UK-TYPE EXAMINATION CERTIFICATE

Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1

3	UK-Type Examination Certificate Number:	**BAS21UKEX0545X – Issue 1**
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 UK-Type Examination Certificate No. BAS21UKEX0545X 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 Baseefa, Approved Body number 1180, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), 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 Schedule 1 of the Regulations.

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 UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations 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 Baseefa Customer Reference No. **0676** Project File No. **22/0316**

SGS Baseefa Limited
Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ
Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail baseefa@sgs.com web site www.sgs.co.uk/sgsbaseefa
Registered in England No. 4305578.
Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN

UKAS PRODUCT CERTIFICATION
0191

R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

PP David Brearley

13 # Schedule

14 ## Certificate Number BAS21UKEX0545X – Issue 1

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
1.4.1	External effects
1.4.2	Aggressive Substances, etc.

19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
562-786	1	E	26-04-23	SM87 PBLI / PBMI ATEX/ UKEX Certification Labels
562-787	1	E	26-04-23	SM87 BGLI / LBGLI ATEX/ UKEX Certification Labels

For all other drawings see Baseefa02ATEX0152X.
These drawings are common to, and held with, Baseefa02ATEX0152X.

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
None				

20 Certificate History

Certificate No.	Date	Comments
BAS21UKEX0545	01 November 2021	The release of the prime certificate. The associated test and assessment against the requirements of EN IEC 60079-0:2018 and EN 60079-11: 2012 is documented in Test Report 21(C)0385.
BAS21UKEX0545X Issue 1	28 June 2023	To permit an update to the marking to include the 200mm dust maximum surface temperature. Assessment is documented in report GB/SGS/ExTR23.0033/00. Project No. 22/0316.
For drawings applicable to each issue, see original of that issue.		