

## 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 **Baseefa14ATEX0007X – Issue 1**  
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: **IS LED Lamp Type P861**

5 Manufacturer: **Eaton Electric Limited**  
(Formerly Measurement Technology Limited)

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

7 This re-issued certificate extends EC Type Examination Certificate No. Baseefa14ATEX0007X 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 60079-11: 2012**

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 :

**Ex II 2 G Ex ia IIC T4 Gb (-20°C ≤ Ta ≤ +60°C)**

SGS Baseefa Customer Reference No. **0703**

Project File No. **16/0371**

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*Baseefa*  
*PROBRETARLEY*

R S SINCLAIR  
TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

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## Schedule

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**Certificate Number Baseefa14ATEX0007X – Issue 1**

### 15 Description of Product

The IS LED Lamp type P861 is an intrinsically safe light source designed to fit into either the DFR30IS annunciator or the DA-170 illuminated switch, these are also covered by this certification.

The DFR30IS is an aluminium framed annunciator with a number of separate plastic windows designed to be illuminated by a number of P861 lamps. The DA170 is an illuminated circular push button with a metallic or plastic bezel, the DA170 is intended to be illuminated by the P861 lamp.

#### Input Parameters

##### Lamp contacts

$$U_i = 30V$$

$$I_i = 2A$$

$$P_i = 1W$$

$$C_i = 0$$

$$L_i = 0$$

##### Switch Circuit (DA-170 only)

$$U_i = 30V$$

$$I_i = 2A$$

$$C_i = 0$$

$$L_i = 0$$

### 16 Report Number

None

### 17 Specific Conditions of Use

#### P861

- 1 The P861 IS LED Lamp must be segregated from other circuits in accordance with the requirements of EN 60079-11 and installed into an IP20 enclosure.

#### DA170 and DFR30IS

1. The DA170 / DFR30IS external connections must be housed within an enclosure meeting the requirements of IP 20 and segregated from other circuits in accordance with the requirements of EN 60079-11.

### 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
1.4.1	External effects	The Purchaser should make the manufacturer aware of such issues.
1.4.2	Aggressive substances, etc.	The Purchaser should make the manufacturer aware of such issues.

## 19 Drawings and Documents

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
LA6486	1	2	8.16	Certification Drawing Label for I.S LED Lamp
LA-11485	1	1	8.16	Certification Label for DA170 Pushbutton
LA-11486	1	1	8.16	Certification Label for DFR30IS

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
CE4302	1	2	03/04/08	Certification Drawing Complete Assembly for IS LED Lamp
CE4382	1	1	10-06-1999	Certification Drawing Circuit Diagram for IS LED Lamp
CE4383	1	1	10-06-1999	Certification Drawing Parts List For I.S. LED Lamp
CE4388	1	2	12/12/07	Certification Drawing Regulator Board for I.S. LED Lamp
CE4390	1	1	10-06-1999	Certification Drawing LED Board for I.S. LED Lamp
GA-11484	1	0	21 MAY 08	General Arrangement DFR30IS Medium/Large Window Lamp Only Display
CE4402-3	1	3	21/05/14	Certification Drawing GA For Complete I.S. Illuminated Pushbutton

## 20 Certificate History

Certificate No.	Date	Comments
Baseefa14ATEX0007X	28 May 2014	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0: 2012 & EN 60079-11: 2012 is documented in Test Report No. GB/BAS/ExTR14.0036/00 for project 13/0236.  This certificate was originally issued to RTK Instruments Limited and was subsequently transferred to Measurement Technology Limited.
Baseefa14ATEX0007X Issue 1	20 November 2017	This issue of the certificate confirms the current designs of the equipment have been reviewed against the requirements of EN 60079-0: 2012 + A11: 2013 in respect of the differences from EN 60079-0: 2012 and none of the differences affect the equipment.  The certificate also permits a change of company name from 'Measurement Technology Limited' to 'Eaton Electric Limited'. Project number: 16/0371.
For drawings applicable to each issue, see original of that issue.		