



Certified Engineering Test Report

Test Report
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Tamper Resistance Test for Elliott Pad-Mounted Equipment Enclosures

March 30, 1987

CERTIFICATION

The following test program was performed at Elliott Industries Inc. in Bossier City, Louisiana. The information contained in this report is, to the best of my knowledge, correct and accurate within the usual limits of commercial testing practices.

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Product Tested

Steel and aluminum Elliott Pad-Mounted Equipment Enclosures.

Introduction

The tamper resistance of steel and aluminum Elliott Pad-Mounted Equipment Enclosures must meet the requirements of the ANSI Standard C57.12.28 For Pad-Mounted Equipment-Enclosure Integrity Paragraph 4.0 Enclosure Security. The design must allow production equipment to consistently meet the requirements.

Test Specimens

Two steel and one aluminum test specimen, produced at different times, were selected at random.

Tests Performed

Paragraphs referenced below are from ANSI Standard C57.12.28 for Pad-Mounted Equipment-Enclosure Integrity

1. Paragraph 4.3.2 specifies Pry Tests to be followed by Wire Probe Tests described in Paragraph 4.3.4. The specified pry tool was used to test all joints, crevices, hinges, locking means, etc. as described in Paragraph 4.3.2 and the specified probe wire was used to attempt to penetrate the enclosures as described in Paragraph 4.3.4.

Results: The two steel enclosures and the aluminum enclosure consistently withstood the entrance of the probe wire. All three enclosures passed the requirements of the pry and probe tests.

2. Paragraph 4.3.3 specifies Pull Tests to be followed by Wire Probe Tests described in Paragraph 4.3.4. The specified pull tool was used to test enclosure parts which could be engaged by the pulling hook as described in Paragraph 4.3.3 and the specified probe wire was used to attempt to penetrate the enclosure as described in Paragraph 4.3.4.

Results: The two steel enclosures and the aluminum enclosure consistently withstood the entrance of the probe wire. All three enclosures passed the requirements of the pull and probe tests.

3. Paragraph 4.3.5 specifies Deflection Tests. The specified tool was used to test the areas described in Paragraph 4.3.5.



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Results: The two steel enclosures and the aluminum enclosure consistently withstood these tests. The dielectric, mechanical and corrosion resistance was not impaired. All three enclosures passed the requirements of the deflection tests.

- Paragraph 4.3.6 specifies Operation Tests. All three enclosures were tested for operation as described in Paragraph 4.3.6.

Results: The two steel enclosures and the aluminum enclosure consistently withstood the previous tests and could be easily unlocked and opened and easily closed and locked. All three enclosures passed the requirements of the operation tests.

Conclusion

Standard production models of Elliott Pad-Mount Equipment Enclosures will consistently pass the tamper resistance requirements of the ANSI Standard C57.12.28 For Pad-Mounted Equipment-Enclosure Integrity.



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**If you need more information,
please contact
our Representative or the Factory**