HDC Elevator Maintenance Box Series

1. INTRODUCTION

1.1 Purpose

This document provides the qualification test summary of TE Connectivity HDC Elevator Maintenance Box Series.

1.2 Scope

This specification covers the electrical, mechanical and environmental performance of the elevator maintenance box series H3A / H6B / H10B / H16B.

1.3 Conclusion

Based on the test results, all meet the requirements according to TE Connectivity Design Objectives 108-137476.

1.4 Product Description

The elevator maintenance box contains insert / housing / circuit board parts.

For H3A series

The insert (HD-008-F) Qualification Test Report refer to 501-137042

The housing Qualification Test Report refer to 501-137012

For HXXB series

The insert (HE-006-FS/ HE-010-FS/ HE-010-FSK/ HE-016-FS) Qualification Test Report refer to 501-137044

The insert (HEE-010-F) Qualification Test Report refer to 501-106137

The housing Qualification Test Report refer to 501-137013

1.5 Qualification Test Sequence

Test or Examination	Test Group
	A
	Test Sequence[1)]
Visual and dimensional examination	1,4
Contact Resistance	2
Dielectric Voltage Withstand Test	3

***Notes:**

1) Numbers indicate the sequence in which the tests are performed.

2. TEST PROCEDURE

General				
No.	**Test Items**	**Requirements**		**Condition according to**
2.1	Visual and dimensional examination	Meets requirements of product drawing		Visual and dimensional examination IEC 60512-1-1/-2, Test 1a and 1b 6.2 of EN 61984
Electrical				
2.2	Contact Resistance	Initial	Max.10mΩ	Test current: 1A Measure points at the end of the termination Max three contacts per specimen plus protective earthing, if any IEC 60512-2-2 Test 2b
		Final	The change of contact resistance shall be no more than 50 % of the reference value or ⩽10 mΩ. The higher value is permissible	
2.3	Dielectric Voltage Withstand Test	No flashover or breakdown of voltage 6.13 of EN 61984		Impulse test voltage according to Table 8, applied three impulses of each polarity and interval of at least 1s between impulses. 7.3.12 of EN 61984

3. SUMMARY OF TEST RESULTS:

Examination of product – all test group

Test Group	Test Item	Test Result	Requirement	Judgment
Group A	Visual and dimensional examination	No physical damage	Meets requirements of product drawing	passed
	Contact Resistance	9.44 mΩ Max.	Max.10mΩ	passed
	Dielectric Voltage Withstand Test	No breakdown or flashover	No breakdown or flashover	passed
	Visual and dimensional examination	No physical damage	Meets requirements of product drawing	passed