



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 13.0017X

Issue No: 2

Certificate history:

Status: **Current**

Issue No. 2 (2017-06-12)

Issue No. 1 (2015-05-13)

Date of Issue: **2017-06-12**

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Issue No. 0 (2013-03-04)

Applicant: **Eaton Electric Limited**

Great Marlings,

Butterfield,

Luton,

Bedfordshire,

LU2 8DL

United Kingdom

Equipment: **SSP***X Series Surge Protection Devices**

Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking:

Ex ia IIC T4 Ga (-30°C ≤ Ta ≤ 80°C/60°C/40°C) see Annex.

Approved for issue on behalf of the IECEx
Certification Body:


R S Sinclair

Position:

Technical Manager

Signature:
(for printed version)

Date:


PP A. Bellman
12th June 2017

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,
600 119,
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 electrical 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

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

*This Certificate **does not** indicate compliance with 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/ExTR12.0034/00

GB/BAS/ExTR13.0034/00

GB/BAS/ExTR16.0329/00

Quality Assessment Report:

GB/BAS/QAR06.0022/06

GB/BAS/QAR07.0017/06



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The range designated as the SSP***X Series Surge Protection Devices are designed to protect instrumentation and electronic systems from surges and transients conducted through signal cables.

The apparatus comprises a printed circuit board (p.c.b.) upon which are mounted all of the electrical components. The units use three terminal gas discharge tubes, diodes, zener diodes, varistors, sidactors and resistors for operational purposes and may be optionally encapsulated. The p.c.b. is housed within a plastic enclosure with two groups of two terminals (1 & 2 and 3 & 4) at either end of the enclosure, for the connection of the interconnecting cables. An earth shoe is fitted to the apparatus to enable connection of an earth bonding conductor with a cross sectional area of at least 4mm².

The SSP***X Series comprises six units SSP07X, SSP16X, SSP32X, SSP55X, SSP75X and SSP200X. The "***" in the apparatus title indicates the nominal voltage the apparatus is designed to work at. The working voltage and operating voltage of the devices are not critical for the safety assessment.

The Surge Protected Devices are passive and therefore the surge protected output parameters are equal to the parameters of the device connected to the field terminals.

See Annex for Input and Output Parameters.

SPECIFIC CONDITIONS OF USE: YES as shown below:

- 1) The plastic enclosure may present an electrostatic risk and must only be cleaned with a damp cloth.
- 2) The SSP***X Series Surge Protection Devices will not meet the 500V insulation requirements to earth, therefore suitable precautions must be taken when installing the apparatus.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):

Variation 2.1

To permit the manufacturer's name to be changed on the certificate and on the equipment marking. No other changes are made to the equipment design.

ExTR: GB/BAS/ExTR16.0329/00

File Reference: 16/0371

Annex:

IECEx BAS 13.0017X Annex.pdf