



II 3 G

Certificate

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Document number GE08ATEX8521X Issue 2

3 European Community Declaration of Conformity for Group II Category 3 G equipment in
accordance with Directive 94/9/EC.

4 Declaration relating to: 8521 Controller

5 Assessed and Manufactured by: GE Intelligent Platforms, 2500 Austin Drive, Charlottesville,
Virginia 22911, USA.

6 This apparatus fulfils all the requirements for Group II, Category 3 G equipment in
accordance with Directive 94/9/EC. The design complies with EN 60079-11: 2012 & EN 60079-
15:2010 (EN 60079-15:2005 for Legacy 'nL' installations). The design is fully documented in GE
Intelligent Platforms Technical File TF8851.

7 The apparatus in normal operation draws power that is below incandive levels and meets
ic requirements, is incapable of producing arcs, sparks or hot surfaces which may cause ignition
and is designed to be installed and used in accordance with EN 60079-14:2008 & EN 60079-
25:2010.

8 The required marking of the apparatus is specified in GE Intelligent Platforms Technical
File TF8811 and includes the distinctive community mark:



9 In addition, the marking includes the CENELEC codes Ex ic nL IIC T4. The nL (ic) applies
both to the external connections and to the non-ignition-capable energy and hot surfaces within
the product. Care should be taken that all connected circuits comply with energy-limited and ic
requirements, in particular the Ethernet and RS485 connections. The Ethernet ports can operate
with a common mode working voltage of up to 50Vrms or dc relative to the local supply but, if so,
the Ethernet connections must be treated as non-sparking (nA).

10 The ambient temperature range for the apparatus is -40°C to +70°C.

11 Manufacture is controlled by an ISO9001:2008 approved system, and is externally audited
by CSA and FM.

12 The apparatus meets the ATEX Directive requirements for electromagnetic radiation by
complying with the EMC Directive 2004/108/EC.

13 The standards published in the Official Journal of the European Commission with
reference to the Low Voltage Directive 2006/95/EC have been used to fulfil 1.2.7 of Annex II of
directive 94/9/EC to eliminate electrical risks.

14 Special Conditions of Safe Use

- a. The apparatus must be installed in an enclosure or an environment that provides a degree of protection not less than IP54 when used in Zone 2.
- b. In order to comply with the transient requirements, the voltage for this apparatus must be provided by regulated power supply units complying with the requirements of European Community Directives.
- c. Where the interconnecting cable utilizes part of a multi-core cable containing other intrinsically safe circuits, then the multi-core cable shall be in accordance with the requirements of a multi-core cable type A or B, as specified in Clause 9 of IEC 60079-25.
- d. A multi-core cable containing circuits classified as level of protection "ia", "ib" or "ic" shall not contain non-intrinsically safe circuits.



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15 Revision History

Issue	Date	Remarks
1	26 th May 2009	First GEF Intelligent Platforms issue
2	30 th April 2013	CENELEC marking ic added with assessment note in section 6, 7, 9 and section 14.