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GE Industrial Systems

**Functional Testing Specification**

*Renewal Services  
Louisville, KY*

**LOU-GE-3S7505PGxxx**

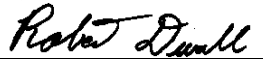
**Test Procedure for a Card 3S7505PG520A1**

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**Functional test procedure for 3S7505PG520A1**

**1. SCOPE**

1.1 This is a functional testing procedure for a. 3S7505PG520A1

**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.

2.1.1

**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 the local documented procedures 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 or cracked

4.2.1.2 Terminal strips / connectors broken or cracked

4.2.1.3 Loose wires

4.2.1.4 Components visually damaged

4.2.1.5 Capacitors leaking

4.2.1.6 Solder joints damaged or cold

4.2.1.7 Circuit board burned or de-laminated

4.2.1.8 Printed wire runs 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		Fluke DMM or Equivalent
1	H033962	Test Box for photo eyes

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## 6. TESTING PROCESS

### 6.1 Setup

- 6.1.1 Make the following jumper connections: Relay pickup to dark, and lamp volts to 3.5.
- 6.1.2 On the three pin connector, short the two pins closest to the terminal strip.  
(Refer to document GEH-2160.)
- 6.1.3 Install test relay into socket on card.
- 6.1.4 Connect test box to UUT.
- 6.1.5 Connect 115VAC across "power" on terminal strip.

### 6.2 Testing Procedure

- 6.2.1 Apply power to UUT
- 6.2.2 Verify with DMM that contacts on relay open or close when shutter is closed or opened on test box.
- 6.2.3 Remove power.

### 6.3 **\*\*\*TEST COMPLETE\*\*\***

## 7. NOTES