



# 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](http://www.iecex.com)

Certificate No.: IECEx BAS 10.0005U

Issue No: 3

Certificate history:

Status: **Current**

Issue No. 3 (2017-11-29)

Issue No. 2 (2014-01-16)

Date of Issue: **2017-11-29**

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Issue No. 1 (2012-03-01)

Issue No. 0 (2010-04-09)

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

Equipment: **9376-SP Trunk Surge Protector**

Optional accessory:

Type of Protection: **Flameproof, Increased Safety, Encapsulation**

Marking: **Ex d e mb IIC Gb (-40°C ≤ Ta ≤ +75°C)**

Approved for issue on behalf of the IECEx  
Certification Body:

R S Sinclair

Position:

Technical Manager

Signature:  
(for printed version)

Date:

30-11-17

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):

**RTK Instruments Ltd**  
St James Business Park  
Knaresborough  
North Yorkshire  
HG5 8PJ  
United Kingdom

**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 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:

<b>IEC 60079-0 : 2011</b> Edition:6.0	Explosive atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2007-04</b> Edition:6	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 60079-18 : 2009</b> Edition:3	Explosive atmospheres Part 18: Equipment protection by encapsulation "m"
<b>IEC 60079-7 : 2006-07</b> Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*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/ExTR09.0125/00](#)      [GB/BAS/ExTR11.0194/00](#)      [GB/BAS/ExTR13.0147/00](#)  
[GB/BAS/ExTR16.0297/00](#)

Quality Assessment Report:

[GB/BAS/QAR06.0022/07](#)      [GB/BAS/QAR07.0017/06](#)      [GB/BAS/QAR07.0035/04](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The 9376-SP Trunk Surge Protector is a component module that is designed to connect across a Fieldbus line as part of other equipment. It comprises an encapsulated circuit and live disconnect connectors to enable it to be fitted and removed without first powering down the Fieldbus line. Its function is to provide transient protection for other equipment connected to the Fieldbus line.

Refer to the certificate annex for the Schedule of Limitations.

**SPECIFIC CONDITIONS OF USE: NO**



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

### Variation 3.1

To permit the correction of the equipment title on page 1 of the certificate.

### Variation 3.2

To permit company name change from 'Measurement Technology Limited' to 'Eaton Electric Limited'.

ExTR: **GB/BAS/ExTR16.0297/**

File Reference: **16/0371**

### Annex:

[IECEX BAS 10.0005U-Annex1.pdf](#)

**SGS Baseefa Limited**  
Rockhead Business Park  
Staden lane, Buxton, Derbyshire  
SK17 9RZ  
United Kingdom



ANNEX to IECEx BAS 10.0005U

Issue No. 1

Date: 2014/01/16

#### **Schedule of Limitations**

1. The 9376-SP Trunk Surge Protector must be housed in an appropriately certified Ex e enclosure.
2. The 9376-SP Trunk Surge Protector must plug into equipment that uses the socket part of the connector covered by certificate TUV09ATEX555354U.
3. Due to the presence of transient protection components between the fieldbus and earth connections, the 9376-SP Trunk Surge Protector will not withstand a 500V a.c. dielectric strength test. This must be taken into account during installation.
4. The ambient temperature must not exceed +75°C.
5. The 9376-SP Trunk Surge Protector shall only be powered from supplies conforming to IEC 61158.
6. The 9376-SP Trunk Surge Protector shall only be connected into equipment that causes the secondary latching connector to limit movement before the live-demateable connector plug and socket metal parts separate by over 1.9mm.
7. When used within the limitations present on this certificate, the component is intended to meet the requirements for temperature class T4 without further temperature testing.