



EU - TYPE EXAMINATION CERTIFICATE

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

- 3 EU - Type Examination Certificate Number: **Baseefa14ATEX0117U – Issue 1**
- 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: **F93-XE Fieldbus Terminator**
- 5 Manufacturer: **Eaton Electric Limited**
- 6 Address: **Butterfield, Luton, LU2 8DL**
- 7 This re-issued certificate extends EC Type Examination Certificate No. Baseefa14ATEX0117U 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 60079-7:2007 EN 60079-18:2009
except in respect of those requirements listed at item 18 of the Schedule.
- 10 The sign “U” is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- 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 e mb IIC Gb (Ta = -40°C to +75°C)

SGS Baseefa Customer Reference No. **0703**

Project File No. **16/0371**

This document is issued by the Company subject to its General Conditions for Certification Services accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and the Supplementary Terms and Conditions accessible at <http://www.sgs.com/SGSBaseefa/Terms-and-Conditions.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein reflects the Company’s findings at the time of its intervention only and within the limits of Client’s instructions, if any. It does not necessarily indicate that the equipment may be used in particular industries or circumstances. The Company’s sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, schedule included, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.

SGS Baseefa Limited

Rockhead Business Park, Staden Lane,
Buxton, Derbyshire SK17 9RZ

Telephone +44 (0) 1298 766600 Fax +44 (0) 1298 766601
e-mail baseefa@sgs.com web site www.sgs.co.uk/baseefa

Registered in England No. 4305578.

Registered address: Rossmore Business Park, Ellesmere Port, Cheshire, CH65 3EN

R S SINCLAIR
TECHNICAL MANAGER

On behalf of SGS Baseefa Limited

13

Schedule

14

Certificate Number Baseefa16ATEX0117U – Issue 1

15 Description of Component

The F93-XE Fieldbus Terminator is designed for use in MTL's 937x-FB2 (enclosure system) and 938x-FB2 (open-frame) Fieldbus Barriers. It provides the "far end" termination that is required for device couplers in FOUNDATION Fieldbus H1 networks.

The F93-XE Fieldbus Terminator contains resistive and capacitive components mounted on a fully encapsulated PCB. The F93-XE is mounted by clamping its two pins in suitable terminals. These pins also provide connections to the unit.

The F93-XE Fieldbus Terminator must not be removed or replaced while the Fieldbus Barrier segment is under power in a hazardous area.

Rated voltage = 32V d.c. + 2V a.c. pk-pk

16 Report Number

GB/BAS/ExTR16.0283/00

17 Schedule of Limitations

1. When used within the limits on this certificate, the F93-XE Fieldbus Terminator is considered suitable for temperature class T4.
2. The F93-XE Fieldbus Terminator must be housed in an appropriately certified Ex e enclosure.
3. The F93-XE Fieldbus Terminator shall only be powered from supplies conforming to IEC 61158.
4. The potting material must be protected from UV light.

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

New drawings submitted for this issue of certificate:

Number	Sheet	Issue	Date	Description
CI9378-14	1	2	8.16	F93-XE Fieldbus Terminator -Certification Label

Current drawings which remain unaffected by this issue:

Number	Sheet	Issue	Date	Description
CI9378-11	1	1	4.14	F93-XE Fieldbus Terminator Circuit
CI9378-12	1	1	5.14	Fieldbus Terminator PCB Assembly
CI9378-13	1	1	5.14	F93-XE Fieldbus Terminator - Track Layout
CI9378-15	1	1	7.14	F93-XE Assembly
CI9378-16	1	1	5.14	F93-XE Encapsulation Detail

20 Certificate History

Certificate No.	Date	Comments
Baseefa14ATEX0117U	14 August 2014	The release of the prime certificate. The associated test and assessment against the requirements of EN 60079-0: 2012, EN 60079-7: 2007 and EN60079-18: 2009 is documented in Test Report No. GB/BAS/ExTR14.0062/00 (Project File 14/0070).
Baseefa14ATEX0117U Issue 1	6 December 2017	<p>To confirm the current design of the F93-XE Fieldbus Terminator has 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 effect the equipment.</p> <p>This issue of the certificate also permits the change of manufacturer's name from 'Measurement Technology Limited' to 'Eaton Electric Limited'</p> <p>The assessment is documented in Certification Report No. GB/BAS/ExTR16.0283/00, Project File No. 16/0371, held with IECEx Certificate No. IECEx BAS 14.0060U Iss. 1.</p>
For drawings applicable to each issue, see original of that issue.		