

Environmental tests TEST REPORT 284862-1

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Test Report

Environmental tests

Equipment Under Test: Empty enclosure

Type: 1560x341x245 mm

Manufacturer: Finelcomp Oy

Applicant:

Finelcomp Oy Yrittäjänkatu 6

FI-83500 OUTOKUMPU

FINLAND

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The Equipment Under Test is Tested According To Following Specification

| Title of the standard -Product / test environment | Reference standard | Publica- tion year | Amendment(s) of the standard |
|---|--------------------|--------------------------|------------------------------|
| Dry heat test | IEC 60068-2-2 | 2007 | |
| Damp heat test | IEC 60068-2-30 | 2005 | |
| Cold test | IEC 60068-2-1 | 2007 | |
| Change of temperature test | IEC 60068-2-14 | 2009 | |

| Testing location | | |
|---------------------------|--|---|
| Testing Laboratory | SGS Fimko Ltd | 1 |
| Testing location/ address | Särkiniementie 3 FI-00210 HELSINKI, FINLAND | |

Date: 9.6.2016

like place Tested by: Mikko Malinen

Date:

Approved by: Sami Hakonen



Performance Criteria

No visible deterioration, especially gasket and lock. No condensation water in inner cabinet.

Test sample

Empty enclosure 1560x341x245 mm

Photos of EUT



Test set-up for EUT

Model: 1560x341x245 mm

Enclosure was placed in to the humidity chamber.

Tests

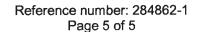
Cold Test

Test method: IEC 60068-2-1 / Ad Temperature: -40 (+0 deg C / -3 deg C)

Duration: 16 hrs

Visual check after the test and no visible damage.

Test results: PASSED





Dry Heat Test

Test method: IEC 60068-2-2 / Test Bd Temperature: +70 deg C ±2 deg C

Duration: 168 hrs

Max. relative humidity: 50 %

Visual check after the test and no visible damage.

Test results: PASSED

Change of temperature test

Test method: IEC 60068-2-14 / Test Nb Temperature: -5...+55 deg C / ≥ 5 deg C/min

Duration: t₁ = 2 hrs Number of test cycles: 3

Visual check after the test and no visible damage.

Test result: PASSED

Damp Heat Test

Test method: IEC 60068-2-30 / Test Db / Variant 2

Upper humidity: ≥ 95 % RH (figure 2b)
Upper temperature: +40 deg C ±2 deg C

Duration: 4 cycles

Visual check after the test and no visible damage.

Test result: PASSED

Instruments / Devices used for testing

| INSTRUMENTS | MANUFACTURER / TYPE | INV. NO |
|-----------------|---------------------|---------|
| Climate Chamber | Weiss | 9298 |
| Thermometer | Fluke 51 II | 7837 |
| Temp / RH% | Vaisala | 9924 |