IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx BAS 10.0033X**

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Certificate history:

Status: **Current**

Issue No: 6

Issue 5 (2019-07-17)
Issue 4 (2016-09-29)
Issue 3 (2014-02-04)
Issue 2 (2013-03-04)
Issue 1 (2011-08-25)
Issue 0 (2010-07-06)

Date of Issue: 2023-06-29

Applicant: **Eaton MEDC Limited**
Unit B, Sutton Parkway
Oddicroft Lane
Sutton-in-Ashfield
NG17 5FB
United Kingdom

Equipment: **Series SM87 General Purpose Alarm Station**

Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking: **Ex ia IIC T4 Ga**
Ex ia IIIC T_{200}135°C Da
(-55°C ≤ Ta ≤ +60°C)

Approved for issue on behalf of the IECEx Certification Body: **R S Sinclair**

Position: **Technical Manager**

Signature: (for printed version)

pp David Brearley

Date: (for printed version)

29/06/2023

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 www.iecex.com or use of this QR Code.

Certificate issued by:

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

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Date of issue: 2023-06-29 Issue No: 6

Manufacturer: **Eaton MEDC Limited**
Unit B, Sutton Parkway
Oddicroft Lane
Sutton-in-Ashfield
NG17 5FB
United Kingdom

Manufacturing locations:

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 equipment 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 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with 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 Reports:

GB/BAS/ExTR10.0062/00 GB/BAS/ExTR10.0063/00 GB/BAS/ExTR14.0031/00
GB/BAS/ExTR19.0169/00 GB/SGS/ExTR23.0033/00

Quality Assessment Report:

GB/BAS/QAR06.0023/11

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

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

SPECIFIC CONDITIONS OF USE: YES as shown below:
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.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Variation 6.1

To confirm the equipment meets the requirements of IEC 60079-0:2017 and a change in the marking to show the 200mm dust maximum surface temperature.

ExTR: **GB/SGS/ExTR23.0033/00**	File Reference: **22/0316**