



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

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

Certificate No.: IECEx BAS 12.0023U Issue No: 0 Certificate history:
Issue No. 0 (2013-06-20)

Status: **Current** Page 1 of 3

Date of Issue: **2013-06-20**

Applicant: **GE Intelligent Platforms**
2500 Austin Drive
Charlottesville
Virginia 22911
United States of America

Electrical Apparatus: **862X Field Terminals**
Optional accessory:

Type of Protection: **Intrinsic Safety**

Marking: **[Ex ia Ga] (-40°C ≤ Ta ≤ +70°C)**
[Ex ia Da] (-40°C ≤ Ta ≤ +70°C)

Approved for issue on behalf of the IECEx
Certification Body:

R S Sinclair

Position:

General Manager

Signature:
(for printed version)

Date:

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 the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

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





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Manufacturer: **GE Intelligent Platforms**
2500 Austin Drive
Charlottesville
Virginia 22911
United States of America

Additional Manufacturing
location(s):

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 electrical apparatus 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 : 2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11 : 2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

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

TEST & ASSESSMENT REPORTS:

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

Test Report:

[GB/BAS/ExTR12.0028/00](#)

Quality Assessment Report:

[GB/FME/QAR11.0010/03](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The 862X IS Field Terminals provides terminal connections from the output of an I/O Module. The following Field Terminals components are covered by the certificate: -

- 8621-FT-IS, IS Field Terminal, Standard
- 8622-FT-IS, IS Field Terminal, Loop-disconnect
- 8623-FT-IS, IS Field Terminal, 16 Channel DI
- 8624-FT-IS IS Field Terminal, 8-Channel DI
- 8625-FT-IS Thermocouple Field Terminal
- 8626-FT-IS 8 RTD Field Terminal

Each terminal consists of a printed circuit board, two multi-pin connectors for connection to an I/O Module, up to four rows of terminals for connections to the hazardous area field wiring and two polarised inserts to ensure that it is used with an appropriate module.

See the certificate annex for further details on the different variants.

Schedule of Limitations

1. The maximum input / output voltage for the terminals must not exceed 30V.
2. When the 8625-FT-IS Thermocouple Field Terminals and the 8626-FT-IS RTD Field Terminals are used, the effect of segregation limitations for 30V within the terminals should be considered on the combined output parameters for the assembly.
3. The maximum input / output current for the 8622-FT-IS Loop-disconnect IS Field Terminals must be limited to less than or equal to 0.5A.
4. The maximum input power must not be greater than 0.9W for the 8626-FT-IS RTD Field Terminals .

CONDITIONS OF CERTIFICATION: NO

Annex:

[IECEx BAS 12.0023U Annex.pdf](#)

862X Field Terminals

Model Range

The 8621-FT-IS, IS Field Terminal, Standard provides a connection for up to eight channels from the multi-pin I/O module connectors directly to eight pairs of output terminals.

The 8622-FT-IS, IS Field Terminals, Loop-disconnect, is similar to the 8621-FT-IS terminals but each channel includes a loop disconnect push-in link.

The 8623-FT-IS, IS Field Terminal, 16 Channel DI, is similar to the 8621-FT-IS terminals, but provides a connection of up to sixteen channels from the multi-pin I/O module connectors directly to sixteen pairs of output terminals.

The 8624-FT-IS, IS Field Terminal, 8-Channel DI, is similar to the 8622-FT-IS, but includes an alternative PCB arrangement.

The 8625-FT-IS Thermocouple Field Terminal is specifically designed for connection to the Thermocouple Module. The terminal provides connection facility for eight, two-wire channels and which incorporate a cold junction compensation circuit, used within the field terminal, which is supplied from the module and segregated from the hazardous area circuits. All channels must be installed as separate intrinsically safe circuits. Channels 5 & 6 meet the segregation requirements for 30V and may be considered as separate intrinsically safe circuits.

The 8626-FT-IS RTD Field Terminal is specifically designed for connection to the RTD Module. The terminal provides connection facility for eight, three-wire channels and incorporates a constant current source supplied from the module and common to all channels. This current source may be used to energise the hazardous area circuits.

On each of the above field terminals segregation for voltages up to 30V is provided between channels.