



II 3 G Certificate

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Document number GE10ATEX8505X 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; 8505-BI-MB Modbus Bus Interface Module

5 Assessed and Manufactured by: GE Intelligent Platforms, 2500 Austin Drive, Charlottesville, VA
22911-8300, 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 Number TF8505.

7 The apparatus in normal operation provides energy-limited connections to the Modbus LAN, Railbus,
and Power Supply. Certain features of the internal construction are non-sparking. The apparatus in normal
operation is incapable of producing arcs, sparks or hot surfaces which may cause ignition and is designed to
be installed and used in accordance with standards EN 60079-14:2008 & EN 60079-25: 2010 and
installation drawing no. SCI-1530.

8 The required marking of the apparatus is specified in GE Intelligent Platforms Technical File No
TF8505 and includes the distinctive community mark:



8 In addition, the marking includes the CENELEC codes:-
Ex [ic] nA nL IIC T4

The nL applies to the energy-limited connections to the Modbus LAN, Railbus, and Power Supply. The nA
applies to certain features of the internal construction which are non-sparking.
The CENELEC marking nL is retained for use in legacy nL installations. For new installations the
product is marked '[ic]'

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.



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Revision History

Issue	Date	Remarks
1	29 th February 2012	First GE Intelligent Platforms issue
2	29 th May 2013	Assessment as per EN 60079-11: 2012 added.