

1 **EU - TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 2014/34/EU**

3 EU - Type Examination Certificate **Baseefa04ATEX0053X – Issue 6**
Number:

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016.

4 Product: **TP48 and TP32 Range of Surge Protection Devices**

5 Manufacturer: **Eaton Electric Limited**

6 Address: **Great Marlings, Butterfield, Luton, Bedfordshire, LU2 8DL**

7 This re-issued certificate extends EC Type Examination Certificate No. Baseefa04ATEX0053X 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, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 Annex II to the Directive.

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 60079-0: 2012 + A11: 2013 EN 60079-1: 2014

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 EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive 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 :

⊕ II 2G Ex db IIC T6 Gb (T_{amb} = -40°C to +70°C)

SGS Baseefa Customer Reference No. **0703**

Project File No. **16/0371**

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SGS Baseefa Limited

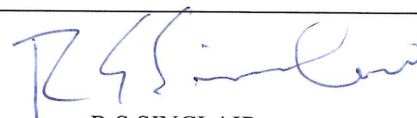
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R S SINCLAIR

TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number Baseefa04ATEX0053X – Issue 6**

15 **Description of Product**

The TP48 and TP32 range of Surge Protection Devices comprises a solid drawn hexagon bar of stainless steel drilled along its axis to accept a printed circuit board with up to five permanently attached cables. The printed circuit board is potted into the housing which has a choice of the male thread form for attachment purposes. The designation of the surge protection units depends upon external thread form, N, I or G for ½” NPT, 20mm, and G1/2 respectively, and the internal component values

The TP48 and TP32 devices are rated at 35Vd.c. and 32Vd.c. respectively, with a surge capacity up to 10kA for 20ms
Internal and external earth facilities are not provided.

16 **Report Number**

GB/BAS/ExTR16.0289/00

17 **Specific Conditions of Use**

1. The permanently attached cables shall be suitably protected against pulling, mechanical damage and terminated within a terminal or junction facility suitable for the conditions of use.
2. These devices are not provided with an external connection facility for an earthing or bonding conductor. It is the user’s responsibility to ensure adequate earth continuity via the mounting arrangements.
3. This equipment is also afforded Intrinsically Safe Certification to Baseefa04ATEX0251X, and hence the equipment is dual marked. It is the user’s responsibility to determine the protection concept to be applied and permanently mark the equipment in the space provided for guidance in installation and maintenance.
4. If attached to a flameproof enclosure the surge protectors shall be provided with a high strength locking compound on the mounting thread.

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

- | | |
|-------|--|
| 1.2.7 | LVD type requirements |
| 1.2.8 | Overloading of equipment (protection relays, etc.) |
| 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
1100438	1 to 6	G	8.16	TP** Certification Drawing for ATEX

This drawing is associated and held with IECEx BAS 07.0045X Issue 7, and also associated with IECEx BAS 15.0056X Issue 1 and Baseefa04ATEX0251X Issue 6.

20 Certificate History

Certificate No.	Date	Comments
Baseefa04ATEX0053X	9 September 2014	The release of the prime certificate. The associated test and assessment is documented in Test Report No. 04(C)0057.
Baseefa04ATEX0053X/1	20 February 2005	To permit alternative designations TP24/7-N-NDI, TP24/7-I-NDI, TP24/7-G-NDI depending on thread form.
Baseefa04ATEX0053X/2	2 December 2008	To permit an alternative manufacturing location and minor changes to the marking.
Baseefa04ATEX0053X/3	20 September 2010	To permit alternative grades of stainless steel for the body.
Baseefa04ATEX0053X/4	27 February 2012	Minor drawing amendments and review for compliance with EN60079-0: 2009, EN60079-1: 2007.
Baseefa04ATEX0053X- Issue 5	13 August 2015	To note a change in manufacturer's name and address. Additionally the equipment is considered to comply with EN 60079-0: 2012 +A11: 2013 and EN 60079-1: 2014
Baseefa04ATEX0053X- Issue 6	22 November 2017	This issue of the certificate permits a change in the company name and the associated marking changes. The assessment is recorded in Test Report GB/BAS/ExTR16.0289/00. Project File 16/0371.
For drawings applicable to each issue, see original of that issue.		