



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Ex COMPONENT CERTIFICATE

Certificate No.: **IECEX BAS 09.0087U** Page 1 of 4 Certificate history:
Status: **Current** Issue No: 3 [Issue 2 \(2017-11-29\)](#)
Date of Issue: 2024-03-26 [Issue 1 \(2012-03-01\)](#)
[Issue 0 \(2010-04-09\)](#)
Applicant: **Eaton Electric Limited**
Great Marlings
Butterfield
Luton
Bedfordshire
LU2 8DL
United Kingdom
Ex Component: 9378 Fieldbus Terminator
This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).
Type of Protection: **Flameproof, Increased Safety, Encapsulation**
Marking: **Ex db eb mb IIC Gb (-40°C ≤ Ta ≤ +75°C)**

Approved for issue on behalf of the IECEx
Certification Body:

D Brearley

Position:

Certification Consultant

Signature:
(for printed version)

Date:
(for printed version)

26/3/2024

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

SGS UK Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire SK17 9RZ
United Kingdom





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Manufacturer: **Eaton Electric Limited**
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Butterfield
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LU2 8DL
United Kingdom

Manufacturing locations: **Eaton Electric Limited**
Great Marlings
Butterfield
Luton
Bedfordshire
LU2 8DL
United Kingdom

MTL Instruments Pvt Limited
No 3 Old Mahabalipuram Road
Sholinganallur
Chennai 600119
India

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :

The component and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-1:2014](#) Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
Edition:7.0

[IEC 60079-18:2017](#) Explosive atmospheres - Part 18: Protection by encapsulation "m"
Edition:4.1

[IEC 60079-7:2017](#) Explosive atmospheres - Part 7: Equipment protection by increased safety "e"
Edition:5.1

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the component listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[GB/BAS/ExTR09.0125/00](#)
[GB/SGS/ExTR24.0038/00](#)

[GB/BAS/ExTR11.0194/00](#)

[GB/BAS/ExTR16.0295/00](#)

Quality Assessment Reports:

[GB/BAS/QAR06.0022/11](#)

[GB/BAS/QAR07.0017/10](#)



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Ex Component(s) covered by this certificate is described below:

The 9378-FT Fieldbus Terminator is a component module that is designed to connect across a Fieldbus line as part of other equipment. It comprises an encapsulated circuit and live disconnect connectors to enable it to be fitted and removed without first powering down the Fieldbus line. Its purpose is to provide the correct line termination impedance for correct Fieldbus operation.

SCHEDULE OF LIMITATIONS:

1. The 9378-FT Fieldbus Terminator must be housed in an appropriately certified Ex e enclosure.
2. The 9378-FT Fieldbus Terminator must plug into equipment that uses the socket part of the connector covered by certificate IECEx BVS 19.0026U.
3. The ambient temperature must not exceed +75°C.
4. The 9378-FT Fieldbus Terminator shall only be powered from supplies conforming to IEC 61158.
5. The 9378-FT Fieldbus Terminator shall only be connected into equipment that causes the secondary latch to limit movement before the live-demateable connector plug and socket metal parts separate by over 1.9mm.
6. When used within the limitations present on this certificate, the component is intended to meet the requirements for temperature class T4 without further temperature testing.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Variation 3.1

To confirm compliance with the requirements of IEC 60079-0: 2017 Ed.7, IEC 60079-1: 2014 Ed. 7, IEC 60079-18: 2015+A1:2017 Ed.4.1 and IEC 60079-7: 2015+A1:2017 Ed.5.1.

Variation 3.2

To permit a change of certificate for socket part of the "db eb" connector to IECEX BVS 19.0026U.

Variation 3.3

Updated label marking to show "db eb" instead of "d e".

ExTR: **GB/SGS/ExTR24.0038/00**

File Reference: **24/0086**