

SM87 PBLI is the same as SM87 BGLI but with a push button actuator, latching mechanism and the glass cover

SM87 PBMI is the same SM87 PBLI but without a latching mechanism fitted to actuator.

The marking code is: Ex II 1G Ex ia IIC T4 Ga (-55°C ≤ Ta ≤ +55°C)

Terminal Parameters

$$U_i = 29V$$

$$I_i = 147mA$$

$$P_i = 800mW$$

$$C_i = 0$$

$$L_i = 0$$

16 Report Number

GB/BAS/ExTR/10.0062/00 & GB/BAS/ExTR10.0063/00

17 Special Conditions for Safe Use

1. The equipment enclosure may optionally be made from an aluminium alloy and therefore must be protected from impact or friction if located in a zone 0.

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

New drawings submitted for this issue of certificate.

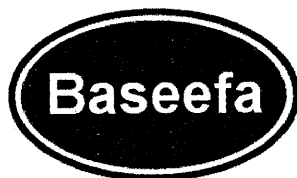
Number	Sheet	Issue	Date	Description
562-785	1	A	21-05-10	ATEX Certification Detail SM87BGLI, SM87LBGLI, SM87PBLI & SM87PBMI
562-786	1	A	06-05-10	SM87PBLI / PBMI ATEX Certification Label Details
562-787	1	A	06-05-10	SM87BGLI / LBGLI ATEX Certification Label Details

There are no other drawings associated with this certificate as the previously certified drawing is now considered obsolete.



20 Certificate History

Certificate No.	Date	Comments
Baseefa02ATEX0152X	19 November 2002	The release of the prime certificate. The associated test and assessment is documented in Test Report 02(C)0209.
Baseefa02ATEX0152X Issue 1	23 June 2010	To permit minor mechanical changes. This issue incorporates previously issued primary and supplementary certificates into one certificate and confirms that the current design meets the requirements of EN 60079-0: 2009, EN 60079-11: 2007 & EN 60079-26: 2007.
For drawings applicable to each issue, see original of that issue.		



- 1 **EC - TYPE EXAMINATION CERTIFICATE**
- 2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**
- 3 EC - Type Examination Certificate **Baseefa02ATEX0152X**
Number :
- 4 Equipment or protective system: **SERIES SM87 GENERAL PURPOSE ALARM STATION**
- 5 Manufacturer : **MEDC LIMITED**
- 6 Address : **Colliery Road, Pinxton, Nottingham, NG16 6JF**
- 7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 8 Baseefa (2001) Ltd. Notified body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems 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. **02(C)0209** dated **19th November 2002**
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 50014: 1997 + Amds 1 & 2 EN 50020: 2002 EN 50284: 1999
- 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 or protective system is subject to special conditions of safe use specified in the schedule to this certificate.
- 11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment or protective system.
- 12 The marking of the equipment or protective system shall include the following :
- ⊕ II 1 G EEx ia IIC T4 (-55°C ≤ T_a ≤ +55°C)
- This certificate may only be reproduced in its entirety, without any change, schedule included.

Baseefa (2001) Ltd. Customer Reference No. **0676**

Project File No. **02/0209**

This certificate is granted subject to the general terms and conditions of Baseefa (2001) Ltd. It does not necessarily indicate that the equipment may be used in particular industries or circumstances.

R S SINCLAIR
DIRECTOR
On behalf of
Baseefa (2001) Ltd.

Baseefa (2001) Ltd.
Health and Safety Laboratory Site, Harpur Hill,
Buxton, Derbyshire SK17 9JN
Telephone +44 (0) 1298 28255 Fax +44 (0) 1298 28216
e-mail info@baseefa2001.biz web site www.baseefa2001.biz
Registered in England No. 4305578 at 13 Dovedale Crescent, Buxton,
Derbyshire, SK17 9BJ



Schedule

15 Description of Equipment or Protective System

The Series SM87 General Purpose Alarm Station is designed to provide an electrical signal and an optional indication when an alarm switch is manually operated.

It comprises an actuator mechanism with a break glass, a switch, an optional printed circuit board, and various components connected to a terminal block with up to six ways, all housed in a metal enclosure.

External connections are made at the terminal block through a gland entry.

The Series SM87 comprises the following variants:

SM87 BGLI is the standard General Purpose Alarm Station with a glass cover over the actuator.

SM87 LBGLI is the same as SM87 BGLI but with a metal flap over the glass cover

SM87 PBLI is the same as SM87 BGLI but with a push button actuator, latching mechanism and the glass cover.

SM87 PBMI is the same SM87 PBLI but without a latching mechanism fitted to actuator.

Input Parameters:

$U_i = 29 \text{ V}$

$I_i = 147 \text{ mA}$

$P_i = 800 \text{ mW}$

$C_i = 0$

$L_i = 0$

16 Report No.

02(C)0209

17 Special Conditions for Safe Use

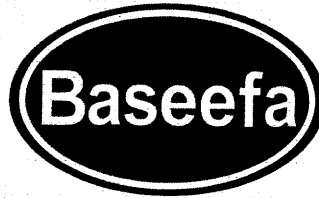
The apparatus enclosure is made from a metal alloy which must be protected against impact to avoid a possible risk of ignition due to impact.

18 Essential Health and Safety Requirements

None additional to those covered by the standards listed at item 9

19 Drawings and Documents

Number	Issue	Date	Description
462-236	A	11.07.00	General Purpose Alarm Station Series SM87



EC - TYPE EXAMINATION CERTIFICATE

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

- 3 EC - Type Examination Certificate Number: **Baseefa02ATEX0152X Issue 2**
- 4 Equipment or Protective System: **Series SM87 General Purpose Alarm Station**
- 5 Manufacturer: **Cooper MEDC Limited**
- 6 Address: **Pinxton, Nottingham, NG16 6JF**
- 7 This equipment or protective system 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 equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems 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. **GB/BAS/ExTR/11.0190/00**
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0: 2009 EN 60079-11: 2007 EN 60079-26: 2007
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 or protective system is subject to special conditions for safe use specified in the schedule to this certificate.
- 11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.
- 12 The marking of the equipment or protective system shall include the following :

⊕ II 1G Ex ia IIC T4 Ga (-55°C ≤ Ta ≤ +60°C)

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

Baseefa Customer Reference No. **0676**

Project File No. **11/0512**

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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e-mail info@baseefa.com web site www.baseefa.com

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

14

Certificate Number Baseefa02ATEX0152X Issue 2

15 Description of Equipment or Protective System

The Series SM87 General Purpose Alarm Station is designed to provide an electrical signal and an optional indication when an alarm switch is manually operated.

It comprises an actuator mechanism with a break glass, a switch, an optional printed circuit board, and various components connected to a terminal block with up to twelve ways, all housed in a metal enclosure.

External connections are made at the terminal block through an entry gland.

The Series SM87 comprises the following variants:

SM87 BGLI is the standard General Purpose Alarm Station with a glass cover over the actuator

SM87 LBGLI is the same as SM87 BGLI but with a metal flap over the glass cover

SM87 PBLI is the same as SM87 BGLI but with a push button actuator, latching mechanism and the glass cover

SM87 PBMI is the same SM87 PBLI but without a latching mechanism fitted to actuator.

The marking code is: Ex II 1G Ex ia IIC T4 Ga (-55°C ≤ Ta ≤ +60°C)

Terminal Parameters

U_i = 29V

I_i = 147mA

P_i = 800mW

C_i = 0

L_i = 0

16 Report Number

GB/BAS/ExTR11.0190/00

17 Special Conditions for Safe Use

1. The equipment enclosure may optionally be made from an aluminium alloy and therefore must be protected from impact or friction if located in a zone 0.

18 Essential Health and Safety Requirements

All relevant Essential Health and Safety Requirements are covered by the standards listed at item 9.

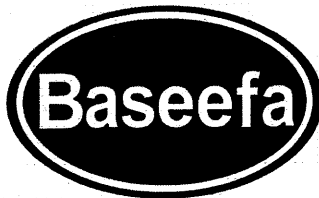
19 Drawings and Documents

New drawings submitted for this issue of certificate.

Number	Sheet	Issue	Date	Description
562-786	1	B	06/05/10	SM87 PBLI / PBMI ATEX Certification Labels
562-787	1	B	06/05/10	SM87 BGLI / LBGLI ATEX Certification Labels

Current drawings also associated with this certificate.

Number	Sheet	Issue	Date	Description
562-785	1	A	21-05-10	ATEX Certification Detail SM87BGLI, SM87LBGLI, SM87PBLI & SM87PBMI



20 Certificate History

Certificate No.	Date	Comments
Baseefa02ATEX0152X	19 November 2002	The release of the prime certificate. The associated test and assessment is documented in Test Report 02(C)0209.
Baseefa02ATEX0152X Issue 1	23 June 2010	To permit minor mechanical changes. This issue incorporates previously issued primary and supplementary certificates into one certificate and confirms that the current design meets the requirements of EN 60079-0: 2009, EN 60079-11: 2007 & EN 60079-26: 2007. The associated test and assessment is documented in Test Report Nos. GB/BAS ExTR10.0062/00 & GB/BAS ExTR10.0063/00.
Baseefa02ATEX0152X Issue 2	22 August 2011	To permit an increase in the upper ambient temperature from +55°C to +60°C. Certification labels appropriately modified. The associated test and assessment is documented in Test Report No. GB/BAS ExTR11.0190/00.

For drawings applicable to each issue, see original of that issue.

1 **EC - TYPE EXAMINATION CERTIFICATE**

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

3 EC - Type Examination Certificate Number: **Baseefa02ATEX0152X Issue 3**

4 Equipment or Protective System: **Series SM87 General Purpose Alarm Station**

5 Manufacturer: **Cooper MEDC Limited**

6 Address: **Pinxton, Nottingham, NG16 6JF**

7 This equipment or protective system 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 equipment or protective system has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment and protective systems 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's. **GB/BAS/ExTR14.0031/00**

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

EN 60079-0: 2009 EN 60079-11: 2007 EN 60079-26: 2007

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 or protective system is subject to special conditions for safe use specified in the schedule to this certificate.

11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified equipment or protective system. Further requirements of the Directive apply to the manufacturing process and supply of this equipment or protective system. These are not covered by this certificate.

12 The marking of the equipment or protective system shall include the following :

⊕ II 1G Ex ia IIC T4 Ga (-55°C ≤Ta ≤+60°C)

Baseefa Customer Reference No. **0676**

Project File No. **14/0065**

This document is issued by the Company subject to its General Conditions for Certification Services accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and the Supplementary Terms and Conditions accessible at <http://www.baseefa.com/terms-and-conditions.asp>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Baseefa Limited

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Registered in England No. 4305578.

Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN



R S SINCLAIR

GENERAL MANAGER

On behalf of SGS Baseefa Limited

13

Schedule

14

Certificate Number Baseefa02ATEX0152 – Issue 3

15 Description of Equipment or Protective System

The Series SM87 General Purpose Alarm Station is designed to provide an electrical signal and an optional indication when an alarm switch is manually operated.

It comprises an actuator mechanism with a break glass, a switch, an optional printed circuit board, and various components connected to a terminal block with up to thirteen ways, all housed in a metal enclosure.

External connections are made at the terminal block through an entry gland.

The Series SM87 comprises the following variants:

SM87 BGLI is the standard General Purpose Alarm Station with a glass cover over the actuator

SM87 LBGLI is the same as SM87 BGLI but with a metal flap over the glass cover

SM87 PBLI is the same as SM87 BGLI but with a push button actuator, latching mechanism and the glass cover

SM87 PBMI is the same SM87 PBLI but without a latching mechanism fitted to actuator.

The marking code is: Ex II 1G Ex ia IIC T4 Ga (-55°C ≤Ta ≤+60°C)

Terminal Parameters

$$U_i = 29V$$

$$I_i = 147mA$$

$$P_i = 800mW$$

$$C_i = 0$$

$$L_i = 0$$

16 Report Number

GB/BAS/ExTR14.0031/00

17 Specific Conditions of Use

1. The equipment enclosure may optionally be made from an aluminium alloy and therefore must be protected from impact or friction if located in a zone 0.

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

New drawings submitted for this issue of certificate.

Number	Sheet	Issue	Date	Description
562-785	1	B	08/01/14	ATEX Certification Detail SM87BGLI, SM87LBGLI, SM87PBLI & SM87PBMI

Current drawings also associated with this certificate.

Number	Sheet	Issue	Date	Description
562-786	1	B	06/05/10	SM87 PBLI / PBMI ATEX Certification Labels
562-787	1	B	06/05/10	SM87 BGLI / LBGLI ATEX Certification Labels

20 Certificate History

Certificate No.	Date	Comments
Baseefa02ATEX0152X	19 November 2002	The release of the prime certificate. The associated test and assessment is documented in Test Report 02(C)0209.
Baseefa02ATEX0152X Issue 1	23 June 2010	To permit minor mechanical changes. This issue incorporates previously issued primary and supplementary certificates into one certificate and confirms that the current design meets the requirements of EN 60079-0: 2009, EN 60079-11: 2007 & EN 60079-26: 2007. The associated test and assessment is documented in Test Report Nos. GB/BAS ExTR10.0062/00 & GB/BAS ExTR10.0063/00.
Baseefa02ATEX0152X Issue 2	22 August 2011	To permit an increase in the upper ambient temperature from +55°C to +60°C. Certification labels appropriately modified. The associated test and assessment is documented in Test Report No. GB/BAS ExTR11.0190/00.
Baseefa02ATEX0152X Issue 3	3 February 2014	To permit minor changes to the connection terminal. The associated test and assessment is documented in test report No. GB/BAS/ExTR14.0031/00.
For drawings applicable to each issue, see original of that issue.		

1 **EU - TYPE EXAMINATION CERTIFICATE**

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

3 EU - Type Examination Certificate **Baseefa02ATEX0152X – Issue 4**
Number:

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-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 EC-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: **Series SM87 General Purpose Alarm Station**

5 Manufacturer: **Eaton MEDC Limited**

6 Address: **Unit B, Sutton Parkway, Oddicroft Lane, Sutton-in-Ashfield, NG17 5FB**

7 This re-issued certificate extends EC Type Examination Certificate No. Baseefa02ATEX0152X to apply to product 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 Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 the Directive.

8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

The examination and test results are recorded in confidential Report No. **See Certificate History**

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

EN 60079-0:2012+A11:2013 EN 60079-11:2012

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 product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

Ex II 1 GD Ex ia IIC T4 Ga Ex ia IIIC T135°C Da (-55°C ≤ Ta ≤ +60°C)

SGS Fimko Oy Customer Reference No. **0676**

Project File No. **19/0203**

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SGS Fimko Oy

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e-mail sgs.fimko@sgs.com

web site www.sgs.fi

Business ID 0978538-5



D BREARLEY
Certification
Manager

R S SINCLAIR

Authorised Signatory for SGS Fimko Oy

13

Schedule

14

Certificate Number Baseefa02ATEX0152X – Issue 4

15 Description of Product

The Series SM87 General Purpose Alarm Station is designed to provide an electrical signal and an optional indication when an alarm switch is manually operated.

It comprises an actuator mechanism with a break glass, a switch, an optional printed circuit board, and various components connected to a terminal block with up to thirteen ways, all housed in a metal enclosure.

External connections are made at the terminal block through an entry gland.

The Series SM87 comprises the following variants:

SM87 BGLI is the standard General Purpose Alarm Station with a glass cover over the actuator

SM87 LBGLI is the same as SM87 BGLI but with a metal flap over the glass cover

SM87 PBLI is the same as SM87 BGLI but with a push button actuator, latching mechanism and the glass cover

SM87 PBMI is the same SM87 PBLI but without a latching mechanism fitted to actuator.

Terminal Parameters

$U_i = 29V$

$I_i = 147mA$

$P_i = 800mW$

$C_i = 0$

$L_i = 0$

16 Report Number

See Certificate History.

17 Specific Conditions of Use

1. The equipment enclosure may optionally be made from an aluminium alloy and therefore must be protected from impact or friction if located in a zone 0 area.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject	Compliance
1.4.1	External effects	User/Installer responsibility
1.4.2	Aggressive substances, etc.	User/Installer responsibility

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
562-785	1	C	08-06-15	ATEX Certification Detail SM87BGLI, SM87LBGLI, SM87PBLI & SM87PBMI
562-786	1	C	01-04-19	SM87 PBLI / PBMI ATEX Certification Labels
562-787	1	C	01-04-19	SM87 BGLI / LBGLI ATEX Certification Labels

Current drawings which remain unaffected by this issue:

None.

20 Certificate History

Certificate No.	Date	Comments
Baseefa02ATEX0152X	19 November 2002	The release of the prime certificate. The associated test and assessment is documented in Test Report 02(C)0209.
Bassefa02ATEX0152X Issue 1	23 June 2010	To permit minor mechanical changes. This issue incorporates previously issued primary and supplementary certificates into one certificate and confirms that the current design meets the requirements of EN 60079-0: 2009, EN 60079-11: 2007 & EN 60079-26: 2007. The associated test and assessment is documented in Test Report Nos. GB/BAS ExTR10.0062/00 & GB/BAS ExTR10.0063/00.
Bassefa02ATEX0152X Issue 2	22 August 2011	To permit an increase in the upper ambient temperature from +55°C to +60°C. Certification labels appropriately modified. The associated test and assessment is documented in Test Report No. GB/BAS ExTR11.0190/00.
Bassefa02ATEX0152X Issue 3	3 February 2014	To permit minor changes to the connection terminal. The associated test and assessment is documented in test report No. GB/BAS/ExTR14.0031/00.
Baseefa02ATEX0152X Issue 4	17 July 2019	To permit minor electrical and mechanical changes and to confirm that the equipment meets the requirements of EN 60079-0:2012+A11:2013 & EN 60079-11:2011. Additionally, to introduce Group III certification such that the SM87 may be additionally marked: ⊕ II 1 D Ex ia IIIC T135°C Da Test Report No. GB/BAS/ExTR19.0169/00. Project File No. 19/0203.
For drawings applicable to each issue, see original of that issue.		

1 **EU - TYPE EXAMINATION CERTIFICATE**

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

3 EU - Type Examination Certificate **Baseefa02ATEX0152X – Issue 5**
Number:

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-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 EC-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: **Series SM87 General Purpose Alarm Station**

5 Manufacturer: **Eaton MEDC Limited**

6 Address: **Unit B, Sutton Parkway, Oddicroft Lane, Sutton-in-Ashfield, NG17 5FB**

7 This re-issued certificate extends EC Type Examination Certificate No. **Baseefa02ATEX0152X** to apply to product 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 Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 the Directive.

8.1 The original certificate was issued by SGS Baseefa Ltd (UK Notified Body 1180). It, and any supplements previously issued by SGS Baseefa Ltd have been transferred to the supervision of SGS Fimko Oy (EU Notified Body 0598). The original certificate number is retained.

The examination and test results are recorded in confidential Report No. **See Certificate History**

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

EN IEC 60079-0:2018 EN 60079-11: 2012

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 product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

Ex II 1GD Ex ia IIC T4 Ga Ex ia IIIC T135°C Da (-55°C ≤ Ta ≤ +60°C)

SGS Fimko Oy Customer Reference No. **0676**

Project File No. **21/0385**

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Tuomas Hänninen
SGS Fimko Oy

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Schedule

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Certificate Number Baseefa02ATEX0152X – Issue 5

15 Description of Product

The Series SM87 General Purpose Alarm Station is designed to provide an electrical signal and an optional indication when an alarm switch is manually operated.

It comprises an actuator mechanism with a break glass, a switch, an optional printed circuit board, and various components connected to a terminal block with up to thirteen ways, all housed in a metal enclosure.

External connections are made at the terminal block through an entry gland.

The Series SM87 comprises the following variants:

SM87 BGLI is the standard General Purpose Alarm Station with a glass cover over the actuator

SM87 LBGLI is the same as SM87 BGLI but with a metal flap over the glass cover

SM87 PBLI is the same as SM87 BGLI but with a push button actuator, latching mechanism and the glass cover

SM87 PMBI is the same SM87 PBLI but without a latching mechanism fitted actuator.

Terminal Parameters

U_i = 29V

I_i = 147mA

P_i = 800mW

C_i = 0

L_i = 0

16 Report Number

See Certificate History

17 Specific Conditions of Use

1. The equipment enclosure may be optionally be made from an aluminium alloy and therefore must be protected from impact or friction if located in a zone 0 area.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject	Compliance
1.4.1	External effects	User/Installer responsibility
1.4.2	Aggressive Substances, etc.	User/Installer responsibility

19 Drawings and Documents

New drawings submitted for this issue of certificate:

None

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
562-785	1	C	08-06-15	ATEX Certification Detail SM87LBGLI, SM87PBLI & SM87PBMI
562-786	1	C	01-04-19	SM87 PBLI / PBMI ATEX Certification Labels
562-787	1	C	01-04-19	SM87 BGLI/ LBGLI ATEX Certification Labels

20 Certificate History

Certificate No.	Date	Comments
Baseefa02ATEX0152X	19 November 2002	The release of the prime certificate. The associated test and assessment is documented in Test Report No. 02(C)0209.
Baseefa02ATEX0152X Issue 1	23 June 2010	To permit minor mechanical changes. This issue incorporates previous issued primary and supplementary certificates into one certificate and confirm the current design meets the requirements of EN 60079-0: 2009, EN 60079-11: 2007 & EN 60079-26: 2007. The associated test and assessment is documented in Test Report GB/BAS/ExTR10.0062/00 & GB/BAS/ExTR10.0063/00.
Baseefa02ATEX0152X Issue 2	22 August 2011	to permit an increase in the upper ambient temperature from +55°C to +60°C. Certification labels appropriately modified. The associated test and assessment is documented in Test Report GB/BAS/ExTR/11.0190/00
Baseefa02ATEX0152X Issue 3	3 February 2014	To permit minor changes to the connection terminal. The associated test and assessment is documented in test report GB/BAS/ExTR14.0031/00.
Baseefa02ATEX0152X Issue 4	17 July 2019	To permit minor electrical and mechanical changes and to confirm that the equipment meets the requirements of EN 60079-0: 2012 +A11: 2013 & EN 60079-11: 2011. Additionally, to introduce Group III certification such that the SM87 may be additionally marked: ⊕ II 1D Ex ia IIIC T135°C Da. Test Report GB/BAS/ExTR19.0169/00. Project File 19/0203.
Baseefa02ATEX0152X Issue 5	1 November 2021	To assess the product against the requirements of EN IEC 60079-0: 2018. SGS Baseefa Certification Report 21(C)0385/01.
For drawings applicable to each issue, see original of that issue.		