ABB

Parts & Repair Services
Louisville, KY

Functional Testing Specification

LOU-GED-IS200TBCIH2xxx

Test Procedure for a GE Mark Vie IS200TBCIH2xxx 24 Volt Contact Input card.

DOCUMENT REVISION STATUS: Determined by the last entry in the "REV" and "DATE" column

REV.	DESCRIPTION	SIGNATURE	REV. DATE
A	Initial release – for the 24 Volt version of this card. The 125 Volt version is tested in the Mark VI TMR Rack.	J. Francis	02/20/2019

PREPARED BY	REVIEWED BY	REVIEWED BY	QUALITY APPROVAL
J. Francis			L. Groves
DATE	**DATE**	**DATE**	**DATE**
02/20/2019			02/20/2019

1. SCOPE

1.1 This is a functional testing procedure for a GE Mark Vie IS200TBCIH2xxx 24 Volt Contact Input card.

2. STANDARDS OF QUALITY

2.1 Refer to the current revision of the IPC-A-610 standard for workmanship standards.

3. APPLICABLE DOCUMENTS

3.1 The following document(s) shall form part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue shall apply.

3.1.1 Check board's electronic folder for more information.

4. ENGINEERING REQUIREMENTS

4.1 Equipment Cleaning

4.1.1 Equipment should be clean and free of debris prior to applying power unless performing an initial check. Refer to site specific SRA's for cleaning guidelines.

4.2 Equipment Inspection

4.2.1 Equipment should be visually inspected for any defects prior to applying power. This inspection should include the following as a minimum:

4.2.1.1 Wires - broken, cracked, or loosely connected
4.2.1.2 Terminal strips / connectors - broken or cracked
4.2.1.3 Components - visually damaged
4.2.1.4 Capacitors - bloated or leaking
4.2.1.5 Solder joints - damaged or cold
4.2.1.6 Circuit board - burned or de-laminated
4.2.1.7 Printed wire runs / Traces - burned or damaged

5. EQUIPMENT REQUIRED

5.1 The following equipment is required to perform the process requirements. Equipment may be substituted provided that all accuracy's and test ratios are equivalent or better.

Qty	Reference #	Description
1	H190199	IS200TBCIH2xxx Test Fixture. (See attached photo 8.2)

6. TESTING PROCESS

6.1 Testing Procedure

6.1.1 Verify the ID Chip for connectors JR1, JS1, and JT1.

6.1.2 Install unit onto test fixture.

6.1.3 Apply power to test fixture.

6.1.4 Once power is applied, the POWER Indicator should illuminate along with all 24 of the Contact Output indicators.

6.1.5 Push the “INPUTS” button and all 24 Contact Output indicators should go out.

6.1.6 Release the “INPUTS” button and all 24 Contact Output indicators should come back on.

6.2 ***TEST COMPLETE ***

7. NOTES

7.1 *If any of the Contact Output indicators does not illuminate, repair the circuit and retest unit.*

8. ATTACHMENTS

8.1 Test Fixture Photo

8.2