

Safety Test Report

Report No.:AGC04094180503ES01

PRODUCT DESIGNATION: 8000mAh light up wireless powerbank

BRAND NAME : N/A

MODEL NAME : P324.47

CLIENT : Xindao B.V.

DATE OF ISSUE : June. 04, 2018

STANDARD(S) : EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

REPORT VERSION: V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd.

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TEST REPORT

EN 60950-1

Information technology equipment-Safety-Part 1: General requirements

Report Reference No...... AGC04094180503ES01

Tested by(+ signature) Albert Liang

Reviewed by (+ signature) Jenny Li

Matte He

Approved by (+signature).....(Authorized Officer)

Date of issue June.04, 2018

Contents...... Total 51 pages.

Testing laboratory

Name...... Attestation of Global Compliance (Shenzhen) Co., Ltd.

Address 2/F., Building 2, No.1-No.4, Chaxi Sanwei Technical Industrial Park,

Gushu, Xixiang, Bao'an District, Shenzhen, Guangdong, China

Jemyli Mette He

Testing location...... Same as above.

Manufacturer

Name....: Xindao B.V.

Factory

Name....: Xindao B.V.

Test specification

Standard...... EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Test procedure Type test

Procedure deviation...... N/A

Non-standard test method...... N/A

Test Report Form/blank test report

Test Report Form No...... AGC60950A8

Test Report Form(s) Originator...... AGC

Master TRF...... Dated 2017-01

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| Test item | 从是 。 |
|--|--|
| Product designation: | 8000mAh light up wireless powerbank |
| Brandname: | |
| Test model | P324.47 |
| Series model | |
| Rating(s): | Micro USB input: 5Vdc, 2A; TYPE-C input: 5Vdc, 2.1A USB output: 5Vdc, 2 A; Wireless output: 5W |
| Particulars | O Marting O Marting O Marting O Marting O |
| Equipment mobility | ☐stationary ☐for building-in ☐direct plug-in |
| Connection to the mains | |
| 展測 振測 | ☐ detachable power supply cord |
| | non-detachable power supply cord |
| C Manual C C Manual C C | ⊠not directly connected to the mains |
| Operating condition | |
| Access location | ☐rated operating/ resting time: . ⊠operator accessible |
| Access location | restricted access location |
| Over voltage category(OVC) | :: OVC I OVC II OVC III OVC IV Sother |
| Mains supply tolerance(%) or absolute supplyvalues | mains : |
| Tested for IT power systems | |
| IT testing, phase-phase voltage(V) | |
| Class of Equipment | □not classified |
| Considered current rating of protective of the building installation (A) | device as part N/A |
| Pollution degree(PD) | : □PD 1 □PD3 |
| Protection against ingress of water | |
| Altitude during operation (m) | : 2000m |
| Altitude of test laboratory (m) | : <500m |
| Mass of equipment (kg) | : <1Kg |
| Test case verdicts | 大型 大型 · 电影 |
| Test case does not apply to the test ob | ject: N (/A) |
| Test item does meet the requirement | : P (ass) |
| Test item does not meet the requireme | nt: F (ail) |
| Testing | The state of the s |
| Date of receipt of test item | : May.17, 2018 |
| Date(s) of performance of test | : May.19–May.29, 2018 |



| Atta | ch | ١m | er | ١t |
|--------------|----|----|----|----|
| Δ LLG | v | | • | |

Attachment A.....: Photos of product

General remarks

This report shall not be reproduced except in full without the written approval of the testing laboratory.

The test results presented in this report relate only to the item tested.

"(See remark #)" refers to a remark appended to the report.

"(See appended table)" refers to a table appended to the report.

Throughout this report a comma is used as the decimal separator.

| Report Revise Re | cord: | -C AME | C Mileston | C ** |
|------------------|-------------|---------------|---------------|-----------------|
| Report Version | Revise Time | Issued Date | Valid Version | Notes |
| V1.0 | 1 | June.04, 2018 | Valid | Original report |

General product information

The product is used for charging mobile or similar information technology equipment.

The product is supplied by internal Li-ion battery which can be charged from micro USB or type C port that considered complying with the LPS and SELV requirment of this standard; Therefore the product's circuit considered as Class III of SELV.

Instructions and equipment marking related to safety is applied in the language that is acceptable in the country in which the equipment is to be sold.

The product was submitted and tested for use at the manufacturer's recommended ambient temperature (Tma) of 40°C.

Summary of testing

The test item passed.

Copy of marking plates

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

8000mAh light up wireless powerbank

Model: P324.47

Micro USB input: 5V === 2A

Type C input: 5V === 2.1A

USB output: 5V === 2A Wireless output: 5W

Xindao B.V.

P.O. Box 3082, 2280 GB, Rijswijk, The

Netherlands

Importer: XXXXXXXX

Address: XXXXXXXX Made In China

Domark:

- 1) The CE marking and WEEE symbol (if any) should be at least 5mm and 7mm respectively in height.
- 2) The markings and instructions are the minimum requirements required by safety standard. For final production samples, the additional markings which do not give rise to misunderstanding may be added.
- 3) As declared by the applicant, the importer (and manufacturer, if it is different)'s name, registered trade name or mark and the postal address will be marked on the products before being place on the market.
- 4) Marking on the packaging or in a document accompanying the electrical equipment is only acceptable if it is not possible to place such markings on the product.

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| EN 60950-1 | | | | |
|-------------|--|--|---------------|--|
| Clause | Requirement – Test | Result – Remark | Verdict | |
| · FILL | The standard of the standard o | CO - CO - C | | |
| 1 | GENERAL | | Р | |
| ® Attestall | | | The Manager | |
| 1.5 | Components | · 拉加 · · · · · · · · · · · · · · · · · · | on of Globa | |
| 1.5.1 | General | On the state of th | Р | |
| ≥G | Comply with IEC 60950 or relevant component standard Components which were found to affect safety aspects comply with the requirements of this standard or with the safety aspects of the relevant IEC/EN component standards. (see | | | |
| 1.5.2 | Evaluation and testing of components | appended table 1.5.1) Components which are certified to IEC/EN and/or national standards are used correctly within their ratings. Components not covered by IEC/EN standards are tested under the conditions present in the equipment. | | |
| 1.5.3 | Thermal controls | No any thermal controls. | N. | |
| 1.5.4 | Transformers | No transformers | astalion of N | |
| 1.5.5 | Interconnecting cables | *** CO CO | Р | |
| 1.5.6 | Capacitors bridging insulation | No such capacitor. | N | |
| 1.5.7 | Resistors bridging insulation | 不想。 不想 | iance P | |
| 1.5.7.1 | Resistors bridging functional, basic or supplementary insulation | Functional only | C P | |
| 1.5.7.2 | Resistors bridging double or reinforced insulation between a.c. mains and other circuits |) | N | |
| 1.5.7.3 | Resistors bridging double or reinforced insulation between a.c. mains antenna or coaxial cable | | N N | |
| 1.5.8 | Components in equipment for IT power systems | | N | |
| 1.5.9 | Surge suppressors | No such parts. | N | |
| 1.5.9.1 | General | · · · · · · · · · · · · · · · · · · · | N 4 | |
| 1.5.9.2 | Protection of VDRs | The Continue of the Continue o | N | |
| 1.5.9.3 | Bridging of functional insulation by a VDR | C American SC | N | |
| 1.5.9.4 | Bridging of basic insulation by a VDR | 100 | N | |
| 1.5.9.5 | Bridging of supplementary, double or reinforced insulation by a VDR | 是我想到 《五字·苏 | omplane N | |
| | THE TAX STATE OF THE STATE OF T | - C | NO | |
| 1.6 | Power interface | CO NO | Р | |

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1.6.1

AC power distribution systems

No direct mains connection.



| | EN 60950-1 | | | | | |
|--------|--------------------------------------|--|---------------------------------------|--|--|--|
| Clause | Requirement – Test | Result – Remark | Verdict | | | |
| 1.6.2 | Input current | (See appended table 1.6.2) | CP T | | | |
| 1.6.3 | Voltage limit of hand-held equipment | | N sall | | | |
| 1.6.4 | Neutral conductor | Class III equipment, no neutral conductor. | N N N N N N N N N N N N N N N N N N N | | | |

| 1.7 | Marking and instructions | | P |
|----------|--|--|-------------|
| 1.7.1 | Power rating | See below | Р |
| N.G | Rated voltage(s) or voltage range(s) (V) | See marking plate | |
| | Symbol for nature of supply, for d.c. only: | See marking plate | |
| ® 45. | Rated frequency or rated frequency range (Hz): | · GO D | |
| ZG ATTES | Rated current (mA or A) | See marking plate | |
| 1.7.1.2 | Identification markings | The Sandan | Р |
| : 10 m | Manufacturer's name or trademark or identification mark | See marking plate | |
| omplie. | Type/model or type reference: | See marking plate | |
| C AIT | Symbol for Class II equipment only: | The Company | |
| O | Other marking and symbols: | See marking plate. | |
| 1.7.1.3 | Use of graphical symbols | 60 10 | Р |
| 1.7.2 | Safety instructions and marking | Provided. | P |
| 1.7.2.1 | General | See below. | P |
| 1.7.2.2 | Disconnect devices | No such devices | Ň |
| 1.7.2.3 | Overcurrent protective device | | N |
| 1.7.2.4 | IT power distribution systems | | N. |
| 1.7.2.5 | Operator access with a tool | 70 | F Th Normal |
| 1.7.2.6 | Ozone | And Community of the Co | N |
| 1.7.3 | Short duty cycles | Equipmentis designed forcontinuous operation. | N |
| 1.7.4 | Supply voltage adjustment: | No such devices used | N |
| | Methods and means of adjustment; reference to installation instructions: | M. Hard County Company | C N |
| 1.7.5 | Power outlets on the equipment: | No such outlet | N |
| 1.7.6 | Fuse identification (marking, special fusing characteristics, cross-reference) | The state of the s | M N |
| 1.7.7 | Wiring terminals | ® Million de Colone | N |
| 1.7.7.1 | Protective earthing and bonding terminals: | Class III equipment, no protective earthing | N |



| | EN 60950-1 | | | | |
|---------|--|--|---------------|--|--|
| Clause | Requirement – Test | Result – Remark | Verdict | | |
| 1.7.7.2 | Terminal for a.c. mains supply conductors | 60 60 | N | | |
| 1.7.7.3 | Terminals for d.c. mains supply conductors | 30 30 | N | | |
| 1.7.8 | Controls and indicators | | The Pomphance | | |
| 1.7.8.1 | Identification, location and marking | Closed their control | on of Glove | | |
| 1.7.8.2 | Colours | The colours used for LED are indicating function. No safety consideration. | PC | | |
| 1.7.8.3 | Symbols according to IEC 60417 | 10000000000000000000000000000000000000 | ® N | | |
| 1.7.8.4 | Markings using figures | Not applicable. | N | | |
| 1.7.9 | Isolation of multiple power sources: | No direct connection to mainssupply | N | | |
| 1.7.10 | Thermostats and other regulating devices | No thermostats or other regulating devices used | M N | | |
| 1.7.11 | Durability | The marking withstands required tests. | P | | |
| 1.7.12 | Removable parts | No such parts. | N | | |
| 1.7.13 | Replaceable batteries | Service replaceble battery | P | | |
| CG AU | Language(s) | English | | | |
| 1.7.14 | Equipment for restricted access locations: | The Committee of the Co | Setallo N | | |

| 2 Clobal C | PROTECTION FROM HAZARDS | | A P |
|---------------------------|---|--|-----|
| 2.1 | Protection from electric shock and energy hazards | No hazardous parts in operatoraccess areas. | Р |
| 2.1.1 | Protection in operator access areas | © Allestone of Control | P |
| 2.1.1.1 | Access to energized parts | No energized parts. | Р |
| Alleeu | Test by inspection | | |
| | Test with test finger(Figure 2A) | K Company | |
| -1111 | Test with test pin (Figure 2B) | See See See See | |
| Compliance | Test with test probe (Figure 2C) | CO E | |
| ~6 | 7 CO 120 | 10000000000000000000000000000000000000 | |
| 2.1.1.2 | Battery compartments: | The the state of t | N |
| 2.1.1.3 | Access to ELV wiring | State of the state | N |
| The station of Global Con | Working voltage (Vpeak or Vrms); minimum distance (mm) through insulation | | |
| 2.1.1.4 | Access to hazardous voltage circuit wiring | The state of the s | N |
| 2.1.1.5 | Energy hazards | See appended table 2.1.1.5 | Р |
| 2.1.1.6 | Manual controls | 100 | N |
| 2.1.1.7 | Discharge of capacitors in equipment | No primary circuit. | N個 |



| | EN 60950-1 | | | | |
|------------|---|--|-----------|--|--|
| Clause | Requirement – Test | Result – Remark | Verdict | | |
| 711 | Time-constant (s); measured voltage (V) | GO GO | | | |
| 2.1.1.8 | Energy hazards – d.c. mains supply | Not directly connect to mains supply | N | | |
| (B) Altest | a)Capacitor connected to the d.c. mains supply: | | N N | | |
| 345 | b)Internal battery connected to the d.c. mains supply | The state of the s | ordical N | | |
| 2.1.1.9 | Audio amplifiers | No any amplifiers | N | | |
| 2.1.2 | Protection in service access areas | | N | | |
| 2.1.3 | Protection in restricted access locations | T Balance The Companies | 0 N | | |

| 2.2 | SELV circuits | | Р |
|-------|--|---|-------|
| 2.2.1 | General requirements | 42.4V peak or 60VDC are not exceeded in SELV circuit under normal operation or single fault condition. | III P |
| 2.2.2 | Voltages under normal conditions (V) | Within SELV limits. | Р |
| 2.2.3 | Voltages under fault conditions (V) | Within SELV limits. | P |
| 2.2.4 | Connection of SELV circuits to other circuits: | The Thomas of the same of the | N |

| 2.3 | TNV circuits | 700 10 | N |
|-----------|--|--|--------------|
| 2.3.1 | Limits | No TNV circuits. | N N |
| | Type of TNV circuits: | The Market of the Control of the Con | N |
| 2.3.2 | Separation from other circuits and from accessible parts | | SON Free |
| 2.3.2.1 | General requirements | | N 👊 |
| 2.3.2.2 | Protection by basic insulation | 111 2 111 | The Supplier |
| 2.3.2.3 | Protection by earthing | A Continue Figure Comme | N N |
| 2.3.2.4 | Protection by other constructions: | C Address | N |
| 2.3.3 | Separation from hazardous voltages | CO | N |
| \G | Insulation employed: | 祖, 祖, | N & |
| 2.3.4 | Connection of TNV circuits to other circuits | S S S S S S S S S S S S S S S S S S S | N |
| , AS | Insulation employed: | and the second second | N |
| 2.3.5 | Test for operating voltages generated externally | | N |

| 2.4 | Limited current circuits | 不 格 测明 | ® # Innot Global Co. | ® State of Globs | N |
|-------|--------------------------|-------------------|----------------------|------------------|-----|
| 2.4.1 | General requirements | No limit evaluate | ed current circ | uits to be | N |
| 2.4.2 | Limit values | | | TIME TO | N 😹 |



| | EN 60950-1 | | |
|---------------|--|--|---------------|
| Clause | Requirement – Test | Result – Remark | Verdict |
| 711 | Frequency (Hz) | CO " CO " | N |
| Combine | Measured current (mA) | | N |
| (B) Altestall | Measured voltage (V) | | N N molian |
| 30 | Measured capacitance (nF or μF) | English Time State of the State | on of Given N |
| 2.4.3 | Connection of limited current circuits to other circuits | CC | N |

| 2.5 | Limited power sources | 玉龙···································· | © Programore |
|-------------------|---|--|--------------|
| | a)Inherently limited output | Mary Mary Comment of the Comment of | O N |
| ® # | b)Impedance limited output | - CO | N |
| QC, | c)Regulating network limited output under normal operating and single fault condition | | P P |
| | d)Overcurrent protective device limited output | 8 State of Clouds (Control of Control of Con | N |
| TIN Compliance | Max. output voltage (V), max. output current (A), max. apparent power (VA): | See appended table 2.5 | |
| 8 | Current rating of overcurrent protective device (A) | M. illinois | N 10 months |
| 6 | Use of integrated circuit (IC) current limited | The state of the s | station of N |

| 2.6 | Provisions for earthing and bonding | | N |
|------------------|---|--|-----------------|
| 2.6.1 | Protective earthing | Class III equipment. | N |
| 2.6.2 | Functional earthing | The Comment (8) The Code | N |
| | Use of symbol for functional earthing | © Martina CO internal | N |
| 2.6.3 | Protective earthing and protective bonding conductors | | N |
| 2.6.3.1 | General | The state of the s | N |
| 2.6.3.2 | Size of protective earthing conductors | John Corre | N |
| A TIME Complance | Rated current (A), cross-sectional area (mm²), AWG: | CC TO | N |
| 2.6.3.3 | Size of protective bonding conductors | 11 11 11 11 11 11 11 11 11 11 11 11 11 | N 4 |
| | Rated current (A), cross-sectional area (mm²), AWG | O Manufacture of General Comments | N |
| 2.6.3.4 | Resistance of earthing conductors and their terminations, resistance(Ω), voltage drop(V),test current (A), duration(min) | | N Transporce |
| 2.6.3.5 | Colour of insulation | S S S S S S S S S S S S S S S S S S S | N |
| 2.6.4 | Terminals | CO - GO | N |
| 2.6.4.1 | General | -all | N |



| | EN 60950-1 | | |
|---------|--|--|-----------------|
| Clause | Requirement – Test | Result – Remark | Verdict |
| 2.6.4.2 | Protective earthing and bonding terminals | CO " CO " | N |
| © # | Rated current (A), type and nominal thread diameter (mm): | | N |
| 2.6.4.3 | Separation of the protective earthing conductor from protective bonding conductors | The state of the s | and Global N |
| 2.6.5 | Integrity of protective earthing | C Fine CO | N |
| 2.6.5.1 | Interconnection of equipment | CO | N |
| 2.6.5.2 | Components in protective earthing conductors and protective bonding conductors | 天 <u>松</u> 测 | ® N Allestation |
| 2.6.5.3 | Disconnection of protective earth | | N |
| 2.6.5.4 | Parts that can be removed by an operator | 100 | N |
| 2.6.5.5 | Parts removed during servicing | | N |
| 2.6.5.6 | Corrosion resistance | S A STATE OF THE S | N |
| 2.6.5.7 | Screws for protective bonding | C. S. C.O. | N |
| 2.6.5.8 | Reliance on telecommunication network or cable distribution system | C LO | N |

| 2.7 | Overcurrent and earth fault protection in primary circuits | | | |
|--------------------|--|---------------------------------------|-----|--|
| 2.7.1 | Basic requirements | Supplied by SELV | N | |
| testation of Globa | Instructions when protection relies on building installation | · · · · · · · · · · · · · · · · · · · | N | |
| 2.7.2 | Faults not covered in 5.3.7 | Colombia Company (Colombia) | N | |
| 2.7.3 | Short-circuit backup protection | - American | N | |
| 2.7.4 | Number and location of protective devices: | | N | |
| 2.7.5 | Protection by several devices | 111 22 111 | J.N | |
| 2.7.6 | Warning to service personnel: | Company E The Company | N N | |

| 2.8 | Safety interlocks | Y.G. | N |
|-------------|-----------------------------------|--|-------------|
| 2.8.1 | General principles | No safety interlocks | N % |
| 2.8.2 | Protection requirements | The Comment of the Co | N |
| 2.8.3 | Inadvertent reactivation | C. M. C. C. M. N. | N |
| 2.8.4 | Fail-safe operation | | N |
| Allestation | Protection against extreme hazard | 10000000000000000000000000000000000000 | ompliance N |
| 2.8.5 | Moving parts | S. A. C. O. M. H. A. C. O. M. A. C. O. O. M. A. C. O. | N |
| 2.8.6 | Overriding | -C | N |
| 2.8.7 | Switches and relays | | N |



| EN 60950-1 | | | | |
|------------|------------------------|--------------------------------|-------------------|--|
| Clause | Requirement – Test | Result – Remark | Verdict | |
| 2.8.7.1 | Contact gaps (mm) | GC " GC " | N | |
| 2.8.7.2 | Overload test | | N | |
| 2.8.7.3 | Endurance test | 710 | N N | |
| 2.8.7.4 | Electric strength test | E TO THE CONTRACT OF SECONDARY | stal on of Glob N | |
| 2.8.8 | Mechanical actuators | © Management Co | N | |

| 2.9 | Electrical insulation | | N " |
|-------|------------------------------------|---|-----|
| 2.9.1 | Properties of insulating materials | Natural rubber, asbestos or hygroscopic materials are not used. | N |
| 2.9.2 | Humidity conditioning | CC III | N |
| (8) | Humidity (%),temperature (°C) | | N |
| 2.9.3 | Grade of insulation | 大龙 | N |
| 2.9.4 | Separation from hazardous voltages | S S S S S S S S S S S S S S S S S S S | N |
| -300 | Method(s) used: | CC - GO | N |

| 2.10 | Clearances, creepage distances and distances | s through insulation | Na Compi |
|----------------|---|--|---------------|
| 2.10.1 | General | Functional insulation only. | estation o N |
| 拉利 | Frequency: | | N |
| To Global Com | Pollution degrees | | N N |
| ittestam | Reduced values for functional insulation | · · · · · · · · · · · · · · · · · · · | Mance N |
| | Intervening unconnected conductive parts | (S) A Separation of Communication of Com | N |
| | Insulation with varying dimensions | 6.3 | N |
| ® 55 AN | Special separation requirements | | N 🕬 |
| -C | Insulation in circuits generating starting pulses | 111 | The Normalian |
| 2.10.2 | Determination of working voltage | The Company of The Company | N N |
| 2.10.3 | Clearances | | N |
| 2.10.3.1 | General | 70° | N |
| 2.10.3.2 | Mains transient voltages | 地 | N # |
| | a)AC mains supply: | The control of the state of the | N |
| 杨 | b)Earthed d.c. mains supplies: | C American | N |
| The Global Co. | c)Unearthed d.c. main supplies: | | N |
| Attestation | d)Battery operation: | 板源 | Ompliance N |
| 2.10.3.3 | Clearances in primary circuits | of the state of th | N |
| 2.10.3.4 | Clearances in secondary circuits | CO CO | N |
| 2.10.3.5 | Clearances incircuits having starting pulses | | N |



| 01 | EN 60950-1 | Tp 1/2 | |
|-------------------|---|--|--------------|
| Clause | Requirement – Test | Result – Remark | Verdict |
| 2.10.3.6 | Transients from a.c. mains supply | CO CO | N |
| 2.10.3.7 | Transients from d.c. mains supply: | | N |
| 2.10.3.8 | Transients from telecommunication networks and cable distribution systems | | JA N |
| 2.10.3.9 | Measurement of transient voltage levels | indicom & Fred citation C. C. filled | N |
| E Global Compil | a)Transients from a mains supply | CC MANAGEMENT | N |
| Attestation C. | For a.c. mains supply | | Ν |
| \G | For d.c. mains supply | T. B. Marine | O N |
| | b)Transients from | S State of Colored Col | N |
| 2.10.4 | Creepage distances | - GO | N |
| 2.10.4.1 | General | ::111 | ₩ N |
| 2.10.4.2 | Material group and comparative tracking index | The Companies The Thomas | N |
| | CTI tests | © All and the control of the control | N |
| 2.10.4.3 | Minimum creepage distances | 60 100 | N |
| 2.10.5 | Solid insulation | 110 | N |
| 2.10.5.1 | General | The Third Company of the Company of | ₩ N |
| 2.10.5.2 | Distances through insulation | State Commercial Conference Confe | N |
| 2.10.5.3 | Insulation compound as solid insulation | 100 10 | N |
| 2.10.5.4 | Semiconductor device | | M N |
| 2.10.5.5 | Cemented joints | The The state of t | N |
| 2.10.5.6 | Thin sheet material - General | O A Find Colonia | N |
| 2.10.5.7 | Separable thin sheet material | | N |
| ® ### stall | Number or layers(pcs): | | N |
| 2.10.5.8 | Non-separable thin sheet material | | N |
| 2.10.5.9 | Thin sheet material – standard test procedure | Apart Common (i) All Francisco Common (ii) All Francisco Common (ii) All Francisco Common (iii) All Fr | N |
| 极利 | Electric strength test | 2.C *** | N |
| 2.10.5.10 | Thin sheet material – alternative test procedure | 10 | N |
| 10 | Electric strength test | The The state of t | ⊗N. |
| 2.10.5.11 | Insulation in wound components | 3 F. Jod Colonic S F. Hilland Colonic | O N |
| 2.10.5.12 | Wire in wound components | , GO B | N |
| Manual Global Co. | Working voltage | -ml | - № N |
| Alles | a)Basic insulation not under stress: | The State of the S | ornolian se |
| | b)Basic, supplementary, reinforced insulation: | O Martin de Constitution Consti | N |
| - 7III | c)Compliance with Annex U: | 60 -60 | N |



| 01 | EN 60950-1 | D. H. D | Manuffat |
|------------|--|--|--------------|
| Clause | Requirement – Test | Result – Remark | Verdict |
| Compliance | Two wires in contact inside wound component; angle between 45° and 90° | CC CC | N |
| 2.10.5.13 | Wire with solvent-based enamel in wound components | | N illi |
| 9 | Electric strength test | The state of the s | N |
| FY KE | Routine test | C 3 | N |
| 2.10.5.14 | Additional insulation in wound components | S | N |
| | Working voltage | 拉那 在那 | N |
| | -basic insulation not under stress | The Country of the State of Country of Count | N |
| - | -Supplementary, reinforced insulation: | 20 10 | N |
| 2.10.6 | Construction of printed boards | | , N |
| 2.10.6.1 | Uncoated printed boards | The state of the s | Campliance N |
| 2.10.6.2 | Coated printed boards | S The state of the | N |
| 2.10.6.3 | Insulation between conductors on the same inner surface of a printed board | CC CC | N |
| 2.10.6.4 | Insulation between conductors on different layers of a printed board | THE THE THE STATE OF THE STATE | N 1/2 |
| | Distance through insulation | St. Comp. | N |
| The Miles | Number of insulation layers(pcs) | 700 VO | N |
| 2.10.7 | Component external terminations | | M N |
| 2.10.8 | Tests on coated printed boards and coated components | The Manager of the State of St | N |
| 2.10.8.1 | Sample preparation and preliminary inspection | - 60 | N |
| 2.10.8.2 | Thermal conditioning | | N |
| 2.10.8.3 | Electric strength test | 111 12 111 | IN N |
| 2.10.8.4 | Abrasion resistance test | A description | es dion o |
| 2.10.9 | Thermal cycling | | N |
| 2.10.10 | Test for Pollution Degree 1 environment and insulating compound | NO IN THE RESERVE TO | N |
| 2.10.11 | Test for semiconductor devices and cemented joints | O M. Francisco | N. N. Market |
| 2.10.12 | Enclosed and sealed parts | 60 | N |

| 3 | WIRING, CONNECTIONS AND SUPPLY | 11172 | K Compliance | 要 · Th | P | |
|-------|---|--------------|---|-------------------|---|---|
| 3.1 | General | K Compliance | ® ### of Glov | R) Allestation of | Р | |
| 3.1.1 | Current rating and overcurrent protection | inte | equate cross sectional ernal wiring. No interna mary power distribution | al wire for | Р | 極 |



| | EN 60950-1 | | | | |
|--------|--|--|-------------|--|--|
| Clause | Requirement – Test | Result – Remark | Verdict | | |
| 3.1.2 | Protection against mechanical damage | Wires do not touch sharp edges that could damage the insulation and cause hazard. | P | | |
| 3.1.3 | Securing of internal wiring | Internal wiring is reliable secured | The Pannian | | |
| 3.1.4 | Insulation of conductors | The state of the s | P P | | |
| 3.1.5 | Beads and ceramic insulators | No such insulators provided. | N | | |
| 3.1.6 | Screws for electrical contact pressure | No electrical contact pressure by screwed connections. | N | | |
| 3.1.7 | Insulating materials in electrical connections | No contact pressure through insulating material. | N F | | |
| 3.1.8 | Self-tapping and spaced thread screws | Thread-cutting or space thread screws are not used for electrical connections. | N | | |
| 3.1.9 | Termination of conductors | 测 | .∰ P | | |
| | 10 N pull test | No break away | Р | | |
| 3.1.10 | Sleeving on wiring | No sleeving used to provide supplementary insulation | N | | |

| 3.2 | Connection to a mains supply | A A A A A A A A A A A A A A A A A A A | 5N 752 |
|--------------------|---|--|---------------|
| 3.2.1 | Means of connection: | Class III equipment, not directly connected to mains | astation of N |
| 3.2.1.1 | Connection to an a.c. mains supply | | N |
| 3.2.1.2 | Connection to a d.c. mains supply | | M N |
| 3.2.2 | Multiple supply connections | · 拉加。 | N |
| 3.2.3 | Permanently connected equipment | O FE TO COUNTY | N 3 |
| 8 | Number of conductors, diameter (mm) of cable and conduits | S PGO P | |
| 3.2.4 | Appliance inlets | | IN |
| 3.2.5 | Power supply cords | A Company E This comment of the | ation of N |
| 3.2.5.1 | AC power supply cords | See Administration & C | ¹N . |
| al Compliance | Туре | 100 | |
| N.C | Rated current (A), cross-sectional area (mm²), AWG | The state of the s | |
| 3.2.5.2 | DC power supply cords | 3 Martin de George | N |
| 3.2.6 | Cord anchorages and strain relief | 1 100 | N |
| Milestation of Gib | Mass of equipment (kg), pull (N) | | |
| | Longitudinal displacement (mm) | A Thomas of the state of the st | |
| 3.2.7 | Protection against mechanical damage | © Allestadoro | N |
| 3.2.8 | Cord guards | 100 | N |
| ® # | D (mm); test mass (g): | | |



| J.M. V.Co. | | lin- | ALC: |
|------------|----------------------------------|-----------------|---------|
| | EN 60950-1 | | |
| Clause | Requirement – Test | Result – Remark | Verdict |
| A THE | Radius of curvature of cord (mm) | CO CO | |
| 3.2.9 | Supply wiring space | | N |

| 3.3 | Wiring terminals for connection of external condu | ictors | M N |
|-------|--|--|-------------------|
| 3.3.1 | Wiring terminals | © All parties of the control of the | N |
| 3.3.2 | Connection of non-detachable power supply cords | GO PIE | N |
| 3.3.3 | Screw terminals | The Marianes The Compliance | ® N station |
| 3.3.4 | Conductor sizes to be connected | E Thomas Colonia Colon | G O N |
| () A | Rated current (A), cord/cable type, cross-sectional area (mm²) | NG C | |
| 3.3.5 | Wiring terminal sizes | King allares | In the indiance N |
| 711 | Rated current (A), type and nominal thread diameter (mm) | C. Marine C. Marine | |
| 3.3.6 | Wiring terminals design | | N |
| 3.3.7 | Grouping of wiring terminals | The state of the s | N Compil |
| 3.3.8 | Stranded wire | The manus and the state of the | © A |

| 3.4 | Disconnection from the mains supply | Disconnection from the mains supply | | |
|--------|---|--|------|--|
| 3.4.1 | General requirement | Class III equipmen, not directly connected to mains. | N | |
| 3.4.2 | Disconnect devices | The Committee of the Co | N | |
| 3.4.3 | Permanently connected equipment | 60 | N | |
| 3.4.4 | Parts which remain energized | | N 🕬 | |
| 3.4.5 | Switches in flexible cords | 111 | I IN | |
| 3.4.6 | Single-phase equipment and d.c. equipment | A State of the sta | N | |
| 3.4.7 | Three-phase equipment | | N | |
| 3.4.8 | Switches as disconnect devices | 300 | N | |
| 3.4.9 | Plugs as disconnect devices | | N 4 | |
| 3.4.10 | Interconnected equipment | F John Commission (9) F John Country | N | |
| 3.4.11 | Multiple power sources | C 35.00 C NO | N | |

| 3.5 | Interconnection of equipment | THE MANUEL ST. | ompliance P |
|-------|--|---|-------------|
| 3.5.1 | General requirements | to Office and Country Office of the Country of the | P |
| 3.5.2 | Types of interconnection circuits | SELV circuit only. | Р |
| 3.5.3 | ELV circuits as interconnection circuits | No ELV interconnections. | N |



| | | | Illine | - All |
|--------|-------------------------------------|-------------------|-----------------|---------|
| | | EN 60950-1 | | |
| Clause | Requirement – Test | | Result – Remark | Verdict |
| 3.5.4 | Data ports for additional equipment | F of Global Comp. | CO CO | P |

| 4 | PHYSICAL REQUIREMENTS | | | The Pompliance | |
|---------------------|-----------------------|-------------------------------|--------------|------------------|------------|
| 4.1 | Stability | XX Complaine | Kind June | The Compliance | ® Market N |
| · | Angle of 10° | (S) SEE AND COOLS (S) SEE AND | of Cobain ®. | The pation of Gu | NC |
| The state of Global | Test: force (N) | | - 60 | | N |

| 4.2 | Mechanical strength | The Company of the Common of t | P |
|------------|---|--|------------|
| 4.2.1 | General | See below | Р |
| ® 5 | Rack-mounted equipment. | 100 | N |
| 4.2.2 | Steady force test, 10 N | Apply to internal component | pinere P |
| 4.2.3 | Steady force test, 30 N | a Figure Comm | N. |
| 4.2.4 | Steady force test, 250 N | 250N applied to outer enclosure. No energy or other hazards. | Р |
| 4.2.5 | Impact test | | N |
| 4.C ** | Fall test | The standard | Nacomon |
| (O) | Swing test | The comment of the control of the co | N |
| 4.2.6 | Drop test; height(m) | 1m. | Р |
| 4.2.7 | Stress relief test | 71°C, 7h, no damage and no hazards. | P |
| 4.2.8 | Cathode ray tubes | No cathode ray tube. | N |
| | Picture tube separately certified | ® All bridge Common Com | N |
| 4.2.9 | High pressure lamps | No high pressure lamp | N . |
| 4.2.10 | Wall or ceiling mounted equipment; force (N): | ini. | N omoliane |

| 4.3 | Design and construction | General September of Contract | P |
|------------|--|--|----------------|
| 4.3.1 | Edges and corners | Edges and corners are rounded and smooth. | Р |
| 4.3.2 | Handles and manual controls; force (N) | The state of the s | N |
| 4.3.3 | Adjustable controls | No such adjustable control. | N |
| 4.3.4 | Securing of parts | CC " | N |
| 4.3.5 | Connection of plugs and sockets | | _M N |
| 4.3.6 | Direct plug-in equipment | Not direct plug-in equipment. | mpliance N |
| | Torque | ce (8) ### | N |
| Compliance | Compliance with the relevant mains plug standard | CC SCC | N |



| | EN 60950-1 | | | | |
|-------------------|---|--|---------------|--|--|
| Clause | Requirement – Test | Result – Remark | Verdict | | |
| 4.3.7 | Heating elements in earthed equipment | No heating elements. | N | | |
| 4.3.8 | Batteries | | Р | | |
| (B) Artestation | -Overcharging of a rechargeable battery | | The Partition | | |
| T | -Unintentional charging of a non-rechargeable battery | rechargeable battery | N | | |
| F Global Compli | -Reverse charging of a rechargeable battery | Impossible | N | | |
| Allestation of | -Excessive discharging rate for any battery | | Р | | |
| 4.3.9 | Oil and grease | No oil and grease. | O N | | |
| 4.3.10 | Dust, powders, liquids and gases | Equipment in intended use not considered to be exposed to these. | O Ñ | | |
| 4.3.11 | Containers for liquids or gases | No containers for liquids or gases | N | | |
| 4.3.12 | Flammable liquids: | The equipment does not contain flammable liquid. | M | | |
| | Quantity of liquid (I) | 8 Minimal Clouds 8 Minimal Direct of Colors | N | | |
| - AM | Flash point (°C) | 20 200 | N | | |
| 4.3.13 | Radiation; type of radiation: | | P | | |
| 4.3.13.1 | General | | P | | |
| 4.3.13.2 | Ionizing radiation | No ionizing radiation | N | | |
| 校测 | Measured radiation (pA/kg) | | | | |
| Hou of Glopal Co. | Measured high-voltage (kV) | | | | |
| tiesta. | Measured focus voltage (kV) | 五型 五天 | | | |
| | CRT markings | (S) The Committee (S) The Comm | | | |
| 4.3.13.3 | Effect of ultraviolet (UV) radiation on materials | No ultraviolet radiation | N | | |
| O Mestalio | Part, property, retention after test, flammability classification | | N W | | |
| 4.3.13.4 | Human exposure to ultraviolet (UV) radiation: | K Brance T. T. Company | M N | | |
| 4.3.13.5 | Lasers (including laser diodes) and LEDs | John Strategin at C | P | | |
| 4.3.13.5.1 | Lasers (including laser diodes) | -GO E | N | | |
| | Laser class | | | | |
| 4.3.13.5.2 | Light emitting diodes (LEDs) | LEDs for indication only | | | |
| 4.3.13.6 | Other types | 3 # things of the state of the | N | | |

| 4.4 | Protection against hazardous moving parts | | N |
|--------------|--|----------------------------|--------|
| 4.4.1 | General | No hazardous moving parts. | N |
| 4.4.2 | Protection in operator access areas | C. S. C.C. | N |
| Compliance ® | Household and home/office document/media shredders | So yo | N N |



| | EN 60950-1 | | | | |
|----------------------|--|--|---------------|--|--|
| Clause | Requirement – Test | Result – Remark | Verdict | | |
| 4.4.3 | Protection in restricted access locations | CO CO | N | | |
| 4.4.4 | Protection in service access areas | | N | | |
| 4.4.5 | Protection against moving fan blades | | N N | | |
| 4.4.5.1 | General | · 五、 一 五、 一 五、 一 一 一 一 一 一 一 一 一 一 一 一 一 | on of Given N | | |
| 一板 | Not considered to cause pain or injury. a): | and the second second | N | | |
| Figure of Global Con | Is considered to cause pain, not injury. b): | GO | N | | |
| Allesia | Considered to cause injury. c): | 111 | N _ | | |
| 4.4.5.2 | Protection for users | Transferment Transferment | N | | |
| | Use of symbol or warning | Marine C | N | | |
| 4.4.5.3 | Protection for service persons | CO | N | | |
| 20 | Use of symbol or warning: | | N | | |

| 4.5 | Thermal requirements | C. *** | Р |
|-------|-----------------------------------|--|---|
| 4.5.1 | General | C N | Р |
| 4.5.2 | Temperature tests | (see appended table 4.5) | P |
| GU | Normal load condition per Annex L | The state of the s | |
| 4.5.3 | Temperature limits for materials | (see appended table 4.5) | Р |
| 4.5.4 | Touch temperature limits | (see appended table 4.5) | Р |
| 4.5.5 | Resistance to abnormal heat | No thermoplastic parts on which parts athazardous voltage are directly mounted. | N |

| 4.6 | Openings in enclosures | | Р |
|-----------------------|--|---|----------------|
| 4.6.1 | Top and side openings | No openings | Page plane |
| 9 | Dimensions (mm) | E TO THE STATE OF THE PARTY OF | |
| 4.6.2 | Bottoms of fire enclosures | godni () () () () () () () () () (| P |
| Kingliance Compliance | Construction of the bottom | No openings | |
| 4.6.3 | Doors or covers in fire enclosures | No doors and covers | N |
| 4.6.4 | Openings in transportable equipment | No openings | R Pattestation |
| 4.6.4.1 | Constructional design measures | 3 Martin of Color Color Color Alinston | N |
| 环点 | Dimensions(mm) | , CO | N |
| 4.6.4.2 | Evaluation measures for larger openings | | N |
| 4.6.4.3 | Use of metallized parts | No such part | N |
| 4.6.5 | Adhesives for constructional purposes | No adhesives for constructional purpose. | N |
| | Conditioning temperature (°C), time (weeks): | 100 | |

Ν

Ν



fire enclosures

fire enclosures

Materials for components and other parts inside

Materials used in high-voltage components

Materials for air filter assemblies

4.7.3.4

4.7.3.5

4.7.3.6

| FIL "County | Alles | -till | ari. |
|-----------------------|--|--|------------|
| | EN 60950-1 | | |
| Clause | Requirement – Test | Result – Remark | Verdict |
| 711 | The state of the s | CO - CO - C | -,0 |
| 4.7 | Resistance to fire | | Р |
| 4.7.1 | Reducing the risk of ignition and spread of flame | Use of plastic with the required flammability classes. | Pandian |
| · · | Method 1, selection and application of components wiring and materials | Method 1 used | P |
| Alles atton of Global | Method 2, application of all of simulated fault condition tests | NGO III | N |
| 4.7.2 | Conditions for a fire enclosure | See appended table 1.5.1 | @ P. John |
| 4.7.2.1 | Parts requiring a fire enclosure | Li-ion battery required fire enclosure | U P |
| 4.7.2.2 | Parts not requiring a fire enclosure | - GO D | N |
| 4.7.3 | Materials | ::10 | ₩ P |
| 4.7.3.1 | General | PCB rated V-0 | Р |
| 4.7.3.2 | Materials for fire enclosures | © Manual Control of the Control of t | N |
| 4.7.3.3 | Materials for components and other parts outside | GO 100 | N |

| 5 | ELECTRICAL REQUIREMENTS AND SIMULATED ABNORMAL CONDITIONS | | P |
|------------|---|--|-----------------|
| 5.1 | Touch current and protective conductor current | © Manufacture C. C. Interest | N |
| 5.1.1 | General | | N |
| 5.1.2 | Equipment under test (EUT) | | Nompilano |
| 5.1.2.1 | Single connection to an a.c. mains supply | E The Section OF | ition of Global |
| 5.1.2.2 | Redundant multiple connections to an a.c. mains supply | CO MANAGE NO | N |
| 5.1.2.3 | Simultaneous multiple connections to an a.c. mains supply | | N |
| 5.1.3 | Test circuit | Figure Comme | N |
| 5.1.4 | Application of measuring instrument | American CC March | N |
| 5.1.5 | Test procedure | 10 | N |
| 5.1.6 | Test measurements | The same of the sa | omphance N |
| | Test voltage (V) | S A THE COLUMN STATE OF TH | N |
| -TILL | Measured touch current (mA) | -C - CO | N |
| Compliance | Max. allowed touch current (mA): | | N |

The results spoured this jest report refer only to the sample(s) tested unless otherwise stated and the sample(s) are retained for 30 days only. The document is issued by XGC, this document cannot be reproduced except in full with our prior written permission. The more details and the authenticity of the report will be confirmed at a true of the confirmed at a true of true of the confirmed at a t

Attestation of Global Compliance

See appended table 1.5.1

No high voltage components.

No air filter assemblies



| EN 60950-1 | | | |
|------------|--|--|--------------|
| Clause | Requirement – Test | Result – Remark | Verdict |
| TIME S | Measured protective conductor current (mA): | CO CO | N |
| Compile | Max. allowed protective conductor current (mA) .: | | N |
| 5.1.7 | Equipment with touch current exceeding 3.5 mA: | | N M |
| 5.1.7.1 | General | Bushing Transferred @ \$ | on of Glow N |
| 5.1.7.2 | Simultaneous multiple connections to the supply | © Marting Co. | N |
| 5.1.8 | Touch currents to and from telecommunication networks and cable distribution systems and from telecommunication networks | NGO NE MENTE | N |
| 5.1.8.1 | Limitation of the touch current to a telecommunication network and a cable distribution system | A CO MARKET SOURCE | C N |
| -G Miles | Test voltage (V) | ::111 | ∌ N |
| | Measured touch current (mA) | The Company of The State of St | N |
| | Max. allowed touch current (mA) | © All International Community of the International Community o | N |
| 5.1.8.2 | Summation of touch currents from telecommunication networks | CO FO | N |
| - C | a)EUT with earthed telecommunication ports: | The templates | IN A |
| G. | b)EUT whose telecommunication ports have no reference to protective earth | CO TO | N |

| 5.2 | Electric strength | | THE STATE OF THE S | KE IN |
|-------|-------------------|-----------------------|--|-------|
| 5.2.1 | General | Kinghance | Class III equipment | N & |
| 5.2.2 | Test procedure | ® Manager of Global C | © Mental Company | N |

| 5.3 | Abnormal operating and fault conditions | | F. Pamoin |
|---------|---|--|----------------|
| 5.3.1 | Protection against overload and abnormal operation | (see appended table 5.3) | ion of Charles |
| 5.3.2 | Motors | No motor used | N |
| 5.3.3 | Transformers | No transformers | N |
| 5.3.4 | Functional insulation: | See appended table 5.3. Complies with c) | ® P |
| 5.3.5 | Electromechanical components | 3 Manufacture Committee Co | N |
| 5.3.6 | Audio amplifiers in ITE | | N |
| 5.3.7 | Simulation of faults | Result see appended table 5.3. | P |
| 5.3.8 | Unattended equipment | The Comment of the Co | N |
| 5.3.9 | Compliance criteria for abnormal operating and fault conditions | No flame emitted, no moltenmaterial emitted, no deformationof enclosure | P |
| 5.3.9.1 | During the tests | No hazards. | P |



| 3/1 //0- | | atill a | and and |
|----------|--------------------|---------------------|---------|
| | EN 60950- | 1 | |
| Clause | Requirement – Test | Result – Remark | Verdict |
| 5.3.9.2 | After the tests | No fire, no danger. | P |

| 6 Allest | CONNECTION TO TELECOMMUNICATION NETWORKS | The Normaliance |
|----------|---|--------------------|
| 6.1 | Protection of telecommunication network service persons, and users of other equipment connected to the network, from hazards in the equipment | |
| 6.1.1 | Protection from hazardous voltages | N |
| 6.1.2 | Separation of the telecommunication network from earth | |
| 6.1.2.1 | Requirements | olimos ® N Solimos |
| | Test voltage (V) | ~ (4 - |
| ® #£ | Current in the test circuit (mA): | |
| 6.1.2.2 | Exclusions: | ₩ N |

| 6.2 | Protection of equipment users from over | voltages on telecommunication networks | N |
|---------|---|--|-----|
| 6.2.1 | Separation requirements | 300 | N |
| 6.2.2 | Electric strength test procedure | | N |
| 6.2.2.1 | Impulse test | The Thomas of the second | F.N |
| 6.2.2.2 | Steady-state test | No insulation breakdown | N |
| 6.2.2.3 | Compliance criteria | Compliance | N |

| 6.3 | Protection of the telecommunication wiring system from overheating | N N |
|-----|--|-----|
| | Max. output current (A) | |
| | Current limiting method: | |

| 7 | CONNECTION TO CABLE DISTRIBUTION SYSTEMS | | |
|-------|---|--|-----------|
| 7.1 | General | SE TO SOME LOCALIST L | N |
| 7.2 | Protection of cable distribution system service persons, and users of other equipment connected to the system, from hazardous voltages in the equipment | ACC TO ACC TO A SECOND AND A SECOND A SECOND AND A SECOND A SECOND AND A SECOND AND A SECOND AND A SECOND AND A SECOND | N ® 45 |
| 7.3 | Protection of equipment users from overvoltages on the cable distribution system | A Marian Colombia CO Marian Com NO | N |
| 7.4 | Insulation between primary circuits and cable distribution systems | | N N |
| 7.4.1 | General | San State Commission (8) All Hand College | N |
| 7.4.2 | Voltage surge test | | N |
| 7.4.3 | Impulse test | 100 | N |



| Claves | EN 60950- | 1 | \/a==!!=+ |
|-------------|---|--|------------------|
| Clause | Requirement – Test | Result – Remark | Verdict |
| A 110 | ANNEX A, TESTS FOR RESISTANCE TO HEA | C1 C1 | N |
| A.1 | Flammability test for fire enclosures of movable equipment having a total mass exceeding 18 kg, and of stationary equipment (see 4.7.3.2) | | |
| A.1.1 | Samples | E A TO SERVED OF | |
| | Wall thickness (mm) | C A CONTRACTOR OF THE CONTRACT | |
| A.1.2 | Conditioning of samples; temperature (°C) | | N |
| A.1.3 | Mounting of samples | | N |
| A.1.4 | Test flame (see IEC 60695-11-3) | T. Bandon | O N |
| | Flame A, B, C or D | · ⊕ ∰ and discount ⊕ ∰ and discount ⊕ | |
| A.1.5 | Test procedure | C SO | N |
| A.1.6 | Compliance criteria | ::10 | _⊸ ∌ N |
| | Sample 1 burning time (s) | T. T | |
| | Sample 2 burning time (s) | © Manual and Control of Control o | |
| i illi | Sample 3 burning time (s) | | |
| A.2 | Flammability test for fire enclosures of movable exceeding 18 kg, and for material and componen 4.7.3.2 and 4.7.3.4) | equipment having a total mass not ts located inside fire enclosures (see | N Miles |
| A.2.1 | Samples, material | | |
| Fr Will | Wall thickness (mm) | | |
| A.2.2 | Conditioning of samples | in in | N N |
| A.2.3 | Mounting of samples | The Terminance of the design | N a |
| A.2.4 | Test flame (see IEC 60695-11-4) | ® # American | N |
| | Flame A, B or C | | |
| A.2.5 | Test procedure | - mil | N |
| A.2.6 | Compliance criteria | · 技术 Sentence ® 象 | N |
| - ni | Sample 1 burning time (s) | # destruction of the state of t | |
| Kinglance . | Sample 2 burning time (s) | 100 | |
| DairCo | Sample 3 burning time (s) | : 1 | |
| A.2.7 | Alternative test acc. To IEC 60695-2-2, cl. 4 and 8 | O ME Had Common O ME HAD Common O | N |
| T. * | Sample 1 burning time (s) | | |
| The clobal | Sample 2 burning time (s) | -ml | |
| Allesto | Sample 3 burning time (s) | : m | |
| A.3 | Hot flaming oil test (see 4.6.2) | St. March & M. Harden & M. Harden | N |
| A.3.1 | Mounting of samples | 60 100 | N |
| A.3.2 | Test procedure | | N |



| - 100° | | | | -rill | den | |
|--------|----------------------|-------------------------|-----------------|----------|---------|--|
| | EN 60950-1 | | | | | |
| Clause | Requirement – Test | | Result – Remark | | Verdict | |
| A.3.3 | Compliance criterion | O F. F. of Global Comp. | CO T | CC MINOS | N | |

| B | ANNEX B, MOTOR TESTS UNDER ABNORMAL CONDITIONS (se 5.3.2) | e 4.7.2.2 and N |
|-----------------|--|--|
| B.1 | General requirements | A CONTRACTOR N |
| F Thomas | Position: | |
| Allestation C | Manufacturer: | |
| \C | Type: | The demonstration |
| | Rated values: | © # stript of Co |
| B.2 | Test conditions | N |
| B.3 | Maximum temperatures | ₩ N |
| B.4 | Running overload test | The company N |
| B.5 | Locked-rotor overload test | M Mille Lation C |
| Allance Allance | Test duration (days): | - |
| © 4g | Electric strength test: test voltage (V): | - W |
| B.6 | Running overload test for d.c. motors in secondary circuits | Market None |
| B.6.1 | General | N |
| B.6.2 | Test procedure | N N |
| B.6.3 | Alternative test procedure | The Management N |
| B.6.4 | Electric strength test; test voltage (V) | N Miles |
| B.7 | Locked-rotor overload test for d.c. motors in secondary circuits | G N |
| B.7.1 | Test procedure | N w |
| B.7.2 | Alternative test procedure; test time (h): | IN STATE |
| B.7.3 | Electric strength test | Scholar Communication (C) And Station Or N |
| B.8 | Test for motors with capacitors | N |
| B.9 | Test for three-phase motors | N |
| B.10 | Test for series motors | N F |
| | Operating voltage (V): | a # # Marie Com |

| C F Thoda | ANNEX C, TRANSFORMERS (see 1.5.4 and 5.3. | NSFORMERS (see 1.5.4 and 5.3.3) | |
|-------------|---|--|--|
| Attestation | Position: | No transformers | |
| | Manufacturer: | Marine Company | |
| -TILL | Type: | CO | |
| Compliance | Rated values: | | |



| | EN 60950-1 | | | | | |
|----------|---|---------------|-------------------|-----------------|--|--|
| Clause | Requirement – Test | Result – Rema | ark | Verdict | | |
| TIME THE | Method of protection: | C Ame | CC Meson | | | |
| C.1 | Overload test | | | N | | |
| C.2 | Insulation | | -Till | N mountain | | |
| | Protection from displacement of windings: | K Montance | The Compilaries ® | Station of Glob | | |

| D | ANNEX D, MEASURING INSTRUMENTS F | OR TOUCH-CURRENT TO | ESTS (see 5.1.4) | N |
|-----|----------------------------------|-----------------------|------------------|-------------------------|
| D.1 | Measuring instrument | :10 | | N |
| D.2 | Alternative measuring instrument | The Manual Compliance | The Company | N _{ii} station |

| E | ANNEX E, TEMPERATURE RISE OF A WINDING (see 1.4.13) | N |
|---|---|---|
|---|---|---|

| F | ANNEX F, MEASUREMENT | OF CLEARANCES AN | D CREEPAGE DIST | ANCES | N_ |
|---|----------------------|------------------|-----------------|-------------|----|
| | (see 2.10) | | | Attestation | |

| G | ANNEX G, ALTERNATIVE METHOD FOR DETEI | RMINING MINIMUM CLEARANCES | N RE |
|-------------|--|--|---------------|
| G.1 | Clearances | The Thomas of the Company of the Com | N |
| G.1.1 | General | School Commercial Comm | Alleston N |
| G.1.2 | Summary of the procedure for determining minimum clearances | No. You | N |
| G.2 | Determination of mains transient voltage (V): | | Smpliance N |
| G.2.1 | AC mains supply | © ## The Common of Common | N A |
| G.2.2 | DC mains supply | | N |
| G.2.3 | Unearthed DC mains supply: | | N A |
| G.2.4 | Battery operation: | iii | IN Complian |
| G.3 | Determination of telecommunication network transient voltage (V) | A. T. T. T. C. C. | Saturion of N |
| G.4 | Determination of required withstand voltage (V) .: | - 60 | N |
| G.4.1 | Mains transients and internal repetitive peaks: | | N , |
| G.4.2 | Transients from telecommunication networks: | The Seminary The Seminary | N Allestation |
| G.4.3 | Combination of transients | ® ## prilion of Case | N |
| G.4.4 | Transients from cable distribution systems | 7 300 | N |
| G.5 | Measurement of transient levels (V) | 2 70 | N |
| | a) Transients from a mains supply | M Total Comment of the St. of the | N N |
| -311 | For an a.c. mains supply | C Francisco - C Francisco | N |
| (3) Milance | For a d.c. mains supply | -C- NO | N |
| 8 | b) Transients from a telecommunication network | 100 mg | N. W. |



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|-----------------|--|--|------------------|
| Clause | Requirement – Test | Result – Remark | Verdict |
| G.6 | Determination of minimum clearances: | 60 60 | N |
| Compile | 4. C - C | 100 | |
| H RIPE | ANNEX H, IONIZING RADIATION (see 4.3.13) | | J.N |
| | The Best of the Control of the Contr | TA PORTOR OF | testation of Gib |
| J To | ANNEX J, TABLE OF ELECTROCHEMICAL POT | TENTIALS (see 2.6.5.6) | N |
| Anion of Global | Metal used: | -00 | |
| Alles | C | 調 | 3 |
| K | ANNEX K, THERMAL CONTROLS (see 1.5.3 and | d 5.3.7) | N |
| K.1 | Making and breaking capacity | S Manufacture C Manufacture | N |
| K.2 | Thermostat reliability; operating voltage (V): | | N |
| K.3 | Thermostat endurance test; operating voltage (V) | 五. 我. 意 | N |
| K.4 | Temperature limiter endurance; operating voltage (V): | -C | N |
| K.5 | Thermal cut-out reliability | | N |
| K.6 | Stability of operation | THE TO YES | Ń |
| L 模 | ANNEX L, NORMAL LOAD CONDITIONS FOR S | OME TYPES OF ELECTRICAL | P |
| L.1 | BUSINESS EQUIPMENT (see 1.2.2.1 and 4.5.1) Typewriters | | N N |
| L.1 | Adding machines and cash registers | | N 4 |
| L.3 | Erasers | O A Todamicom O Million | N |
| L.4 | The state of the s | G C | N |
| L.4 L.5 | Pencil sharpeners Duplicators and copy machines | | N |
| | 1 | | St. Cloud Co. |
| L.6 L.7 | Motor-operated files Other business aguinment | The state of the s | P. |
| KE James | Other business equipment | | |
| M | ANNEX M, CRITERIA FOR TELEPHONE RINGIN | IG SIGNALS (see 2.3.1) | N |
| M.1 | Introduction | The Harden Street Stree | N |
| M.2 | Method A | (8) Attended of the state of th | N |
| M.3 | Method B | | N |
| M.3.1 | Ringing signal | :111 | N |
| M.3.1.1 | Frequency (Hz): | M. T. M. Commission | |
| M.3.1.2 | Voltage (V) | O Miller College Colle | |
| M.3.1.3 | Cadence; time (s), voltage (V): | 100 100 | |
| 5,011" | | | |

Single fault current (mA):

Attestation of Global Compliance

M.3.1.4



| | EN 60950-1 | 7/11 | as) |
|---------|---|--|---------|
| Clause | Requirement – Test | Result – Remark | Verdict |
| M.3.2 | Tripping device and monitoring voltage: | GO GO | N |
| M.3.2.1 | Conditions for use of a tripping device or a monitoring voltage | | N M |
| M.3.2.2 | Tripping device | E TO THE STATE OF | S. N |
| M.3.2.3 | Monitoring voltage (V) | Company of the state of the sta | N |

| N | ANNEX N, IMPULSE TEST GENERATORS (se clause G.5) | e 2.10.3.4, 6.2.2.1, 7.3.2 and | N |
|-----|--|--|---|
| N.1 | ITU-T impulse test generators | S The state of the | N |
| N.2 | IEC 60065 impulse test generator | C. T. C.C. | N |

| P | ANNEX P, NORMATIVE REFERENCES | The July | The Compliance P |
|---|-------------------------------|----------|------------------|
| | | | |

| Q | ANNEX Q, Voltage dependent resistors (VDRS) | (see 1.5.9.1) | N |
|-----------------|--|--|------------|
| Sompliane (a) | -Preferred climatic categories: | ::11 | N |
| - C | -Maximum continuous voltage: | The Secondarios | N |
| | -Combination pulse current: | The accompanies (S. Marie Labor of Control o | N |
| · K | Body of the VDR Test according to IEC60695-11-5 | NGC FCC | N |
| Atte station of | Body of the VDR. Flammability class of material (min V-1): | TE TO THE TENT | Omphanos N |

| R | ANNEX R, EXAMPLES OF REQUIREMENTS FOR QUALITY CONTROL PROGRAMMES | | | |
|-----|---|--|-------------|--|
| R.1 | Minimum separation distances for unpopulated coated printed boards (see 2.10.6) | THE THE STATE OF | IN Complete | |
| R.2 | Reduced clearances (see 2.10.3) | a digital Company Comp | N | |

| S | ANNEX S, PROCEDURE FO | ANNEX S, PROCEDURE FOR IMPULSE TESTING (see 6.2.2.3) | | | N N |
|-----|------------------------------|--|---------------------------|--------------------------------|------------|
| S.1 | Test equipment | lite: | 长 | 1 mulliance | N Attestal |
| S.2 | Test procedure | The Acompliance | (8) Agricultural of Glove | (B) Attestation of Attestation | N |
| S.3 | Examples of waveforms during | g impulse testing | | Co | N |

| Т | ANNEX T, GUIDA | NCE ON PROTECT | TION AGAINST | INGRESS OF W | ATER | N N |
|---|----------------|----------------|--------------|--------------|-------------|-----|
| | (see 1.1.2) | | | | Altestation | |
| | | - WA (U) | 7/OF | | | |



| | EN 60950- | 1 | |
|----------------------------|---|--|----------------|
| Clause | Requirement – Test | Result – Remark | Verdict |
| U 7/1/ S. compliance | ANNEX U, INSULATED WINDING WIRES FOR INSULATION (see 2.10.5.4) | USE WITHOUT INTERLEAVED | G N |
| ® 5 | | | 下 校 |
| V | ANNEX V, AC POWER DISTRIBUTION SYSTEM | /IS (see 1.6.1) | E POR |
| V.1 | Introduction | Strategiene (S. M. Jahra Golden) | N |
| V.2 | TN power distribution systems | | N |
| illestation 0 | | | |
| W | ANNEX W, SUMMATION OF TOUCH CURRENT | TS TO THE STATE OF | N |
| W.1 | Touch current from electronic circuits | (S) A Martin de Carlotte (S) A Martin de Carlo | N |
| W.1.2 | Earthed circuits | | N |
| N.2 | Interconnection of several equipments | :110 | N |
| W.2.1 | Isolation | TA TA TO THE TANK OF THE TANK | N |
| W.2.2 | Common return, isolated from earth | © Allegation of Control Contro | N |
| W.2.3 | Common return, connected to protective earth | GO | N |
| ® 4 | EG III | | - K |
| x -0 | ANNEX X, MAXIMUM HEATING EFFECT IN TRA | ANSFORMER TESTS (see clause | Most C N bat C |
| X.1 | Determination of maximum input current | - 60 | N |
| X.2 | Overload test procedure | | N |
| estatus | -C - | A ME S | Compliance |
| Y | ANNEX Y, ULTRAVIOLET LIGHT CONDITIONIN | IG TEST (see 4.3.13.3) | N |
| Y.1 | Test apparatus: | | N |
| Y.2 | Mounting of test samples: | | N |
| Y.3 | Carbon-arc light-exposure apparatus: | | N |
| Y.4 | Xenon-arc light exposure apparatus: | The Completion of the Completi | N |
| -700 | The Thomas of the Court of the | and Co. All Internation of Co. | |
| Z | ANNEX Z, OVERVOLTAGE CATEGORIES(see2 | 2.10.3.2 and Clause G.2) | N |
| ~ 0 | O CO | | |
| AA | ANNEX AA, MANDREL TEST (see 2.10.5.8) | The state of the s | N |
| 3 | The Company of the Company | | 6 |
| BB | ANNEX BB, CHANGES IN THE SECOND EDITION | ON | |
| Artestation Of | 60 00 | 报 "" | K Kinnpliance |
| CC | ANNEX CC, Evaluation of integrated circuit (IC | c) circuit limiters | N |
| CC.1 | General | -0" -0" | N |
| CC.2 | Test program 1: | | |



| J. W. "Co., | | line line | die |
|-------------|--------------------|-----------------|---------|
| | EN 60950-1 | | |
| Clause | Requirement – Test | Result – Remark | Verdict |
| CC.3 | Test program 2 | GO - GO - | N |
| CC.4 | Test program 3 | | N |
| CC.5 | Compliance | 311 | N |

| DD 🚜 | ANNEX DD, requirements for the mounting means of rack-mounted equipment | | | |
|------|---|---------------------------|-----|--|
| DD.1 | General | - CO B | N | |
| DD.2 | Mechanical strength test, variable N: | :10 | N N | |
| DD.3 | Mechanical strength test, 250N, including end stops: | S A Three Country Company | N N | |
| DD.4 | Compliance: | 1 100 | N | |

| EE | ANNEX EE, Household and home/office document/ | media shredders | Ν |
|----------------|--|--|---|
| EE.1 | General | © Milleration of Company of Milleration | N |
| EE.2 | Marking and instructions | 10 | Ν |
| ® . | Use of markings or symbols: | | N |
| Q _C | Information of user instructions, maintenance and/or servicing instructions: | 12 The state of th | N |
| EE.3 | Compliance: | - GO - CO | Ν |
| EE.4 | Disconnection of power to hazardous moving parts: | | N |
| | Use of markings or symbols: | The state of the s | N |
| EE.5 | Protection against hazardous moving parts | Allestolin of the Company of the Com | N |
| (R) ### | Test with test finger (figure 2A): | 1 | N |
| - C | Test with wedge probe (figure EE1 and EE2): | line: | N |



| Clause | Requiren | nent – Test | | | Res | ult – Remark | Verdict |
|----------------------|-------------------------------------|--|---|---|------------------|------------------|-------------------|
| ⇒ EN | 60950-1:20 | 006/A11:2009/ <i>A</i> | 1:2010/A12:2 | 2011/A2:2013 – 0 | CENELEC CO | MMON MODIFICAT | IONS |
| d Compliance | | subclauses, no 50-1 and it's a | | nd figures which a e prefixed "Z" | are additional t | o those | |
| Contents A2:2013) | Annex ZE | inormative) | Normative refe corresponding Special nation | erences to intern g European public nal conditions ELEC code desig | cations | | P. P. |
| General | Delete all | | notes in the | reference docum | | - loc | P |
| | 1.4.8 | Note 2 | 1.5.1 | Note 2 & 3 | 1.5.7.1 | Note | C ATTO |
| | 1.5.8 | Note 2 | 1.5.9.4 | Note | 1.7.2.1 | Note 4, 5 & 6 | |
| | 2.2.3 | Note | 2.2.4 | Note | 2.3.2 | Note | ALL S |
| | 2.3.2.1 | Note 2 | 2.3.4 | Note 2 | 2.6.3.3 | Note 2 & 3 | Complian |
| | 2.7.1 | Note | 2.10.3.2 | Note 2 | 2.10.5.13 | Note 3 | |
| | 3.2.1.1 | Note | 3.2.4 | Note 3 | 2.5.1 | Note 2 | |
| | 4.3.6 | Note 1 & 2 | 4.7 | Note 4 | 4.7.2.2 | Note | 不检 |
| | 4.7.3.1 | Note 2 | 5.1.7.1 | Note 3 & 4 | 5.3.7 | Note 1 | The of Global Co. |
| | 6 | Note 2 & 5 | 6.1.2.1 | Note 2 | 6.1.2.2 | Note | Attesti |
| | 6.2.2 | Note | 6.2.2.1 | Note 2 | 6.2.2.2 | Note | |
| | 7.1 | Note 3 | 7.2 | Note | 7.3 | Note 1 & 2 | - <u>FIII</u> |
| | G.2.1 | Note 2 | Annex H | Note 2 | TK KE THE | E Thomas | (B) 454 |
| General A1:2010) | according | g to the followin | g list: | | nt (IEC 60950- | 1:2005/A1:2010) | GC * |
| | 1.5.7.1 N 6.2.2.1 N | | 6.1.2 EE.3 | .1 Note 2 Note | | :111 | I Tomphi |
| General A2:2013) | according 2.7.1 Not 6.2.2. No | g to the followin e * 2.10.3.1 No te | g list: te 2 | ference documer Modification rema | CO Mester | :1:2005/A2:2013) | P P |
| .1.1 A1:2010) | Replace 1 | the text of NOT he requirements | E 3 by the fol of EN 60065 m | | meet safety re | quirements for | -C |



| EN 60950-1 | | | | | | |
|-------------------|---|--|-------------------|--|--|--|
| Clause | Requirement – Test | Result – Remark | Verdict | | | |
| .3.Z1 | Add the following subclause: | 2.C | 20 | | | |
| | 1.3.Z1 Exposure to excessive sound pressure | | N | | | |
| | The apparatus shall be so designed and constructed as to present no danger when used for its intended purpose, either | | 子 K 拉 河 | | | |
| | in normal operating conditions or under fault conditions, particularly providing protection against exposure to excessive sound pressures from headphones or earphones. | The state of Company C | Alle lation of | | | |
| | NOTE Z1 A new method of measurement is described in EN 50332-1, Sound system equipment: | 711 | | | | |
| | Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement | olimice The Age of Compliance | ® Allestano | | | |
| | methodology and limit considerations - Part 1: General method for "one package equipment", and in EN 50332-2, Sound | 2C | 9 | | | |
| | system equipment: Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations - | | * Julianco | | | |
| | Part 2: Guidelines to associate sets with headphones coming from different manufacturers. | Saltar of Cardina Computation (C. Saltar and C. Saltar and | G Country Country | | | |
| A12:2011) | In EN 60950-1:2006/A12:2011 | 3.0 | | | | |
| | Delete the addition of 1.3.Z1 / EN 60950-1:2006 | | N | | | |
| a C Alle | Delete the definition 1.2.3.Z1 / EN 60950-1:2006 /A1:2010 | The Complaint | Global Con | | | |
| .5.1 Added info*) | Add the following NOTE: NOTE Z1 The use of certain substances in electrical and electronic equipment is restricted within the EU: see Directive 2002/95/EC. | C | N | | | |
| .7.2.1 | New Directive 2011/65/11 * In addition, for a PORTABLE SOUND SYSTEM, the instructions | 3 3K | ad Compliance | | | |
| A1:2010) | shall include a warning that excessive sound pressure from earphones and headphones can cause hearing loss. | CC Manufacture of the state of | N N | | | |
| .7.2.1 | In EN 60950-1:2006/A12:2011 | | | | | |
| A12.2011) | Delete NOTE Z1 and the addition for Portable Sound System. Add the following clause and annex to the existing standard and amendments. | The fill of the state of the st | The North County | | | |
| -7111 | Zx Protection against excessive sound pressure from person | nal music players | | | | |
| | Zx.1 General | | | | | |
| | This sub-clause specifies requirements for protection against excessive sound pressure from personal music players that are closely coupled to the ear. It also specifies requirements for earphones and headphones intended for use with personal music players. | And State of | N S | | | |
| | A personal music player is a portable equipment for personal use, that: | G ill | A THIN | | | |
| | is designed to allow the user to listen to recorded or broadcast sound or video; and primarily uses headphones or earphones that can be worn in | Ford Companies @ Manager | Clot Compilar | | | |
| | or on or around the ears; - allows the user to walk around while in use. | CC | | | | |



| EN 60950-1 | | | |
|----------------------------------|---|--|--|
| Clause | Requirement – Test | Result – Remark | Verdict |
| KA JUL Na Compliance ® St. | NOTE 1 Examples are hand-held or body-worn portable CD players, MP3 audio players, mobile phones with MP3 type features, PDA's or similar equipment. | NGC | N |
| | A personal music player and earphones or headphones intended to be used with personal music players shall comply with the requirements of this sub-clause. | E THE THE PARTY OF | Figure of Guidal Community |
| | The requirements in this sub-clause are valid for music or video mode only. | | |
| | The requirements do not apply: while the personal music player is connected to an external amplifier; or while the headphones or earphones are not used. NOTE 2 An external amplifier is an amplifier which is not part of the personal music player or the listening device, but which is intended to play the music as a standalone music player. | | |
| | The requirements do not apply to: hearing aid equipment and professionalequipment; NOTE 3 Professional equipment is equipment sold through special sales channels. All products sold through normal electronics stores are considered not to be professional equipment. - analogue personal music players (personal music players without any kind of digitalprocessing of the sound signal) that are brought to the market before the end of 2015. NOTE 4 This exemption has been allowed because this technology is falling out of use and it is expected that within a few years it will no longer exist. This exemption will not be extended to other technologies. | | |
| | For equipment which is clearly designed or intended for use by young children, the limits of EN 71-1 apply. | SCC * | EGC * |
| GG AM | Zx.2 Equipment requirements No safety provision is required for equipment that complies with the following: equipment provided as a package (personal music player with its listening device), wherethe acoustic output LAeq,T is ≤ 85 dBA measured while playing the fixed"programme simulation noise" as described in EN 50332-1; and a personal music player provided with an analogue electrical output socket for a listening device, where the electrical output is ≤ 27 mV measured as described in EN 50332-2, while playing the fixed "programme simulation noise" as described in EN 50332-1. NOTE 1 Wherever the term acoustic output is used in this clause, the 30 s A-weighted equivalent sound pressure level LAeq,T is meant. See also Zx.5 and Annex Zx. | | The state of the s |



| EN 60950-1 | | | |
|------------|---|--|--|
| Clause | Requirement – Test | Result – Remark | Verdict |
| O SE | All other equipment shall: a) protect the user from unintentional acoustic outputs exceeding those mentionedabove; and b) have a standard acoustic output level not exceeding those | NGC : | N N |
| | mentioned above, andautomatically return to an output level not exceeding those mentioned above when the power is switched off; and | A The state of the | The support colors |
| | c) provide a means to actively inform the user of theincreased sound pressure when the equipment is operated with an acoustic output exceeding those mentioned above. Any | | |
| | means used shall be acknowledged by the user before activating a mode of operation which allows for an acoustic output exceeding those mentioned above. The acknowledgement does not need to be repeated more than | | C American |
| | once every 20 h of cumulative listening time; and NOTE 2 Examples of means include visual or audible signals. Action from the user is always required. | S T TE THE | K James Sandara |
| | NOTE 3 The 20 h listening time is the accumulative listening time, independent how often and how long the personal music player has been switched off. | | F.C.C |
| | d) have a warning as specified in Zx.3; and e) not exceed the following: 1) equipment provided as a package (player with Its listening device), the acoustic output shall be ≤ 100 dBA measured while playing the fixed "programme simulation noise" described in EN 50332-1; and | | S. F. T. K. |
| | 2) a personal music player provided with an analogue electrical output socket for a listening device, the electrical output shall be ≤ 150 mV measured as described in EN 50332-2, while playing the fixed "programme simulation noise" described in EN 50332-1. | | |
| | For music where the average sound pressure (long term LAeq,T) measured over the duration of the song is lower than the average produced by the programme simulation noise, the warning does not need to be given as long as the average sound pressure of the song is below the basic limit of 85 dBA. | NG NAME OF THE PARTY OF THE PAR | The state of the s |
| | In this case T becomes the duration of the song. NOTE 4 Classical music typically has an average sound pressure (long term LAeq,T) which is much lower than the average programme simulation noise. Therefore, if the player is capable to analyse the song and compare it with the programme simulation | AGC | PC SEE |
| | noise, the warning does not need to be given as long as the average sound pressure of the song is below the basic limit of 85 dBA. | CC FEET TO SE | CC |
| | For example, if the player is set with the programme simulation noise to 85 dBA, but the average music level of the song is only 65 dBA, there is no need to give a warning or ask an acknowledgement as long as the average sound level of the song is not above the basic limit of 85 dBA. | Fall Market | The state of the s |



| EN 60950-1 | | | |
|------------------|---|--|--|
| Clause | Requirement – Test | Result – Remark | Verdict |
| | Zx.3 Warning The warning shall be placed on the equipment, or on the packaging, or in the instruction manual and shall consist of the following: - the symbol of Figure 1 with a minimum height of 5 mm; and - the following wording, or similar: | AGC MARKET TO SERVICE OF THE PARK THE P | N N |
| | "To prevent possible hearing damage, do not listen at high volume levels for long periods." Figure 1 – Warning label (IEC 60417-6044) Alternatively, the entire warning may be given through the | | |
| GO | equipment display during use, when the user is asked to acknowledge activation of the higher level. Zx.4 Requirements for listening devices (headphones and expressions) | earphones) | N |
| Octobronco (8) 4 | Zx.4.1 Wired listening devices with analogue input With 94 dBA sound pressure output LAeq,T, the input voltage of the fixed "programme simulation noise" described in EN 50332-2 shall be ≥ 75 mV. | NGC TANK ME AND ADDRESS OF THE PARTY OF THE | N E England |
| | This requirement is applicable in any mode where the headphones can operate (active or passive), including any available setting (for example built-in volume level control). | C | So the state of th |
| ilestation " | NOTE The values of 94 dBA – 75 mV correspond with 85dBA – 27 mV and 100 dBA – 150 mV. | E TA | bod Cemphance |
| 3C ** | Zx.4.2 Wired listening devices with digital input With any playing device playing the fixed "programme simulation noise" described in EN 50332-1 (and respecting the digital interface standards, where a digital interface standard exists that specifies the equivalent acoustic level), the acoustic output LAeq,T of the listening device shall be ≤ 100 dBA. | NGC # | G N |
| | This requirement is applicable in any mode where the headphones can operate, including any available setting (for example built-in volume level control, additional sound feature like equalization, etc.). | The state of the s | |
| | NOTE An example of a wired listening device with digital input is a USB headphone. | mulairee 8 Martin of Catala Compiler | C Marie |



| | EN 60950-1 | | |
|--|---|--|---------------------------------------|
| Clause | Requirement – Test | Result – Remark | Verdict |
| | Zx.4.3 Wireless listening devices In wireless mode: with any playing and transmitting device playingthe fixed programme simulation noisedescribedin EN 50332-1; and respecting the wireless transmission standards, where an air interface standard exists that specifies the equivalent acoustic level; and with volume and sound settings in the listening device (for example built-in volume level control, additional sound feature like equalization, etc.) set to the combinationof positions that maximize the measured acoustic output for the abovementioned programme simulation noise, the acoustic output LAeq,T of the listening device shall be ≤ 100 dBA. | | N N N N N N N N N N N N N N N N N N N |
| 8 ## | NOTE An example of a wireless listening device is a Bluetooth headphone. | | - juli |
| | Zx.5 Measurement methods Measurements shall be made in accordance with EN 50332-1 or EN 50332-2 as applicable. Unless stated otherwise, the time interval T shall be 30 s. | GC Manufacture Company | N |
| (S) | NOTE Test method for wireless equipment provided without listening device should be defined. | 10000000000000000000000000000000000000 | 环 恒 |
| 2.7.1 | Replace the subclause as follows: Basic requirements To protect against excessive current, short-circuits and earth faults in PRIMARY CIRCUITS, protective devices shall be included either as integral parts of the equipment or as parts of the building installation, subject to the following, a), b) and c): | | Till N |
| | a) except as detailed in b) and c), protective devices necessary to comply with the requirements of 5.3 shall be included as parts of the equipment; | C Manufacture | GG * |
| GC TO | b) for components in series with the mains input to the equipment such as the supply cord, appliance coupler, r.f.i. filter and switch, short-circuit and earth fault protection may be provided by protective devices in the building installation; | To the state of th | 新 |
| | c) it is permitted for PLUGGABLE EQUIPMENT TYPE B or PERMANENTLY CONNECTED EQUIPMENT, to rely on dedicated overcurrent and short-circuit protection in the building installation, provided that the means of protection, e.g. fuses or circuit breakers, is fully specified in the installation instructions. | Till the state of | o N |
| The state of the s | If reliance is placed on protection in the building installation, the installation instructions shall so state, except that for PLUGGABLE EQUIPMENT TYPE A the building installation shall be regarded as providing protection in accordance with the rating of the wall socket outlet. | CO E | EX. IIII |
| 2.7.2 | This subclause has been declared 'void'. | astronia CO Mills | N |
| 3.2.3 | Delete the NOTE in Table 3A, and delete also in this table the conduit sizes in parentheses. | 711 | N |



| EN 60950-1 | | | |
|------------------------------|--|--|--|
| Clause | Requirement – Test | Result – Remark | Verdict |
| 3.2.5.1 | Replace "60245 IEC 53" by "H05 RR-F"; "60227 IEC 52" by "H03 VV-F or H03 VVH2-F"; "60227 IEC 53" by "H05 VV-F or H05 VVH2-F2". In Table 3B, replace the first four lines by the following: Up to and including 6 0,75 a) | Sec. 1 | 30 |
| | Over 6 up to and including 10 (0,75) b) 1,0 Over 10 up to and including 16 (1,0) c) 1,5 | The ship of Copy of Co | N |
| | In the conditions applicable to Table 3B delete the words "in some countries" in condition ^{a)} . | | F V |
| C | In NOTE 1, applicable to Table 3B, delete the second sentence. | S See Second | C Mestations |
| 3.2.5.1 (A2:2013) | NOTE Z1 The harmonised code designationscorresponding to the IEC cord types are given in Annex ZD | GC TO | N |
| 3.3.4 | In Table 3D, delete the fourth line: conductor sizes for 10 to 13 A, and replace with the following: | The Hardward The The | Tamplance NI |
| | Over 10 up to and including 16 1,5 to 2,5 1,5 to 4 Delete the fifth line: conductor sizes for 13 to 16 A | Italian of Calmid Co. S. Manual Co. Manual C | N _C C |
| 4.3.13.6 (A1:2010) | Replace the existing NOTE by the following: NOTE Z1 Attention is drawn to: | | 拉测 |
| | 1999/519/EC: Council Recommendation on the limitation of exposure of the general public to electromagnetic fields 0 Hz to 300 GHz, and | C. Martin de Court Company | The section of Course Course |
| THE STATE OF GOODING COMPANY | 2006/25/EC: Directive on the minimum health and safety requirements regarding the exposure of workers to risks arising from physical agents (artifical optical radiation). | | ig ill |
| | Standards taking into account mentioned Recommendation and Directive which demonstrate compliance with the applicable EU Directive are indicated in the OJEC. | | N A |
| Annex H | Replace the last paragraph of this annex by: | | |
| | At any point 10 cm from the surface of the OPERATOR ACCESS AREA, the dose rate shall not exceed 1 µSv/h (0,1 mR/h) (see NOTE). Account is taken of the background level. Replace the notes as follows: | E. T. | To the state of th |
| K Compliance | NOTE These values appear in Directive 96/29/Euratom. Delete NOTE 2. | -11 | |
| Bibliography | Additional EN standards. | The transfer of the transfer o | ® Za zajono |

| ZA | NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR | |
|--------|---|---|
| # Glob | CORRESPONDING EUROPEAN PUBLICATIONS | _ |

| | | EN 60950-1 | MA 1.09 | (t |
|------------|--------------------|-------------------------|--------------------|---------|
| Clause | Requirement – Test | | Result – Remark | Verdict |
| Compliance | ZB ANNEX (no | ormative)SPECIAL NATION | AL CONDITIONS (EN) | :111) |



| | EN 60950-1 | | | | |
|-----------------------|--|--|---|--|--|
| Clause | Requirement – Test | Result – Remark | Verdict | | |
| ALL THE | ZB ANNEX (normative)SPECIAL NATIONAL COND | DITIONS (EN) | 60 | | |
| 1.2.4.1 | In Denmark , certain types of Class I appliances (see 3.2.1.1) may be provided with a plug not establishing earthing conditions when inserted into Danish socket-outlets. | | N THE ACTION OF | | |
| 1.2.13.14 | In Norway and Sweden , for requirements see 1.7.2.1 and 7.3 of this annex. | The salion of coldad County | N N | | |
| 1.5.7.1 | In Finland, Norway and Sweden , resisters bridging BASIC INSULATION in CLASS I PLUGGABLE EQUIPMENT TYPE A must comply with the requirements in 1.5.7.1. In addition when a single resister is used, the resister must withstand the resister test in 1.5.7.2. | MIN TO THE | N N | | |
| 1.5.8 | In Norway , due to the IT power system used (see annex V, Figure V.7), capacitors are required to be rated for the applicable line-to-line voltage (230 V). | GO D | N | | |
| 1.5.9.4 | In Finland , Norway and Sweden , the third dashed sentence is applicable only to equipment as defined in 6.1.2.2 of this annex. | | N | | |
| 1.7.2.1 | In Finland , Norway and Sweden , CLASS I PLUGGABLE EQUIPMENT TYPE A intended for connection to other equipment or a network shall, if safety relies on connection to protective earth or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment must be connected to an earthed mains socket-outlet. | C Market Control | N A A A A A A A A A A A A A A A A A A A | | |
| | The marking text in the applicable countries shall be as follows: In Finland: "Laite on liitettävä suojakoskettimilla varustettuun | A THE STATE OF STATE | and Creening res | | |
| | pistorasiaan" In Norway: "Apparatet må tilkoples jordet stikkontakt" | P.G.C. | GO | | |
| 1.7.2.1 (A11:2009) | In Sweden: "Apparaten skall anslutas till jordat uttag" In Norway and Sweden , the screen of the cable distribution system is normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building. Therefore the protective earthing of the building installation need to be isolated from the screen of a cable distribution system. | A CO | N | | |
| | It is however accepted to provide the insulation external to the equipment by an adapter or an interconnection cable with galvanic isolator, which may be provided by e.g. a retailer. | CC The state of th | GC Marie | | |
| | The user manual shall then have the following or similar information in Norwegian and Swedish language respectively, depending on in what country the equipment is intended to be used in: | T. T. B. T. S. | TA COMPANIES | | |



| EN 60950-1 | | | | | | | |
|----------------------|--|--|--|--|--|--|--|
| Clause | Requirement – Test | Result – Remark | Verdict | | | | |
| * FILL - 1970 | ZB ANNEX (normative)SPECIAL NATIONAL COND | DITIONS (EN) | GU | | | | |
| GG F | "Equipment connected to the protective earthing of the building installation through the mains connection or through other equipment with a connection to protective earthing – and to a cable distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a cable distribution system has therefore to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11)." | E THE STATE OF THE | N THE STATE OF THE | | | | |
| | NOTE In Norway, due to regulation for installations of cable distribution systems, and in Sweden, a galvanic isolator shall provide electrical insulation below 5 MHz. The insulation shall withstand a dielectric strength of 1,5 kV r.m.s., 50 Hz or 60 Hz, for 1 min. | | | | | | |
| | Translation to Norwegian (the Swedish text will also be accepted in Norway): | TO THE THE | The Compliance | | | | |
| | "Utstyr som er koplet til beskyttelsesjord via nettplugg og/eller via annet jordtilkoplet utstyr – og er tilkoplet et kabel-TV nett, kan forårsake brannfare. For å unngå dette skal det ved tilkopling av utstyret til kabel-TV nettet installeres en galvanisk isolator mellom utstyret og kabel- TV nettet." | AGC # | NG (| | | | |
| | Translation to Swedish: | The Complete | @ Frailon of Global Co. | | | | |
| | "Utrustning som är kopplad till skyddsjord via jordat vägguttag och/eller via annanutrustning och samtidigt är kopplad till kabel-TV nät kan i vissa fall medföra risk förbrand. För att undvika detta skall vid anslutning av utrustningen till kabel-TV nätalvanisk isolator finnas mellan utrustningen och kabel-TV nätet." | | | | | | |
| 1.7.2.1 (A2:2013) | In Denmark , CLASS I PLUGGABLE EQUIPMENT TYPE A intended for connection to other equipment or a network shall, if safety relies on connection to protective earth or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment must be connected to an earthed mains socket-outlet. The marking text in Denmark shall be as follows: In Denmark : "Apparatets stikprop skal tilsluttes en stikkontakt med jord, som giver forbindelse til stikproppens jord." | | GCN Extraction of the state of | | | | |
| 1.7.5 | In Denmark , socket-outlets for providing power to other equipment shall be in accordance with the Heavy Current Regulations, Section 107-2-D1, Standard Sheet DK 1-3a, DK 1-5a or DK 1-7a, when used on Class I equipment. For STATIONARY EQUIPMENT the socket-outlet shall be in accordance with Standard Sheet DK 1-1b or DK 1-5a. For CLASS II EQUIPMENT the socket outlet shall be in accordance with Standard Sheet DKA 1-4a. | GC Manufactured Company | The state of the s | | | | |



| | EN 60950-1 | | |
|--------------------|--|--|---------|
| Clause | Requirement – Test | Result – Remark | Verdict |
| TILL THE | ZB ANNEX (normative)SPECIAL NATIONAL COND | DITIONS (EN) | GU |
| 1.7.5 (A2:2013) | In Denmark , socket-outlets for providing power to other equipment shall be in accordance with the DS 60884-2-D1:2011. For class I equipment the following Standard Sheets are applicable: DK 1-3a, DK 1-1c, DK 1-1d, DK 1-5a or DK 1-7a, with the exception for STATIONARY EQUIPMENT where the socket-outlets shall be in accordance with Standard Sheet DK 1-1b, DK 1-1c, DK 1-1d or DK 1-5a. Socket outlets intended for providing power to Class II apparatus with a rated current of 2,5 A shall be in accordance with DS 60884-2-D1 standard sheet DKA 1-4a. Other current rating socket outlets shall be in compliance with by DS 60884-2-D1 Standard Sheet DKA 1-3a or DKA 1-3b. Justification the Heavy Current Regulations, 6c | | N N |
| 2.2.4 | In Norway , for requirements see 1.7.2.1, 6.1.2.1 and 6.1.2.2 of this annex. | For at Choles Compliance @ Frederich | N N |
| 2.3.2 | In Finland , Norway and Sweden there are additional requirements for the insulation. See 6.1.2.1 and 6.1.2.2 of this annex. | NGO III | N |
| 2.3.4 | In Norway , for requirements see 1.7.2.1, 6.1.2.1 and 6.1.2.2 of this annex. | ® Manufacture Company | S A N |
| 2.6.3.3 | In the United Kingdom , the current rating of the circuit shall be taken as 13 A, not 16 A. | C CC | N |
| 2.7.1 | In the United Kingdom , to protect against excessive currents and short-circuits in the PRIMARY CIRCUIT of DIRECT PLUG-IN EQUIPMENT, tests according to 5.3 shall be conducted, using an external protective device rated 30 A or 32 A. If these tests fail, suitable protective devices shall be included as integral parts of the DIRECT PLUG-IN EQUIPMENT, so that the requirements of 5.3 are met. | AGC Market | N N |
| 2.10.5.13 | In Finland , Norway and Sweden , there are additional requirements for the insulation, see 6.1.2.1 and 6.1.2.2 of this annex. | THE THE PARTY OF T | N |



| EN 60950-1 | | | | | | |
|--------------------|--|--|--|--|--|--|
| Clause | Requirement – Test | Result – Remark | Verdict | | | |
| TILL STATE | ZB ANNEX (normative)SPECIAL NATIONAL CONI | DITIONS (EN) | 30 | | | |
| 3.2.1.1 | In Switzerland , supply cords of equipment having a RATED CURRENT not exceeding 10 A shall be provided with a plug complying with SEV 1011 or IEC 60884-1 and one of the following dimension sheets: | The state of the s | N I | | | |
| | SEV 6532-2.1991 Plug Type 15 3P+N+PE 250/400 V, 10 A | allestation of | | | | |
| | SEV 6533-2.1991 Plug Type 11 L+N 250 V, 10 A SEV 6534-2.1991 Plug Type 12 L+N+PE 250 V, 10 A | | | | | |
| | In general, EN 60309 applies for plugs for currents exceeding 10 A. However, a 16 A plug and socket-outlet system is being introduced in Switzerland, the plugs of which are according to the following dimension sheets, published in February 1998: SEV 5932-2.1998: Plug Type 25, 3L+N+PE 230/400 V, 16 A | | GC F | | | |
| | SEV 5933-2.1998: Plug Type 21, L+N, 250 V, 16A SEV 5934-2.1998: Plug Type 23, L+N+PE 250 V, 16 A | The Manual Control of the Control of | ET John Diance | | | |
| 3.2.1.1 | In Denmark , supply cords of single-phase equipment having a rated current not exceeding13 A shall be provided with a plug according to the Heavy Current Regulations, Section 107-2-D1. | PCC # | N | | | |
| | CLASS I EQUIPMENT provided with socket-outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a. | C Market of the Second | © The different of Country Co. | | | |
| The station of Co. | If poly-phase equipment and single-phase equipment having a RATED CURRENT exceeding 13 A is provided with a supply cord with a plug, this plug shall be in accordance with the Heavy Current Regulations, Section 107-2-D1 or EN 60309-2. | | | | | |
| 3.2.1.1 | In Spain , supply cords of single-phase equipment having a rated current not exceeding 10 A shall be provided with a plug according to UNE 20315:1994. | | N 1/2 Complete | | | |
| | Supply cords of single-phase equipment having a rated current not exceeding 2,5 A shall be provided with a plug according to UNE-EN 50075:1993. | Find the second | A Paragraphic Communication of the Communication of | | | |
| | CLASS I EQUIPMENT provided with socket-outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring rules, shall be provided with a plug in accordance with standard UNE 20315:1994. | The state of the s | CO | | | |
| | If poly-phase equipment is provided with a supply cord with a plug, this plug shall be in accordance with UNE-EN 60309-2. | GO I | imi. | | | |



| EN 60950-1 | | | | | | |
|---------------|--|--|---|--|--|--|
| Clause | Requirement – Test | Result – Remark | Verdict | | | |
| 松 | ZB ANNEX (normative)SPECIAL NATIONAL COND | DITIONS (EN) | GU | | | |
| 3.2.1.1 | In the United Kingdom , apparatus which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to BS 1363 by means of that flexible cable or cord and plug, shall be fitted with a 'standard plug' in accordance with Statutory Instrument 1768:1994 - The Plugs and Sockets etc. (Safety) Regulations 1994, unless exempted by those regulations. | A The state of the | N M | | | |
| | NOTE 'Standard plug' is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug. | AND THE STATE OF T | ® Allestrich | | | |
| 3.2.1.1 | In Ireland , apparatus which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to I.S. 411 by means of that flexible cable or cord and plug, shall be fitted with a 13 A plug in accordance with Statutory Instrument 525:1997 - National Standards Authority of Ireland (section 28) (13 A Plugs and Conversion Adaptors for Domestic Use) Regulations 1997. | GG interest of the state of the | N A A A A A A A A A A A A A A A A A A A | | | |
| 3.2.4 | In Switzerland , for requirements see 3.2.1.1 of this annex. | 10 | N | | | |
| 3.2.5.1 | In the United Kingdom , a power supply cord with conductor of 1,25 mm2 is allowed for equipment with a rated current over 10 A and up to and including 13 A. | Some Find Contractor | N | | | |
| 3.3.4 | In the United Kingdom , the range of conductor sizes of flexible cords to be accepted by terminals for equipment with a RATED CURRENT of over 10 A up to and including 13 A is: | C SCC | N | | | |
| Attestation 5 | • 1,25 mm² to 1,5 mm² nominal cross-sectional area. | | A Juga | | | |
| 4.3.6 | In the United Kingdom , the torque test is performed using a socket outlet complying with BS 1363 part 1:1995, including Amendment 1:1997 and Amendment 2:2003 and the plug part of DIRECT PLUG-IN EQUIPMENT shall be assessed to BS 1363: Part 1, 12.1, 12.2, 12.3, 12.9, 12.11, 12.12, 12.13, 12.16 and 12.17, except that the test of 12.17 is performed at not less than 125 °C. Where the metal earth pin is replaced by an Insulated Shutter Opening Device (ISOD), the requirements of | AGC Management | N S | | | |
| 4.3.6 | clauses 22.2 and 23 also apply. In Ireland, DIRECT PLUG-IN EQUIPMENT is known as plug similar devices. Such devices shall comply with Statutory Instrument 526:1997 - National Standards Authority of Ireland (Section 28) (Electrical plugs, plug similar devices and sockets for domestic use) Regulations, 1997. | | N | | | |



| | EN 60950-1 | | |
|----------------------|---|--|---|
| Clause | Requirement – Test | Result – Remark | Verdict |
| THE SALE | ZB ANNEX (normative)SPECIAL NATIONAL CONI | DITIONS (EN) | 60 |
| 5.1.7.1 | In Finland, Norway and Sweden TOUCH CURRENT measurement results exceeding 3,5 mA r.m.s. are permitted only for the following equipment: • STATIONARY PLUGGABLE EQUIPMENT TYPE A that is intended to be used in a RESTRICTED ACCESS LOCATION where equipotential bonding has been applied, for example, in a telecommunication centre; and | A STATE OF THE PARTY OF THE PAR | N M |
| | has provision for a permanently connected PROTECTIVE EARTHING CONDUCTOR; and is provided with instructions for the installation of that conductor by a SERVICE PERSON; • STATIONARY PLUGGABLE EQUIPMENT TYPE B; • STATIONARY PERMANENTLY CONNECTEDEQUIPMENT. | | GC *** |
| 6.1.2.1 (A1:2010) | In Finland , Norway and Sweden , add the following text between the first and second paragraph of the compliance clause: | The state of the s | N N |
| | If this insulation is solid, including insulation forming part of a component, it shall at least consist of either -two layers of thin sheet material, each of which shall pass the electric strength test below, or | AGO TA ATE AND A | The total committee of the committee of |
| | -one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below. | C Mention CC | J. Hestation di |
| | Alternatively for components, there is no distance through insulation requirements for the insulation consisting of an insulating compound completely filling the casing, so that CLEARANCES and CREEPAGE DISTANCES do not exist, if the component passes the electric strength test in accordance with the compliance clause below and in addition | | |



| | EN 60950-1 | | |
|---------|--|--|--|
| Clause | Requirement – Test | Result – Remark | Verdict |
| 1111 | ZB ANNEX (normative)SPECIAL NATIONAL COND | DITIONS (EN) | -60 |
| GC # | -passes the tests and inspection criteria of 2.10.11 with an electric strength test of 1,5 kV multiplied by 1,6 (the electric strength test of 2.10.10 shall be performed using 1,5 kV), and -is subject to ROUTINE TESTING for electric strength during manufacturing, using a test voltage of 1,5 kV. | E THE THE THE THE CO | N THE |
| | It is permitted to bridge this insulation with an optocoupler complying with 2.10.5.4 b). | , | |
| | It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2. | All I I I I I I I I I I I I I I I I I I | ® ## |
| | A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions: | ® Allestandrod Gods | OC F |
| | -the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3 testing, is tested with an impulse test of 2,5 kV defined in EN 60950-1:2006, 6.2.2.1; | F. W. L. Common of F. S. | The state of the s |
| | -the additional testing shall be performed on all the test specimens as described in EN 60384-14: | CC man | F.C. |
| | -the impulse test of 2,5 kV is to be performed before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14. | T. K. W. | S. A. F. of Commont |
| 3.1.2.2 | In Finland, Norway and Sweden, the exclusions are applicable for PERMANENTLY CONNECTED EQUIPMENT, PLUGGABLE EQUIPMENT TYPE B and equipment intended to be used in a RESTRICTED ACCESS LOCATION where equipotential bonding has been applied, e.g. in a telecommunication centre, and which has provision for a permanently connected PROTECTIVE EARTHING CONDUCTOR and is provided with instructions for the installation of that conductor by a SERVICE PERSON. | | N |
| 7.2 | In Finland, Norway and Sweden, for requirements see | | N |
| | 6.1.2.1 and 6.1.2.2 of this annex. The term TELECOMMUNICATION NETWORK in 6.1.2 being replaced by the term CABLE DISTRIBUTION SYSTEM. | To The Manual Company of the Company | At abuton of Clobal Comm |
| 7.3 | In Norway and Sweden , for requirements see 1.2.13.14 and 1.7.2.1 of this annex. | P. Co. | N |
| 7.3 | In Norway , for installation conditions see EN 60728-11:2005. | - TILL | N , |



| 1.5.1 | TABLE: list of critical compone | nts | I In the | The state of the s | impliance P |
|-------------------|--|---------------------|--|--|---|
| Object/part no | o. Manufacturer/ trademark | Type/model | Technical data | Standard | Mark(s) of conformity |
| PCB | Interchangeable | Interchangeable | V-0, 130°C | UL94, UL796 | UL 👊 |
| Coil | FINE ELECTRONICS INDUSTRIAL (HK) LIMITED | PAD3X5 | 105°C | EN60950-1 | Test with equipment |
| Plastic enclosure | KINGFA SCI & TECH CO LTD | JH8-R20T05 (ddd) | Min.1.1mm thick, V-1, 80°C | UL94 | UL E171666 |
| Battery | Zhongshan Tianmao Battery Co., Ltd | 9560A0PL | 3.7V, 8000mAh | IEC 62133:2012 | SGS CB report: SZES17070 0288901 |
| Battery wire | Interchangeable | Interchangeable | Min. 24AWG, min. 80°C, min. 30V, VW-1 | UL 758 | UL |
| Note(s): | 100 | | 孤 | ilarice I | Dal Compilant |

| 1.6.2 | TABLE: e | electrical data (| in normal cor | nditions) | | P |
|------------------|----------|-------------------|---------------|-------------|--------------------|------------------|
| U (V) | I (A) | Irated (A) | P (W) | Fuse # | Ifuse (A) | Condition/status |
| 5 (micro USB) | 1.48 | 2 | 7.4 | Complianc - | The post complance | Normal operation |
| 5 (type C) | 1.83 | 2.1 | 9.15 | (S) (S) | station of | Normal operation |

| 2.1.1.5c)1) | .5c)1) TABLE: max. V, A, VA test | | @ # Junol Com | A Titles | P | |
|---------------|----------------------------------|----------------|---------------|--------------------|--------------------------|----------------------|
| Voltage (rate | ed) (V) | Current (rated |) (A) | Voltage (max.) (V) | Current (max.) (A) | VA (max.) (VA) |
| 5 (US | SB) | 2 | | 5.06 | 2.6 | 12.4 |
| Note(s): | | litt: | JD: | 利 | The Normalian Compliance | ® Antestation of Geo |

| 2.1.1.5c)2) | TABLE: stored energy | - CC - N | 30 | N |
|-------------|--------------------------|-----------------|---|--------------|
| Capacitance | e C (μF) | Voltage U (V) | F | Energy E (J) |
| | | E # | For Global Continues (S. St. Jahon of Global) | - CG Allese |
| Note(s): | Hallance F. Holad Comple | Find Global Com | 20 | |

| 2.2 | TABLE: evaluation of voltage limiting components in SELV circuits | | | | | Sal Complied N |
|------------------------------|---|-----|------------------|--------------------|------|----------------|
| Company (management between) | | | max. voltage (V) | (normal operation) | Volt | age Limiting |
| Component | Component (measured between) | | | Vd.c. | Co | omponents |
| Glopal & | Manufacture of Global Control | 100 | | [] | ill) | IN TOTAL |



| Fault test pe | Fault test performed on voltage limiting components | | | | Voltage measured (V) in SELV circuits (V peak or V d.c. | | | |
|---------------|---|-----------------------|------------------------|---------------|---|---------------------------------------|--|--|
| | | - T. E. | Allance KE | Appliance © # | ® | altion of Colours San Attractation of | | |
| Note(s): | W. The | (8) Anilor of Clobald | ® # Jion of Clobal Co. | ~GO | - GO - | 100 | | |

| 2.5 TABLE: limited power source me Measured Uoc (V) with all load circuits | lsc (| (A) | VA | 1 |
|---|-------|-------|-------|-------|
| disconnected: | Meas. | Limit | Meas. | Limit |
| 5.06 (normal) | 2.6 | 8 | 12.4 | 100 |
| 4.17 (U1 pin7-8 S-C) | 6.6 | 8 | 15.5 | 100 |

| 2.10.2 | TABLE: Working | TABLE: Working voltage measurement | | | | | | |
|----------|----------------|--|---------------------------------|--------------|--|--|--|--|
| Location | | RMS voltage (V) | Peak voltage (V) | Comments | | | | |
| | -111 | T. 12. 15. | Compliance @ Milestation of Co. | C Mineston C | | | | |
| Note(s): | The Compliance | (S) Attendation of Cious (S) Attendation of Co | 100 | 9 | | | | |

| 2.10.3 and 2.10.4 | TABLE: clearance | e and creepage | distance mea | surements | © 55 | aalion of Global Cons | N N |
|------------------------------|---------------------|----------------|-----------------|---------------------|----------------|-----------------------|-----------------|
| Clearance cl distance dcr | and creepage at/of: | U p (V) | U r.m.s. (V) | Required cl (mm) | cl (mm) | Required dcr (mm) | dcr (mm) |
| Attestation of | -6 | | | | <u> </u> | - 4 | Findings |
| Note(s): | 9 | -all | T. 18 | ompliance | The Compliance | ® A Jion of Global | ® ## Filestello |

| 2.10.5 | 2.10.5 TABLE: distance through insulation measurements | | | | | | |
|--------------|--|-----------------|---------------------|---------------------|------------|--|--|
| Distance thr | ough insulation di at/of: | U r.m.s. (V) | Test voltage (V) | Required di (mm) | di (mm) | | |
| | | | | | | | |
| Note(s): | © America | CG Allee | -60 | | | | |

| 4.3.8 | TABLE: Batteries | | | | TV Kinghance | 不 | al Compliance | © Paradon of G | |
|--|---|----------------------------|--------------------|------------------|-----------------------|------------------------|---------------|------------------|------------------|
| The tests of 4.3.8 are applicable only when appropriate battery data is not available | | | | o of Global | ® Attestation of Guar | NG. | Р | | |
| Is it possible to | Is it possible to install the battery in a reverse polarity position? | | | | ? | Impossible | | | ₩N |
| J ** | Non-red | Non-rechargeable batteries | | | | Rechargeable batteries | | | |
| | Disch | arging | Uninten- | Cha | rging | Discha | arging | Reverse | Charging |
| TA TO THE TOTAL CONTROL OF THE TOTAL CONTROL OT THE TOTAL CONTROL OF THE TOTAL CONTROL OF THE TOTAL CONTROL OT THE TOTAL CONTROL OF THE | Meas. Current | Manuf. Specs. | tional charging | Meas. Current | Manuf. Specs. | Meas. Current | Manuf.S pecs. | Meas. Current | Manuf. Specs. |



| Max. current during normal condition | | A.G | - All | 1.97 | 4 | 2.85 | 8 | Figure 1 Comple | S THE STATE OF THE |
|--------------------------------------|--|--------------------|----------------|--------------|---------------------|--------------|--------------------|-----------------|--|
| Max. current during fault condition | K Kill All All All All All All All All All | GG ** | <u>-</u> 80 | 2.42 | 4 | 3.77 | 8 | -130 | The Manual Co. |
| Test results: | | | | 极 july | THE THE | | Compliance Name | ® ## | Verdict |
| - Chemical leak | S | E TIM | ® # Jamon of C | (B) 45% | Figor of Global Con | 8 # Janon of | Hope | G Allo | Р |
| - Explosion of the | ne battery | Cours | G M | C.C * | | \cup | | | Р |
| - Emission of fla | me or expu | ulsion of mo | Iten metal | | | | 3 | Films - Amil | PF |
| - Electric streng | th tests of e | equipment a | fter complet | ion of tests | | EV Company | 3 Station of Globs | Genv. | N |
| Note(s): | FA Command | - F Global Compile | © A North | Global Comon | Allestation | - GC | Allegia | | |

| 4.3.8 | TABLE: Batteries | | 下 校 测 | Sometimes N |
|--------------|--|------------------------|--|--|
| Battery ca | ategory | The figures | ® # Junof Global Co | ® Martinos Coo. |
| Manufactu | urer | . O | -,C | ,0 |
| Type/mod | lel | A: | | A 利 |
| Voltage, C | Capacity | | 拉测 | EK at Compliant & F A Cook Const. |
| Circuit pro | otection diagram | , | and comments of the state of th | |
| <u>I</u> | The state of the s | 20 | No | |
| MARKING | SS AND INSTRUCTIONS (1.7.13) | | | |
| Location c | of replaceable battery | - Kampione | The tomplance | (a) The state of t |
| Language | e(s) | | The Jahon of Gib | C Meet 360 M |
| Close to the | he battery | | | |
| In the serv | vicing instructions | : | THE STATE OF THE S | The Complaine |
| In the ope | rating instructions | : <u>sk</u> j | Onglanco Tonglanco | mplants (C) Market along of Co |
| Note(s): | The Seminary The State Commen | (i) The state of Globs | (C) Attestation of C | 100 |

| 4.5 | 4.5 TABLE: maximum temperatures | | | | | |
|----------|---------------------------------------|-------------|--|----------------------------|------|--|
| | Test voltage (V): | b) Discharg | g by type C; ging by wireless ging by USB; | © Annear of County Company | | |
| | to man a victoria. To af in a millato | | allowed Tmax | | | |
| maximum | temperature T of part/at: | a) | b) | c) | (°C) | |
| PCB near | U1 | 79.4 | 75.2 | 95.3 | 130 | |
| PCB near | U3 | 75.6 | 73.8 | 87.9 | 130 | |
| PCB near | Q5 % | 57.6 | 75.8 | 59.6 | 130 | |



| Output coil | Output coil | | | | 1 1 | 56.8 | 105 |
|--------------------------------|---------------------|--------------------|---------------------|--------------------|------------------|-------------------------------|-----------------------|
| Enclosure inside | 59.5 | 57. | 3 | 60.9 | 80 | | |
| Enclosure outside | 50.7 | 50. | 2 | 52.5 | 95 | | |
| Battey wire | 58.8 | 57. | 4 | 60.6 | 80 | | |
| Battery body | | | 57.1 | 56. | 2 | 58.3 | Ref |
| Ambient | | The Kill | 40.0 | 40. | 0 4 | 40.0 | Allestation of |
| Temperature T of winding | t ₁ (°C) | R ₁ (Ω) | t ₂ (°C) | R ₂ (Ω) | T (°C) | Allowed T _{max} (°C) | Insulation Class |
| Attestation of C | (O | 7-0 | | | | <u></u> | Th |
| Note: Having a specified maxim | um ambient | temperatu | re of 40°C | 不 梅 | pliance -lini | The King Compliance | ® Milestation of Calo |

| 4.5.5 | TABLE: ball pressure test of thermoplastic parts | | | N |
|----------|---|----------------------|----------|---------------------|
| CO | allowed impression diameter (mm): | - A THE | 4 | |
| Part | | Test temperature(°C) | | ion diameter mm) |
| K July | 天 to to the state of the state | Go - 10 | | |
| Note(s): | | | KI MINOS | The Compliant |

| 4.7 | TABLE: Resista | ince to fire | The tomplance | nobal Compile | Alles lation of | P |
|------------|----------------|--------------------|------------------|----------------|--------------------|---------------|
| Part | Manufa | cturer of material | Type of material | Thickness (mm) | Flammability class | Evidence |
| Attestatio | 3G M | 1 | : | 700 | 3 | K Compliance |
| Note(s): | | 700 | The Compliance | The Compliant | ® ## Flation of C | Affection (S) |

| 5.1 | TABLE: touch current measuremen | t | | N. |
|------------|--|--------------|-------------|---------------------|
| Measured b | petween: | Measured(Ma) | Limit(Ma) | Comments/conditions |
| | | - Thomas | a Francisco | |
| Note(s): | (S. A. Honor Comments (S. A. Honor Code) | Allegation | | 10 10 |

| 5.2 T. | ABLE: electric strength | tests and impulse tests | TK The same | That Compliance | ®N E Francis |
|-------------------------------|--|-------------------------|----------------------------|-----------------|--|
| Test voltage applied between: | | | Test voltage (V) Breakdown | | kdown |
| · 下海 | (8) We will be a second of the | ® Standard Globa | | | - |
| Note(s): | CC 1000 | 10 | | | 10000000000000000000000000000000000000 |

| 5.3 | TABLE: fault condition tests | F Kodal Commission | (B) Musikilon of | a.C. Allester | Р |
|----------------|------------------------------|--------------------|------------------|---------------|---------|
| The Compliance | ambient temperature (°C) | | : 24.2-25.0 | G | <u></u> |



| Component no. Fault | | Test voltage (V) | Test time | Fuse no. | Result | | |
|---------------------|------------------|------------------|-----------------|----------------|----------------------|---|--|
| Charging by | type | | Tollage (1) | Attestation of | 30 | 100 100 | |
| U1 Pin 1- | | Pin 1-7, S-C | 5 | 10min | | Normal operationg, charging current increase, no damage, no hazards. | |
| U1 | in in the second | Pin 7-9, S-C | 5 7 | 10min | Food Good Compliance | Unit shut down, recoverable, no damage, no hazards. | |
| C1 | © 18 | S-C | 5 | 10min | 6 | Unit shut down, recoverable, no damage, no hazards. | |
| Discharging | by US | SB | | | | | |
| U1 | 7 | Pin 7-9, S-C | 3.7 | 10min | © # Final C | Unit shut down, recoverable, no damage, no hazards. | |
| Battery | station of GIVO | B- to B+, S-C | 3.7 | 30min | G | After SC, unit shutdown immediately battery no fire, no explosion and no leakage, no hazards. | |
| USB outpo | ut | O-L | 3.7 | 2H15mi n | omplance © | Max overload at 2.5A, over 2.5A unit shut down, recoverable, no damage no hazards. | |
| Discharging | by wi | reless | Station of Glob | Attestation of | 100 | 100 | |
| Q5 | restation of G | Pin 3-6, S-C | 3.7 | 10min | :iii | Unit shut down, recoverable, no damage, no hazards. | |
| Coil | lin. | S-C | 3.7 | 10min | For Compliant | Unit shut down, recoverable, no damage, no hazards. | |
| Output | lance 8 | O-L | 3.7 | 2H53mi n | | Max over load at 5.4W, over 5.4W un shut down, recoverable, no damage, no hazards. | |
| U1 | | Pin 7-8, S-C | 3.7 | 10min | iance | Unit shut down, recoverable, no damage, no hazards. | |



AttachmentA Photos of product



Fig.1-over view



Fig.2 -over view

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Fig.3-over view

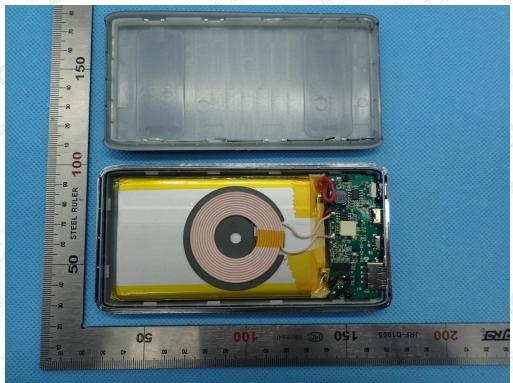


Fig.4-internal view





Fig.5 - internal view

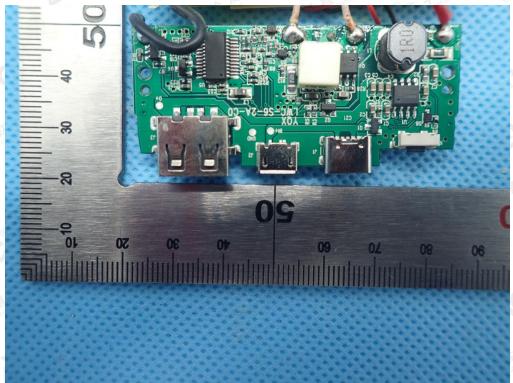


Fig.6- part view



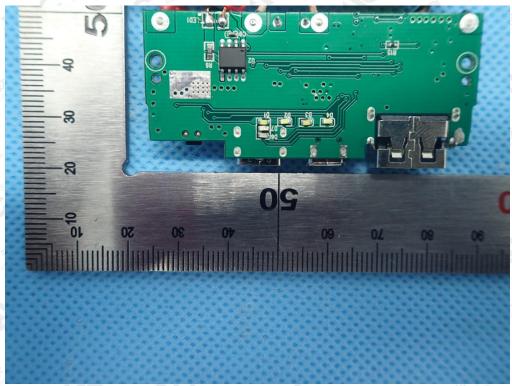


Fig.7- part view



Fig.8- part view

----END OF REPORT----

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