

1 **TYPE EXAMINATION CERTIFICATE**

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres  
UKSI 2016:1107 (as amended)**

3 Type Examination Certificate Number: **BAS21UKEX0169X**

4 Product: **Type PEC Equi-Potential Clamp**

5 Manufacturer: **ERICO Europe B.V.**

6 Address: **Jules Verneweg 75, 5015 BG Tilburg, Netherlands**

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 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 Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended).

The examination and test results are recorded in confidential Report No. **21(C)0089**

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

**EN IEC 60079-0: 2018 EN IEC 60079-15: 2019**

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 TYPE EXAMINATION CERTIFICATE relates only to the design of the specified product and not to specific products subsequently manufactured.

12 The marking of the product shall include the following :

**⊕ II 3G Ex nC IIC T5 Gc Tamb -30°C to +70°C**

SGS Baseefa Customer Reference No. **5301**

Project File No. **21/0089**

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R S SINCLAIR  
TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

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## Schedule

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**Certificate Number BAS21UKEX0169X**

### 15 Description of Product

The Type PEC Equi-Potential Clamp consists of a sealed spark gap encapsulated in a metal tube with integral leads to enable connection between circuits. The device presents an effective open circuit until the ground potential difference exceeds its breakdown voltage. The circuit immediately closes, and ground potentials are equalised.

There are two models in the range, a Type PEC 100 and a type PEC100/500.

The equipment is IP66/67 rated

### 16 Report Number

21(C)0089

### 17 Specific Conditions of Use

1. Local heating by pipelines and other hot surfaces in the vicinity of the installation of the product must be considered by the installer to ensure that the specified maximum ambient temperature is not exceeded.
2. Connection of the integral cables must be in accordance with the applicable requirements for the zone in which the connections are made.

### 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
1.4.1	External effects
1.4.2	Aggressive substances, etc.

### 19 Drawings and Documents

Number	Sheet	Issue	Date	Description
PEC100	1 to 4	E	02 Jul 2021	Surge Protection
Baseefa13ATEX0113X				
IECEX BAS 13.0065X				