

1 **UK-TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
UKSI 2016:1107 (as amended) – Schedule 3A, Part 1**

3 UK-Type Examination Certificate Number: **BAS21UKEX0559X**

4 Product: **TP48, TP32 and TP24/7 Range of Surge Protection Devices**

5 Manufacturer: **Eaton Electric Limited**

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

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 SGS Baseefa, Approved Body number 1180, in accordance with Regulation 43 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), 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 Schedule 1 of the Regulations.

The examination and test results are recorded in confidential Report No. **21(C)0386/41**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018 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 UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations 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 2 G Ex db IIC T6 Gb Tamb -40°C to + 70°C.**

SGS Baseefa Customer Reference No. **0703**

Project File No. **21/0386**

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*R S Sinclair*

R S SINCLAIR  
TECHNICAL MANAGER  
On behalf of SGS Baseefa Limited

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## Schedule

14

**Certificate Number BAS21UKEX0559X**

### 15 Description of Product

The TP48, TP32 and TP24/7 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 20 ms

Internal and external earth facilities are not provided.

The Models TP24/7-N-NDI, TP24/7-I-NDI and TP24/7-G-NDI are similar to the above models, the only difference being the use of alternative components. The central letter of the model number denoting different thread forms.

### 16 Report Number

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### 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:

Clause	Subject	Compliance
13	Protection against other hazards (LVD type requirements, etc.)	Manufacturer responsibility
14	Overloading of equipment (protection relays, etc.)	User/Installer responsibility
22(1)	External effects	User/Installer responsibility
22(2)	Aggressive substances, etc.	User/Installer responsibility

### 19 Drawings and Documents

Number	Sheet	Issue	Date	Description
1100438	1 to 6	H	20SEP21	TP** CERTIFICATION DRAWING FOR ATEX

This drawing is common to BAS21UKEX0560X.

For other current drawings not re-submitted for this assessment see Baseefa04ATEX0053X.