



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 19.0076X

Issue No: 0

Certificate history:

Issue No. 0 (2019-08-13)

Status: **Current**

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Date of Issue: **2019-08-13**

Applicant: **Eaton Electric Limited**
Great Marlings
Butterfield
Luton
Bedfordshire
LU2 8DL
United Kingdom

Equipment: **MA15E Range AC and DC Power Surge Protective Device with Filter**

Optional accessory:

Type of Protection: **Type of Protection 'n'**

Marking: **Ex nA IIC T4 Gc (-40°C ≤ Ta ≤ +70°C)**

Approved for issue on behalf of the IECEx
Certification Body:

R.S. Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:

13-8-19

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





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Manufacturer: **Eaton Electric Limited**
Great Marlings
Butterfield
Luton
Bedfordshire
LU2 8DL
United Kingdom

Additional Manufacturing location(s):

MTL Instruments Pvt Limited
No 3 Old Mahabalipuram Road
Sholinganallur
Chennai 600119
India

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 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 : 2017 Edition:7.0	Explosive atmospheres - Part 0: Equipment - General requirements
IEC 60079-15 : 2010 Edition:4	Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

*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/ExTR19.0206/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0022/08](#)

[GB/BAS/QAR07.0017/07](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The MA15E AC and DC Power Surge Protection Device With Filter are designed to provide protection to electronic equipment and computer networks located in a Zone 2 hazardous area. The equipment is designed to suppress conducted RFI and voltage surges using a three stage combination of protection elements. The equipment can be connected to the supply of the equipment it is protecting in a series or parallel connection configuration.

The equipment comprises electronic surge protection circuitry mounted on a single printed circuit board housed in a DIN rail moulded plastic enclosure designed to be mounted in a suitable certified enclosure. External connections to the 'Unprotected' and 'Protected' sides of the equipment are via polarised plug and socket connectors with screw terminals located on each side of the equipment. A LED is mounted on top of the enclosure to provide indication of 'power on' and protection being provided.

Two models of the AC and DC Power Surge Protection Device With Filter are available, the MA15E/D/1/SI & MA15E/D/2/SI MTL Surge Protection Device. The construction of these models is the same, the only differences is the rating of the surge protection components fitted.

The two models have the following parameters:

Model	MA15E/D/1/SI	MA15E/D/2/SI
Rated Voltage	120Va.c/d.c	240Va.c/d.c
Rated Current	15A	10A

SPECIFIC CONDITIONS OF USE: YES as shown below:

- 1) The equipment must be installed in an enclosure that provides a minimum ingress protection of IP54 in accordance with IEC 60079-0.
- 2) All connections to the equipment must not be inserted or removed unless either the area in which the equipment is installed is known to be non-hazardous, or the circuit to which it is connected has been de-energised.
- 3) The equipment is fitted with transient protection devices and is incapable of withstanding the 500V dielectric strength test of clause 6.5.1 of IEC 60079-15: 2010. This must be taken into account when installing the equipment.