

Address

Report No.: 18220WC40018102S

Test Report

Applicant : Shenzhen Qianyan Technology LTD

No. 3301, Block C, Section 1, Chuangzhi Yuncheng

: Building, Liuxian Avenue, Xili Community, Xili

Street, Nanshan District, Shenzhen

Product Name : Govee Smart TV Backlight 3S

Report Date : Mar. 01, 2024







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Report No. 18220WC400181025

TEST REPORT IEC 62368-1

Audio/video, information and communication technology equipment Part 1: Safety requirements

Report Number.....: 18220WC40018102S

Date of issue: Mar. 01, 2024

Total number of pages: 77 pages

Applicant's name: Shenzhen Qianyan Technology LTD

Address: No. 3301, Block C, Section 1, Chuangzhi Yuncheng Building,

Liuxian Avenue, Xili Community, Xili Street, Nanshan District,

Shenzhen

Test specification:

Standard: IEC 62368-1: 2018

EN IEC 62368-1:2020+A11:2020

Test procedure.....: Type Test

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

General disclaimer:

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

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| resumg pro | ocedure and testing location. | |
|--------------|-------------------------------|--|
| | Testing Laboratory: | Shenzhen Anbotek Compliance Laboratory Limited |
| Testing loca | tion/ address: | 1/F, Building D, Sogood Science and Technology |
| anboter | | Park, Sanwei community, Hangcheng Street, Bao'an |

District, Shenzhen, Guangdong, China.

Tested by (name + signature): Komyla Zeng

Komyla Zeng Tim Sm

Approved by (name + signature)...: Tim Sun





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| Test item description: | Govee Smart TV Backlight 3S |
|------------------------|---|
| Trade Mark: | Govee |
| Manufacturer: | Same as applicant |
| Model/Type reference: | H6098A, H6098D |
| Ratings | Whole Input: 12VDC, 2A, 24W or 12VDC,3A,36W |
| ek Anbotet Anb | Camera input:12VDC,0.4A |
| | |

Tests performed (name of test and test clause):

The submitted samples were found to comply with the requirements of:

Electrical safety

- -- IEC 62368-1:2018
- -- EN IEC 62368-1:2020+A11:2020

Testing location:

Shenzhen Anbotek Compliance Laboratory Limited

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

List of countries addressed: EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

The product fulfils the requirements of EN IEC 62368-1:2020+A11:2020

Use of uncertainty of measurement for decisions on conformity (decision rule):

| ⊠No decision rule is specified b | by the IEC standard | d, when comparing | g the measure | ment result | with the |
|-----------------------------------|-----------------------|-------------------|----------------|---------------|----------|
| applicable limit according to the | specification in tha | t standard. The d | ecisions on co | onformity are | e made |
| without applying the measureme | ent uncertainty ("sir | mple acceptance" | decision rule, | previously k | nown as |
| "accuracy method"). | | | | | |

Other: (to be specified, for example when required by the standard or client, or if national accreditation requirements apply)

Information on uncertainty of measurement:

The uncertainties of measurement are calculated by the laboratory based on application of criteria given by OD-5014 for test equipment and application of test methods, decision sheets and operational procedures of IECEE.

IEC Guide 115 provides guidance on the application of measurement uncertainty principles and applying the decision rule when reporting test results within IECEE scheme, noting that the reporting of the measurement uncertainty for measurements is not necessary unless required by the test standard or customer.

Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.









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Copy of marking plate:

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.

Govee Smart TV Backlight 3S

Govee

Model: H6098A

Whole Input: 12VDC, 2A, 24W Camera input:12VDC,0.4A



Manufacturer: Shenzhen Qianyan Technology LTD

Address: No. 3301, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian Avenue, Xili Community, Xili Street, Nanshan

District, Shenzhen

Made in China

Govee Smart TV Backlight 3S

Govee

Model: H6098A

Whole Input: 12VDC, 3A, 36W Camera input:12VDC,0.4A



Manufacturer: Shenzhen Qianyan Technology LTD

Address: No. 3301, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian Avenue, Xili Community, Xili Street, Nanshan

District, Shenzhen

Made in China

The height dimension of CE mark should not be less than 5mm, the height dimension of WEEE symbol should not be less than 7mm.





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| Test item particulars: | Anbotes Anti- |
|---|--|
| Product group | |
| Classification of use by: | ☑ Ordinary person☑ Children likely present☑ Instructed person☑ Skilled person |
| Supply connection: Supply tolerance | ☐ AC mains ☐ DC mains ☐ not mains connected: ☐ ES1 ☐ ES2 ☐ ES3 ☐ +10%/-10% |
| anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek | +20%/-15% +2 <u>5</u> %/- <u>15</u> % None |
| Supply connection – type: | ☐ pluggable equipment type A - ☐ non-detachable supply cord ☐ appliance coupler ☐ direct plug-in ☐ pluggable equipment type B - ☐ non-detachable supply cord ☐ appliance coupler |
| Considered current rating of protective | □ permanent connection □ mating connector ☑ other: Not directly connected to mains N/A (Not directly connected to mains) |
| device: Equipment mobility: Overvoltage category (OVC): | Installation location: building; equipment movable hand-held transportable stationary for building-in direct plug-in rack-mounting wall-mounted OVC I OVC II OVC III |
| Class of equipment: Special installation location: Pollution degree (PD): | OVC IV |
| Manufacturer's specified T _{ma} : | 40°C ☐ Outdoor: minimum °C |
| IP protection class: Power systems: | □ IPX0 □ IP65 □ TN □ TT □ IT - V L-L □ not AC mains |
| Altitude during operation (m) | ☐ 2000 m or less |







| Possible test case verdicts: | Possil | ble test | case | verd | icts: |
|------------------------------|--------|----------|------|------|-------|
|------------------------------|--------|----------|------|------|-------|

- test case does not apply to the test object: N/A

- test object does meet the requirement....... P (Pass)

- test object does not meet the requirement....: F (Fail)

Testing:

Anbotek
Product Safety

Date of receipt of test item 2023-10-23

General remarks:

"(See Enclosure #)" refers to additional information appended to the report.

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

Throughout this report a ⊠ comma / ☐ point is used as the decimal separator.

According to the EU directives which have been aligned with EU NLF (new legislative framework), both of manufacturer and importer's name and address shall be affixed on the product or, where that is not possible, on its packaging or in a document accompanying the product before the product is placed on the EU market.

General product information and other remarks:

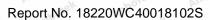
- 1. The apparatus covered in this report was Govee Smart TV Backlight 3S, Class III apparatus.
- 2. The Maximum operating temperature is 40°C.
- 3. The strip light need to work with the controller.
- 4. The product is fixed in place by adhesive
- 5. The Clause 10(RADIATION) was not valued in this report accord to requirement of manufacturer
- 6. As specified by the client, all the results in this report were quoted from report 18220WC30224802S
- 7. Add the model and Input parameter. The difference between H6098A and H6098D one described as following:

| Model No. | Length of light string | Camera | Input parameter |
|-----------|------------------------|--------|-----------------|
| H6098A | 3.6m | 96mm | 12VDC,2A |
| поизон | Sm. botek | 135mm | 12VDC,3A |
| H6098D | 5m mbo | 135mm | 12VDC,3A |

8.After evaluated, Supplementary discrepancy test as below were conducted and complied for this report -5.4.1.4, 9.3, B.1.5, B.2.6 Temperature measurements.

-B.2.5 Input test.







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| Clause | Possible Hazard | | | | |
|---|--|---|---|---|--|
| | | | | | |
| 5 | Electrically-caused injury | | | | |
| Class and Energy Source (e.g. ES3: Primary circuit) | Body Part (e.g. Ordinary) | В | Safeguards S | R | |
| ES1: All Internal circuits ES1: DC input | Ordinary person, Instructed person, Skilled person | N/A | N/A | N/A | |
| 6 | Electrically-caused fire | | | | |
| Class and Energy Source | Material part | | Safeguards | | |
| (e.g. PS2: 100 Watt circuit) | (e.g. Printed board) | В | 1 st S | 2 nd S | |
| PS2: All Internal circuits | Internal combustible material/ internal plastic enclosure | For "N" and "A" conditions: 1, No ignition occurred. | For "S" condition: 1, PCB is complied with V-0 material. | Enclosure is complied with HB material. | |
| Anbotek | Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek | 2, No parts exceeding 90% of its spontaneous ignition temperature. | 2, All other components: at least V-2 except for mounted on min. V-1 material or small parts of combustible material. | Anbotek Anbotek Anbotek Anbotek Anbotek | |
| 7 | Injury caused by hazardous | substances | | | |
| Class and Energy Source | Body Part | | Safeguards | | |
| (e.g. Ozone) | (e.g., Skilled) | В | S | R | |
| N/A | N/A | N/A | N/A | N/A | |
| 8 | Mechanically-caused injury | | | | |
| Class and Energy Source | Body Part | Safeguards | | | |
| (e.g. MS3: Plastic fan blades) | (e.g. Ordinary) | В | S | R | |
| MS1: Rounded edges and corners of accessible parts | Ordinary person, Instructed person, Skilled person | N/A | N/A | N/A | |
| MS1: Product mass | Ordinary person, Instructed person, Skilled person | N/A | N/A | N/A | |
| 9 | Thermal burn | | | | |
| Class and Energy Source | Body Part | | Safeguards | | |





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| (e.g. TS1: Keyboard caps) | (e.g., Ordinary) | В | S | R |
|--|--|-----------------|-----------------|-----------------|
| TS1: Accessible parts | Ordinary person, Instructed person, Skilled person | N/A | N/A | N/A |
| 10 | Radiation | | | |
| Class and Energy Source | Body Part | | Safeguards | |
| (e.g. RS1: PMP sound output) | (e.g., Ordinary) | В | S | R |
| N/A Andrew Mark | N/A | N/A | N/A | N/A |
| Supplementary Information: | polek Aupo, ok ho | rek Anbores | Ann | anbotek |
| "B" – Basic Safeguard; "S" – Su | ipplementary Safeguard; "R" – | Reinforced Saf | eguard | |
| hotek Anbox | Ar anbore Ar | 'A' | Potek Pupo | |
| | ENERGY SOURCE DIA | AGRAM | | |
| Optional . Manufacturers are to identifying the demarcations are power supply and multipart systematical sys | between power sources. Reco | | | |
| Insert diagram below. Example of drawings | diagram designs are; Block dia | grams; image(s) | with layered da | ita; mechanical |
| Kek Spore | in K Kotek An | Do. h | tek abot | VIII |

 \boxtimes MS

 $oxed{\boxtimes}$ TS

☐ RS



 \boxtimes ES

 \boxtimes PS



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| Hek . | Inbotek Anbote | photek | IEC 62368-1 | Andreasek | anbotek | Aupon | rok bu |
|--------|--------------------|-----------|-------------|------------|---------|-------|---------|
| Clause | Requirement + Test | Air hotel | k Anboren | Result - I | Remark | Anb | Verdict |

| 4 | GENERAL REQUIREMENTS | | | | |
|---------------|---|--|---------------------|--|--|
| 4.1.1 | Acceptance of materials, components and subassemblies | otek Anbotek Anbotek | P/∞ | | |
| 4.1.2 | Use of components | (See appended table 4.1.2) | P P | | |
| 4.1.3 | Equipment design and construction | rupo, stek vupotek Vupo | Р | | |
| 4.1.4 | Specified ambient temperature for outdoor use (°C) | Anbotek Anbotek A | N/A | | |
| 4.1.5 | Constructions and components not specifically covered | Anbotek Anbotek | N/A | | |
| 4.1.8 | Liquids and liquid filled components (LFC) | (See G.15) | N/A | | |
| 4.1.15 | Markings and instructions | (See Annex F) | e ^k P | | |
| 4.4.3 | Safeguard robustness | ES1 only, no safeguard required | oote ^k P | | |
| 4.4.3.1 | General | And otek anbotek | _{Vup} β | | |
| 4.4.3.2 | Steady force tests | (See Annex T.5) | NPO | | |
| 4.4.3.3 | Drop tests | (See Annex T.7) | Park | | |
| 4.4.3.4 | Impact tests | (See Annex T.6) | [™] N/A | | |
| 4.4.3.5 | Internal accessible safeguard tests | No such enclosure and barrier | N/A | | |
| 4.4.3.6 | Glass impact tests | No glass used | N/A | | |
| 4.4.3.7 | Glass fixation tests | botek Anbote | N/A | | |
| Work Hotek | Glass impact test (1J) | ok hotek Anboten | N/A | | |
| Vien Politica | Push/pull test (10 N) | k kotek Anbotek | N/A | | |
| 4.4.3.8 | Thermoplastic material tests | (See Annex T.8) | P | | |
| 4.4.3.9 | Air comprising a safeguard | Considered, but no such barrier or enclosure provided | N/A | | |
| 4.4.3.10 | Accessibility, glass, safeguard effectiveness | Andrek Anborek | P.el | | |
| 4.4.4 | Displacement of a safeguard by an insulating liquid | And work Anborek | N/A | | |
| 4.4.5 | Safety interlocks | And otek anbotek | N/A | | |
| 4.5 Anb | Explosion | boter Anbotel | P | | |
| 4.5.1 | General | Anbotek Anbo tek ab | ote ^k P | | |
| 4.5.2 | No explosion during normal/abnormal operating condition | (See Clause B.2, B.3) | nboteP | | |
| And | No harm by explosion during single fault conditions | (See Clause B.4) | VU/DB | | |
| 4.6 | Fixing of conductors | Anbo tek nbotek | N/A | | |
| ek Anbo | Fix conductors not to defeat a safeguard | Only ES1 for internal circuits, no safeguard affected by conductor displacement. | N/A | | |









| Report No. | | 18220WC4001 | 8102S | |
|------------|--|-------------|-------|--|
| D111 | | 194 | - 4b, | |
| | | 1.0 | 13.7 | |

| No.k | Anbotek Anbote | p.n. botek | IEC 62368-1 | Anioo | anbotek | Aupore | rek bu |
|--------|-------------------|------------|-------------|------------|---------|--------|---------|
| Clause | Requirement + Tes | ok hotel | k Anborer | Result - F | Remark | Aup, | Verdict |

| Anb | Compliance is checked by test: | And otek Anbotek | N/A |
|------------|--|------------------------------------|-------|
| 4.7 | Equipment for direct insertion into mains socket- | -outlets | N/A |
| 4.7.2 | Mains plug part complies with relevant standard: | Not direct plug-in equipment. | N/A |
| 4.7.3 | Torque (Nm) | upotek Aupon Ak Mo | N/A |
| 4.8 | Equipment containing coin/button cell batteries | abotek Anbore Am | N/A |
| 4.8.1 | General | No coin/button cell batteries used | N/A |
| 4.8.2 | Instructional safeguard: | Anbo, ok hotek | N/A |
| 4.8.3 | Battery compartment door/cover construction | stek Aupore Aug | N/A |
| ik Aup | Open torque test | abotek Anbore And | ≫ N/A |
| 4.8.4.2 | Stress relief test | botek Anbote And | N/A |
| 4.8.4.3 | Battery replacement test | An Anboten An | N/A |
| 4.8.4.4 | Drop test | Antorek Anborek | N/A |
| 4.8.4.5 | Impact test | Ann otek Anbotek | N/A |
| 4.8.4.6 | Crush test | ier And tek anbotek | N/A |
| 4.8.5 | Compliance | lootely Aupon | N/A |
| otek bi | 30N force test with test probe | Anborek Anbo ek al | N/A |
| nbotek | 20N force test with test hook | Anbotek Anbot An | N/A |
| 4.9 | Likelihood of fire or shock due to entry of conduc | ctive object | N/A |
| 4.10 Morek | Component requirements | ek abotek Anbore | N/A |
| 4.10.1 | Disconnect Device | ek hotek Anbotes | N/A |
| 4.10.2 | Switches and relays | por Am otek vupote | N/A |

| 5 | ELECTRICALLY-CAUSED INJURY | | | | |
|---------|--|--|-----|--|--|
| 5.2 | Classification and limits of electrical energy sources | | | | |
| 5.2.2 | ES1, ES2 and ES3 limits ES1 | | | | |
| 5.2.2.2 | Steady-state voltage and current limits: | (See appended table 5.2) | P | | |
| 5.2.2.3 | Capacitance limits: | No capacitance limits introduced | N/A | | |
| 5.2.2.4 | Single pulse limits | No single pulse introduced | N/A | | |
| 5.2.2.5 | Limits for repetitive pulses | No repetitive pulses introduced | N/A | | |
| 5.2.2.6 | Ringing signals | No means for connection to telephone network and no ringing signal generated | N/A | | |
| 5.2.2.7 | Audio signals | tek shotek Anbores | N/A | | |







| Mek | inbotek Anbotes | protek | IEC 62368-1 | Auporotek | anbotek | Anbore | rok Bus |
|--------|--------------------|--------|-------------|------------|---------|--------|------------|
| Clause | Requirement + Test | bi. | Anboten | Result - F | Remark | Aup, | Verdict |

| 5.3 | Protection against electrical energy sources | | Auβ. |
|------------|---|--|--------------------|
| 5.3.1 | General Requirements for accessible parts to ordinary, instructed and skilled persons | otek Anbotek Anbotek | P _{po} , |
| 5.3.1 a) | Accessible ES1/ES2 derived from ES2/ES3 circuits | No such circuit | P P |
| 5.3.1 b) | Skilled persons not unintentional contact ES3 bare conductors | No such circuit | N/A |
| 5.3.2.1 | Accessibility to electrical energy sources and safeguards | Anbotek Anbotek | N/A |
| Ans | Accessibility to outdoor equipment bare parts | k hotek Anbotek | N/A |
| 5.3.2.2 | Contact requirements | ore. And otek Anbotek | N/A |
| Anbo | Test with test probe from Annex V | N/A | _ |
| 5.3.2.2 a) | Air gap – electric strength test potential (V): | Aupotek Aupo | N/A |
| 5.3.2.2 b) | Air gap – distance (mm): | Anbotek Anbor An | N/A |
| 5.3.2.3 | Compliance | wholek Aupon | N/A |
| 5.3.2.4 | Terminals for connecting stripped wire | ek abotek Anbote | N/A |
| 5.4 | Insulation materials and requirements | ek abotek Anbore | PART |
| 5.4.1.2 | Properties of insulating material | both Anboth Anboth | Р |
| 5.4.1.3 | Material is non-hygroscopic | Anbore. K hotek An | o ^{tek} P |
| 5.4.1.4 | Maximum operating temperature for insulating materials | (See appended table 5.4.1.4) | Anbo'P |
| 5.4.1.5 | Pollution degrees | ok botek Anbotes | N/A |
| 5.4.1.5.2 | Test for pollution degree 1 environment and for an insulating compound | botek Anbotek Anbotek | N/A |
| 5.4.1.5.3 | Thermal cycling test | abotek Anbote Ans | N/A |
| 5.4.1.6 | Insulation in transformers with varying dimensions | No such transformer within the EUT | N/A |
| 5.4.1.7 | Insulation in circuits generating starting pulses | No circuits generating starting pulses | N/A |
| 5.4.1.8 | Determination of working voltage: | 3k Aupon Au | N/A |
| 5.4.1.9 | Insulating surfaces | otek Anbote Ant | N/A |
| 5.4.1.10 | Thermoplastic parts on which conductive metallic parts are directly mounted | Anbotek Anbotek Anb | N/A |
| 5.4.1.10.2 | Vicat test | Anbore An work | N/A |
| 5.4.1.10.3 | Ball pressure test | Anbote, And Arek | N/A |
| 5.4.2 | Clearances | Class III equipment. | N/A |
| 5.4.2.1 | General requirements | otek Anbotek Anbor | N/A |
| ek Anbo | Clearances in circuits connected to AC Mains, Alternative method | (See Annex X) | N/A |



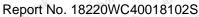


| No.k | Anbotek Anbote | p.n. botek | IEC 62368-1 | Anioo | anbotek | Aupore | rek bu |
|--------|-------------------|------------|-------------|------------|---------|--------|---------|
| Clause | Requirement + Tes | ok hotel | k Anborer | Result - F | Remark | Aup, | Verdict |

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| 5.4.2.2 | Procedure 1 for determining clearance | And stek anbotek | N/A |
|-------------|--|-----------------------|------------------|
| Anbo | Temporary overvoltage | N/A | |
| 5.4.2.3 | Procedure 2 for determining clearance | otek Anbar tek shotek | N/A |
| 5.4.2.3.2.2 | a.c. mains transient voltage | N/A | |
| 5.4.2.3.2.3 | d.c. mains transient voltage | N/A | _ |
| 5.4.2.3.2.4 | External circuit transient voltage | N/A | _ |
| 5.4.2.3.2.5 | Transient voltage determined by measurement: | N/A Model Market | _ |
| 5.4.2.4 | Determining the adequacy of a clearance using an electric strength test: | stek Anbotek Anbottek | N/A |
| 5.4.2.5 | Multiplication factors for clearances and test voltages | Upotek Aupotek Aupo | N/A |
| 5.4.2.6 | Clearance measurement | Anto tek anbotek An | N/A |
| 5.4.3 | Creepage distances | Class III equipment. | N/A |
| 5.4.3.1 | General | Aupo tek upotek | N/A |
| 5.4.3.3 | Material group: | N/A | _ |
| 5.4.3.4 | Creepage distances measurement | botek Anbor Anbor | [™] N/A |
| 5.4.4 | Solid insulation | nbotek Anbote An | N/A |
| 5.4.4.1 | General requirements | abotek Anbore An | N/A |
| 5.4.4.2 | Minimum distance through insulation | Anbote. | N/A |
| 5.4.4.3 | Insulating compound forming solid insulation | ok hotek Anboten | N/A |
| 5.4.4.4 | Solid insulation in semiconductor devices | k kotek Anbotek | N/A |
| 5.4.4.5 | Insulating compound forming cemented joints | pote, Ann otek Aupote | N/A |
| 5.4.4.6 | Thin sheet material | Anboten Anbo | N/A |
| 5.4.4.6.1 | General requirements | Anbotek Anbo tek | N/A |
| 5.4.4.6.2 | Separable thin sheet material | Anbotek Anbo. | N/A |
| nbotek | Number of layers (pcs): | ek vupotek Vupo, | N/A |
| 5.4.4.6.3 | Non-separable thin sheet material | tek abotek Anbote | N/A |
| ok v | Number of layers (pcs): | tek abotek Anbote | N/A |
| 5.4.4.6.4 | Standard test procedure for non-separable thin sheet material | Anbotek Anbotek Anb | N/A |
| 5.4.4.6.5 | Mandrel test | nbotek Anbote A | N/A |
| 5.4.4.7 | Solid insulation in wound components | k abotek Anbote | N/A |
| 5.4.4.9 | Solid insulation at frequencies >30 kHz, E _P , K _R , d, V _{PW} (V) | otek Anbotek Anbotek | N/A |
| | The state of the s | 1401 AV | |







| Mek | inbotek Anbotes | protek | IEC 62368-1 | Auporotek | anbotek | Anbore | rok Bus |
|--------|--------------------|--------|-------------|------------|---------|--------|------------|
| Clause | Requirement + Test | bi. | Anboten | Result - F | Remark | Aup, | Verdict |

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| -otek | Anbo An Loke Above And | -otek anbo | You |
|------------|---|-----------------------|-------|
| Anbotek | Alternative by electric strength test, tested voltage (V), K _R | k Anbotek Anbotek | N/A |
| 5.4.5 | Antenna terminal insulation | No such terminal | N/A |
| 5.4.5.1 | General | otek Anbotek Anbo | N/A |
| 5.4.5.2 | Voltage surge test | rup, stek upotek Vupo | N/A |
| 5.4.5.3 | Insulation resistance (MΩ): | Anbo tek abotek Ar | N/A |
| Aupor | Electric strength test | Aupo, by apolek | N/A |
| 5.4.6 | Insulation of internal wire as part of supplementary safeguard | tek Anbotek Anbotek | N/A |
| 5.4.7 | Tests for semiconductor components and for cemented joints | hbotek Anbotek Anbot | N/A |
| 5.4.8 | Humidity conditioning | Aupotek Aupo | N/A |
| Anbotek | Relative humidity (%), temperature (°C), duration (h) | N/A | |
| 5.4.9 | Electric strength test | And otek Anbotek | N/A |
| 5.4.9.1 | Test procedure for type test of solid insulation: | tek Anbotek | N/A |
| 5.4.9.2 | Test procedure for routine test | botek Anbo tek abot | N/A N |
| 5.4.10 | Safeguards against transient voltages from external circuits | Anbotek Anbotek An | N/A |
| 5.4.10.1 | Parts and circuits separated from external circuits | Anbo sek abotek | N/A |
| 5.4.10.2 | Test methods | Anbo sek abotek | N/A |
| 5.4.10.2.1 | General | ek Aupon An apotek | N/A |
| 5.4.10.2.2 | Impulse test | potek Anbors An | N/A |
| 5.4.10.2.3 | Steady-state test | abotek Anbote Ans | N/A |
| 5.4.10.3 | Verification for insulation breakdown for impulse test: | Anbotek Anbotek Ant | N/A |
| 5.4.11 | Separation between external circuits and earth | Anbors Ar. botek | N/A |
| 5.4.11.1 | Exceptions to separation between external circuits and earth | ek Anboro Amborek | N/A |
| 5.4.11.2 | Requirements | ook hotek Anbote | N/A |
| abotek p | SPDs bridge separation between external circuit and earth | Anbotek Anbotek Anb | N/A |
| abotek | Rated operating voltage U _{op} (V): | N/A Anborek | _ |
| spotek | Nominal voltage U _{peak} (V) | N/A | _ |
| A. botek | Max increase due to variation ΔU_{sp} : | N/A Model Ambore | _ |
| Prince | Max increase due to ageing ΔUsa: | N/A | _ |







| Net 0 | inbotek A | upo, | An abotek | IEC 62368-1 | Anv | Anbotek | Pupo. | rak Pr |
|--------|-----------|------------|-----------|-------------|----------|---------|-------|---------|
| Clause | Requireme | ent + Test | k Air | Anboten | Result - | Remark | Anbo | Verdict |

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| Test method and compliance: | And tek nbotek | N/A |
|---|--|--|
| Insulating liquid | No Insulating liquid | N/A |
| General requirements | otek Anbors An botek | N/A |
| Electric strength of an insulating liquid: | upotek Aupote Au | o ^N N/A |
| Compatibility of an insulating liquid: | obotek Anbote And | N/A |
| Container for insulating liquid: | abotek Anboren A | N/A |
| Components as safeguards | k hotek Anbotes | N/A |
| General | ak hotek Anboten | N/A |
| Capacitors and RC units | ore Annotek Anbotek | N/A |
| General requirement | hore. And | N/A |
| Safeguards against capacitor discharge after disconnection of a connector | Anborek Anborek Ar | N/A |
| Transformers | No such component. | N/A |
| Optocouplers | No such component. | N/A |
| Relays | No such component. | N/A |
| Resistors | boten Ando tek abot | N/A |
| SPDs | anborek Anbo. Lek Al | N/A |
| Insulation between the mains and an external circuit consisting of a coaxial cable: | Aupotek Vupo, | N/A |
| Safeguards for socket-outlets in outdoor equipment | Not such equipment. | N/A |
| RCD rated residual operating current (mA): | N/A | _ |
| Protective conductor | potek Anbo. Al bote | N/A |
| Requirement for protective conductors | Anborek Anbor An | _o √N/A |
| General requirements | anbotek Anbote An | N/A |
| Colour of insulation | Anborek Anbore | N/A |
| Requirement for protective earthing conductors | k hotek Anbotek | N/A |
| Protective earthing conductor size (mm²): | N/A | _ |
| Protective earthing conductor serving as a reinforced safeguard | potek Anbotek Anbote | N/A |
| Protective earthing conductor serving as a double safeguard | Anbotek Anbotek And | N/A |
| Requirements for protective bonding conductors | Anbor Ar hotek | N/A |
| | VIII VIII | 50 |
| Protective bonding conductors | ok Anbo k wotek | N/A |
| Protective bonding conductors Protective bonding conductor size (mm²): | N/A | N/A — |
| | Insulating liquid General requirements Electric strength of an insulating liquid | Insulating liquid General requirements Electric strength of an insulating liquid |





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| Mek VI | potek Anbotes | And | IEC 62368-1 | Anbo. otek | Anborek. | Aupore | ok bus |
|--------|--------------------|-----------|-------------|------------|----------|---------------|---------|
| Clause | Requirement + Test | by, potek | Anboren | Result - I | Remark | Anbo | Verdict |

| the total | Andor Andrew | Anborek Anbor A | N/A |
|-----------|---|----------------------------|-----|
| 5.6.5 | Terminals for protective conductors | or abotek Anbot | N/A |
| 5.6.5.1 | Terminal size for connecting protective earthing conductors (mm) | otek Anbotek Anbotes | N/A |
| | Terminal size for connecting protective bonding conductors (mm) | Inbotek Anbotek Anbo | N/A |
| 5.6.5.2 | Corrosion | Anbote. And atek | N/A |
| 5.6.6 | Resistance of the protective bonding system | Anboten Anto | N/A |
| 5.6.6.1 | Requirements | k Anbotek Anbo | N/A |
| 5.6.6.2 | Test Method: | tek upotek Aupote | N/A |
| 5.6.6.3 | Resistance (Ω) or voltage drop: | tek abotek Anbote | N/A |
| 5.6.7 | Reliable connection of a protective earthing conductor | Anbotek Anbotek Anbo | N/A |
| 5.6.8 | Functional earthing | upotek Aupor A | N/A |
| abotek | Conductor size (mm²): | Anborek Anborek | N/A |
| p | Class II with functional earthing marking: | ek abotek Anbotes | N/A |
| k 70 | Appliance inlet cl & cr (mm): | ok botek Anbores | N/A |
| 5.7 | Prospective touch voltage, touch current and pro | otective conductor current | N/A |
| 5.7.2 | Measuring devices and networks | Anbore And Motek And | N/A |
| 5.7.2.1 | Measurement of touch current | Anbore Ans | N/A |
| 5.7.2.2 | Measurement of voltage | Anbore And stek | N/A |
| 5.7.3 | Equipment set-up, supply connections and earth connections | ek Anborek Anborek | N/A |
| 5.7.4 | Unearthed accessible parts: | (See appended table 5.7.4) | N/A |
| 5.7.5 | Earthed accessible conductive parts: | (See appended table 5.7.5) | N/A |
| 5.7.6 | Requirements when touch current exceeds ES2 limits | Anbotek Anbotek | N/A |
| Ano | Protective conductor current (mA): | Anti-otek Anbotek | N/A |
| Aug | Instructional Safeguard: | And stek unbotek | N/A |
| 5.7.7 | Prospective touch voltage and touch current associated with external circuits | hotek Anbotek Anbote | N/A |
| 5.7.7.1 | Touch current from coaxial cables | And Anbotek Anb | N/A |
| 5.7.7.2 | Prospective touch voltage and touch current associated with paired conductor cables | Anbotek Anbotek | N/A |
| 5.7.8 | Summation of touch currents from external circuits | ek Anboien Ano | N/A |
| Anbot | a) Equipment connected to earthed external circuits, current (mA): | otek Anbotek Anbotek | N/A |





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| Anbotek | b) Equipment connected to unearthed external circuits, current (mA): | Anbotek | Anbotek | N/A |
|-----------|--|------------|-------------|-----|
| 5.8 ambol | Backfeed safeguard in battery backed up supplies | iek Aupote | Aupo | N/A |
| iek no | Mains terminal ES | otek anbo | Pupe, | N/A |
| stek | Air gap (mm) | otek v | nbotek Anbo | N/A |

| 6 | ELECTRICALLY- CAUSED FIRE | | | |
|---------|---|--|--------------------|--|
| 6.2 | Classification of PS and PIS | k Aupo, by hotek | Roote Page | |
| 6.2.2 | Power source circuit classifications | (See appended table 6.2.2) | Panto | |
| 6.2.3 | Classification of potential ignition sources | sbotek Anbores Anb | e⊬ P | |
| 6.2.3.1 | Arcing PIS | hotek Anbotes Anb | N/A | |
| 6.2.3.2 | Resistive PIS | (See appended table 6.2.3.2) | P | |
| 6.3 | Safeguards against fire under normal operating and abnormal operating conditions | | | |
| 6.3.1 | No ignition and attainable temperature value less than 90 % defined by ISO 871 or less than 300 °C for unknown materials: | (See appended table B.1.5 and B.3) | P _{Anb} | |
| Otek Pu | Combustible materials outside fire enclosure: | Anbotek Anbot Att | N/A | |
| 6.4 | Safeguards against fire under single fault conditions | | | |
| 6.4.1 | Safeguard method | Method of Reduction of the likelihood of ignition under single fault conditions and control fire spread used | Anborek Anborek | |
| 6.4.2 | Reduction of the likelihood of ignition under single fault conditions in PS1 circuits | botek Anbotek Anbote | N/A | |
| 6.4.3 | Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits | Anbotek Anbotek Ant | ,mboter | |
| 6.4.3.1 | Supplementary safeguards | Anbores Ans | An Brek | |
| 6.4.3.2 | Single Fault Conditions: | (See appended table B.4) | Pool | |
| Anbote | Special conditions for temperature limited by fuse | otek Anboten Anb | N/A | |
| 6.4.4 | Control of fire spread in PS1 circuits | hotek Anbotek Anbo | N/A | |
| 6.4.5 | Control of fire spread in PS2 circuits | And tek abotek Anb | Р | |





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| Mek VI | potek Anbotes | And | IEC 62368-1 | Anbo. otek | Anborek. | Aupore | ok bus |
|--------|--------------------|-----------|-------------|------------|----------|---------------|---------|
| Clause | Requirement + Test | by, potek | Anboren | Result - I | Remark | Anbo | Verdict |

| 6.4.5.2 | Supplementary safeguards | Compliance detailed as | b'uρb. |
|-----------|--|---|--------|
| | Anbotek Anbote Anb | follows: | p.nb |
| | K hotek Anbotek Anbo | All printed board: rated V-0 | D. |
| | ter And Otek Anborek Anbor Ak | Plastic enclosure: rated HB | Yek. |
| | botek Anbo tek nbotek Anbote | All other components or parts: at least V-2 except for part | Yer |
| | Anbotek Anbot Ak botek Anbotes | mounted on V-0 material or | 100, |
| | nbotek Anbore An | small parts of combustible material (with mass less than | Aupore |
| | Anbotek Anbote Anb Anb Anbote | 4g) or components complying | Anbo |
| Anbore | An Anbotek Anbotek Anbo | to relevant IEC standard. | p.5 |
| 6.4.6 | Control of fire spread in PS3 circuits | stotek Anbote, Anb | N/A |
| 6.4.7 | Separation of combustible materials from a PIS | in otek Anbotek Anbo | N/A |
| 6.4.7.2 | Separation by distance | And stek anbotek Ar | N/A |
| 6.4.7.3 | Separation by a fire barrier | Anbo kek abotek | N/A |
| 6.4.8 | Fire enclosures and fire barriers | Anbo. A. botek | AIP O |
| 6.4.8.2 | Fire enclosure and fire barrier material properties | tek Anbors Arr hotek | Pan |
| 6.4.8.2.1 | Requirements for a fire barrier | No such barrier used | ≫ N/A |
| 6.4.8.2.2 | Requirements for a fire enclosure | Fire enclosure: HB | otek P |
| 6.4.8.3 | Constructional requirements for a fire enclosure and a fire barrier | Anbotek Anbotek An | N/A |
| 6.4.8.3.1 | Fire enclosure and fire barrier openings | Anbore Ans work | N/A |
| 6.4.8.3.2 | Fire barrier dimensions | ek Anbore. And | N/A |
| 6.4.8.3.3 | Top openings and properties | ootek Anboten Anbo | N/A |
| tek An | Openings dimensions (mm) | sofek Anbotek Anbo | N/A |
| 6.4.8.3.4 | Bottom openings and properties | Ant otek Antotek Ant | N/A |
| , ek | Openings dimensions (mm): | Anto tek abotek | N/A |
| Aupo. | Flammability tests for the bottom of a fire enclosure | (See Clause S.3) | N/A |
| Anboro | Instructional Safeguard: | 3k Aupon Windek | N/A |
| 6.4.8.3.5 | Side openings and properties | No such opening | N/A |
| iek bup | Openings dimensions (mm): | abotek Anboten Anti- | N/A |
| 6.4.8.3.6 | Integrity of a fire enclosure, condition met: a), b) or c): | Anbotek Anbotek Anb | N/A |
| 6.4.8.4 | Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating: | k Anbotek Anbotek | N/A |
| 6.4.9 | Flammability of insulating liquid: | rek abotek Anbot | N/A |
| 6.5 | Internal and external wiring | k sotek anbore | P |





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|--------|--------------------|-----|-------------|------------|--------|-----|---------|
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| 6.5.1 | General requirements | The internal wires are complied | Vulco. |
|------------------|--|--|-------------|
| Anbore Anbore | otek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek | with UL 758 standard, which test method and testing condition equal to IEC/EN 60695-11-21. | Anbot An |
| 6.5.2 | Requirements for interconnection to building wiring | See appended table 4.1.2 | boteP |
| 6.5.3 | Internal wiring size (mm²) for socket-outlets: | Aupor Ar Potek | N/A |
| 6.6 nbotte | Safeguards against fire due to the connection to | additional equipment | Roote |

| 7 | INJURY CAUSED BY HAZARDOUS SUBSTANCES | |
|---------|---|-------|
| 7.2 | Reduction of exposure to hazardous substances | N/A |
| 7.3 | Ozone exposure | N/A |
| 7.4 | Use of personal safeguards or personal protective equipment (PPE) | N/A |
| Vupp. | Personal safeguards and instructions: N/A | |
| 7.5 Anb | Use of instructional safeguards and instructions | N/A |
| PK DI | Instructional safeguard (ISO 7010) N/A | — You |
| 7.6 | Batteries and their protection circuits | N/A |

| 8 | MECHANICALLY-CAUSED INJURY | | Prek |
|-----------|---|---|----------|
| 8.2 | Mechanical energy source classifications | ok botek Anbote | And P |
| 8.3 | Safeguards against mechanical energy sources | or Anboten | Pinho |
| 8.4 | Safeguards against parts with sharp edges and co | orners Anbore | P Ant |
| 8.4.1 | Safeguards | Sharp edges and corners is classified as MS1 | otek P |
| hotek | Instructional Safeguard | See the manual | Pek |
| 8.4.2 | Sharp edges or corners | Edges and corners of the enclosure are rounded. | Anbotel |
| 8.5 Ambor | Safeguards against moving parts | botek Anbore And | N/A |
| 8.5.1 | Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts | Anbotek Anbotek Anb | N/A |
| hotek | MS2 or MS3 part required to be accessible for the function of the equipment | Anbortek Anbortek A | N/A |
| abotek | Moving MS3 parts only accessible to skilled person | ek abotek Anbore | N/A |
| 8.5.2 | Instructional safeguard: | lek abotek Anbote | N/A |
| 8.5.4 | Special categories of equipment containing moving parts | nbotek Anbotek Anbotek | N/A |







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|-------------|--|-----------------------|------------------|
| Clause | Requirement + Test | Result - Remark | Verdict |
| ,bo | anbotek Anbote Anbotek Anbotek | Anboatek Anbotek A | nboro |
| 8.5.4.1 | General | Anto, tek apotek | N/A |
| 8.5.4.2 | Equipment containing work cells with MS3 parts | k Vupo, Vi Vpolek | N/A |
| 8.5.4.2.1 | Protection of persons in the work cell | otek Anbar tek shotek | N/A |
| 8.5.4.2.2 | Access protection override | inpotek Anbor Anbor | [™] N/A |
| 8.5.4.2.2.1 | Override system | unbotek Anbore Ans | N/A |
| 8.5.4.2.2.2 | Visual indicator | upotek Anbore A | N/A |
| 8.5.4.2.3 | Emergency stop system | r upotek Aupote | N/A |
| Anborek | Maximum stopping distance from the point of activation (m) | otek Anbotek Anbotek | N/A |
| otek Anbe | Space between end point and nearest fixed mechanical part (mm) | nbotek Anbotek Anbot | N/A |
| 8.5.4.2.4 | Endurance requirements | And otek Anbotek An | N/A |
| Anbotek | Mechanical system subjected to 100 000 cycles of operation | Anbotek Anbotek | N/A |
| Anborek | - Mechanical function check and visual inspection | tek Anboten Anbo | N/A |
| k Aupo | - Cable assembly | sotek Anbotek Anbo | N/A |
| 8.5.4.3 | Equipment having electromechanical device for destruction of media | Anbotek Anbotek Anbo | N/A |
| 8.5.4.3.1 | Equipment safeguards | Anbores And And | N/A |
| 8.5.4.3.2 | Instructional safeguards against moving parts: | Anboter Anbe | N/A |
| 8.5.4.3.3 | Disconnection from the supply | ek Anbotek Anbo | N/A |
| 8.5.4.3.4 | Cut type and test force (N) | otek Anbotek Anbo | N/A |
| 8.5.4.3.5 | Compliance | work Anbotek Anbo | N/A |
| 8.5.5 | High pressure lamps | And otek Anbotek Anb | N/A |
| up. otek | Explosion test | Ant stek anbotek | N/A |
| 8.5.5.3 | Glass particles dimensions (mm) | Aubr Tek Tupotek | N/A |
| 8.6 | Stability of equipment | tek Anbo. tek abotek | N/A |
| 8.6.1 | General | MS1 | N/A |
| lek Vup | Instructional safeguard: | Not required | N/A |
| 8.6.2 | Static stability | anbotek Anbote Anb | N/A |
| 8.6.2.2 | Static stability test | hotek Anbott | N/A |

Downward force test

Relocation stability

8.6.2.3

8.6.3



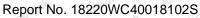
N/A



N/A

N/A

Wheels diameter (mm)





| Hek o | upotek Aupor | abotek. | IEC 62368-1 | Aug Olek | anbotek | Aupor | P. Britis |
|--------|--------------------|---------|-------------|----------|---------|-------|-----------|
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| | Tilt test | And otek Anbotek | N/A |
|-----------|--|------------------------|--------|
| 8.6.4 | Glass slide test | er Anborek | N/A |
| 8.6.5 | Horizontal force test | Hotek Aupo, tek apotek | N/A |
| 8.7 | Equipment mounted to wall, ceiling or other struc | cture Andreas | N/A |
| 8.7.1 | Mount means type | Anborek Anbore Am | N/A |
| 8.7.2 | Test methods | anbotek Anbote A | N/A |
| abotek | Test 1, additional downwards force (N) | ek abotek Anbote | N/A |
| Anborek | Test 2, number of attachment points and test force (N) | ortek Anbotek Anbotek | N/A |
| otek Pupo | Test 3 Nominal diameter (mm) and applied torque (Nm) | Anbotek Anbotek Anbot | N/A |
| 8.8 | Handles strength | Anbotek Anbotek An | N/A |
| 8.8.1 | General | Anbo Lek Abotek | N/A |
| 8.8.2 | Handle strength test | Aupo. A. potek | N/A |
| Aupor | Number of handles | N/A Mario | _ |
| K Anbo | Force applied (N) | N/A | 3K — D |
| 8.9 | Wheels or casters attachment requirements | abotek Anboten Anti- | N/A |
| 8.9.2 | Pull test | Not such equipment | N/A |
| 8.10 | Carts, stands and similar carriers | k hotek Anboten | N/A |
| 8.10.1 | General | Not such equipment | N/A |
| 8.10.2 | Marking and instructions | ole And Lotek Anbotek | N/A |
| 8.10.3 | Cart, stand or carrier loading test | nbote. And otek anbote | N/A |
| yer Ant | Loading force applied (N) | Anboten Anbo tek no | N/A |
| 8.10.4 | Cart, stand or carrier impact test | Anbotek Anbo tek | N/A |
| 8.10.5 | Mechanical stability | Anbotek Anbo. | N/A |
| nbotek | Force applied (N) | tek Anbotek Anbo. | N/A |
| 8.10.6 | Thermoplastic temperature stability | stek anbotek Anbot | N/A |
| 8.11 | Mounting means for slide-rail mounted equipmen | it (SRME) | N/A |
| 8.11.1 | General | Not such equipment | N/A |
| 8.11.2 | Requirements for slide rails | Aupo, W. Potek V | N/A |
| Anbore | Instructional Safeguard | Anbor ak notek | N/A |
| 8.11.3 | Mechanical strength test | ek Anbore Andrek | N/A |
| 8.11.3.1 | Downward force test, force (N) applied | hotek Anbore And | N/A |
| 8.11.3.2 | Lateral push force test | tek upoter And | » N/A |







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| Tupo Otek | Anbotek Anbotek Anbotek Anbotek | Anbotek Anbotek Anbote |
| 8.11.3.3 | Integrity of slide rail end stops | ATNA |
| 8.11.4 | Compliance | And tek thores N/A |
| 8.12 | Telescoping or rod antennas | inbotek Ando sk botek N/Antis |
| lek an | Button/ball diameter (mm) | : N/A |

| 9 | THERMAL BURN INJURY | | Rek |
|-------|--|----------------------|------------------|
| 9.2 | Thermal energy source classifications | K botek Anbore | Amb P stelk |
| 9.3 | Touch temperature limits | ok hotek Anboten | P |
| 9.3.1 | Touch temperatures of accessible parts | (See appended table) | P _{VVD} |
| 9.3.2 | Test method and compliance | upore And | ek b W |
| 9.4 | Safeguards against thermal energy sources | Anbotes And otek | N/A |
| 9.5 | Requirements for safeguards | Anbotek Anbotek | N/A |
| 9.5.1 | Equipment safeguard | Anbotek Anbo | N/A |
| 9.5.2 | Instructional safeguard | tek anbotek Anbo. | N/A |
| 9.6 | Requirements for wireless power transmitters | tek nbotek Anbot | N/A |
| 9.6.1 | General | Not such equipment | N/A |
| 9.6.2 | Specification of the foreign objects | Anbor ak abotek An | N/A |
| 9.6.3 | Test method and compliance: | Anbor An- | N/A |

| 10 | RADIATION | | |
|---------|---|-----------------------------|-----|
| 10.2 | Radiation energy source classification | Potek Auporen Aur | N/A |
| 10.2.1 | General classification | RS1: LED for indicating | N/A |
| nek | Lasers | N/A | _ |
| 'up. | Lamps and lamp systems: | N/A | |
| Anbo | Image projectors: | N/A | _ |
| Aupo, | X-Ray:: | N/A | _ |
| Anbo | Personal music player: | N/A | |
| 10.3 | Safeguards against laser radiation | Anbotek Anbor An | N/A |
| hotek | The standard(s) equipment containing laser(s) comply: | Anbotek Anbotek A | N/A |
| 10.4 | Safeguards against optical radiation from lamps LED types) | and lamp systems (including | N/A |
| 10.4.1 | General requirements | otek Anbotek Anbo | N/A |
| rek Ant | Instructional safeguard provided for accessible radiation level needs to exceed | inbotek Anbotek Anbo | N/A |

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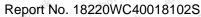


| HOK . | inbotek Anbot | Am abovek | IEC 62368-1 | Yugo Wiek | anbotek | Aupor | Par. |
|--------|--------------------|-----------|-------------|-----------|---------|-------|---------|
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| -otek | Anbore And Lok Shorter Anbo | notek Anbore | w. |
|-----------|--|-----------------------|--------------------|
| Ann | Risk group marking and location: | And otek Anbotek | N/A |
| Anbo | Information for safe operation and installation | en Ando stek unbotek | N/A |
| 10.4.2 | Requirements for enclosures | totek Anbu tek abotel | N/A |
| sk Vup | UV radiation exposure | upotek Anbo. ok A. | o [™] N/A |
| 10.4.3 | Instructional safeguard: | abotek Anbot Ans | N/A |
| 10.5 | Safeguards against X-radiation | abotek Anbore A | N/A |
| 10.5.1 | Requirements | No X-radiation | N/A |
| Pr. Potek | Instructional safeguard for skilled persons: | N/A Motor Ambore | _ |
| 10.5.3 | Maximum radiation (pA/kg) | N/A | _ |
| 10.6 | Safeguards against acoustic energy sources | Anborek Anbo | N/A |
| 10.6.1 | General | Anboren Anbo | N/A |
| 10.6.2 | Classification | Aupoter, Aupo, W. | N/A |
| Anbotek | Acoustic output L _{Aeq,T} , dB(A): | Anbotek Anbot | N/A |
| nbotek | Unweighted RMS output voltage (mV): | tek anbotek Anbore | N/A |
| | Digital output signal (dBFS): | tek obotek Anbote | N/A |
| 0.6.3 | Requirements for dose-based systems | hoo, by apolek Aupol | N/A |
| 10.6.3.1 | General requirements | Anbor An | N/A |
| 10.6.3.2 | Dose-based warning and automatic decrease | Anbore An hotek | N/A |
| 10.6.3.3 | Exposure-based warning and requirements | Auporen Ann | N/A |
| Anbores | 30 s integrated exposure level (MEL30): | lek Anbores Anb | N/A |
| Anbor | Warning for MEL ≥ 100 dB(A): | notek Anbotes Anbo | N/A |
| 0.6.4 | Measurement methods | Lotek Anbotek Anbot | N/A |
| 0.6.5 | Protection of persons | And otek anbotek Anh | N/A |
| tek. | Instructional safeguards: | Anbo rek anbotek | N/A |
| 10.6.6 | Requirements for listening devices (headphones, earphones, etc.) | See below | N/A |
| 10.6.6.1 | Corded listening devices with analogue input | otek anbotek Anbote | N/A |
| 3K - ~k | Listening device input voltage (mV): | stek anbotek Anbote | N/A |
| 0.6.6.2 | Corded listening devices with digital input | Anto Lotek Anb | N/A |
| , oV | Max. acoustic output L _{Aeq,T} , dB(A): | Anbor An notek | N/A |
| 10.6.6.3 | Cordless listening devices | Anbote And Sotek | N/A |
| Anboten | Max. acoustic output L _{Aeq,T} , dB(A) | ek anbotet anb | N/A |



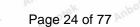




| Mek | inbotek Anbotes | protek | IEC 62368-1 | Auporotek | anbotek | Anbore | rok Bus |
|--------|--------------------|--------|-------------|------------|---------|--------|------------|
| Clause | Requirement + Test | bi. | Anboten | Result - F | Remark | Aup, | Verdict |

| В | NORMAL OPERATING CONDITION TESTS, ABNOCONDITION TESTS AND SINGLE FAULT CONDITION | | Aupot |
|-----------|--|--|------------------|
| B.1 Nabol | General | otek unboten Anb | Р |
| B.1.5 | Temperature measurement conditions | (See appended table B.1.5) | . P |
| B.2 | Normal operating conditions | Anbo. Lek abotek Anbo | Р |
| B.2.1 | General requirements: | (See Test Item Particulars and appended test tables) | ibote P |
| Anbotek | Audio Amplifiers and equipment with audio amplifiers | (See Annex E) | N/A |
| B.2.3 | Supply voltage and tolerances | poter Anto tek anbotek | N/A |
| B.2.5 | Input test: | (See appended table B.2.5) | ek P p |
| B.3 | Simulated abnormal operating conditions | Anbotek Anbot Att | N/A |
| B.3.1 | General | Anbotek Anbote An | N/A |
| B.3.2 | Covering of ventilation openings | k abotek Anbote | N/A |
| botel | Instructional safeguard | lek abotek Anboten | N/A |
| B.3.3 | DC mains polarity test | botek Anbotek | N/A |
| B.3.4 | Setting of voltage selector | Anbote Anbot | N/A |
| B.3.5 | Maximum load at output terminals | Aupoie, Aur. | N/A |
| B.3.6 | Reverse battery polarity | Anbores Anbo | N/A |
| B.3.7 | Audio amplifier abnormal operating conditions | Auporen Aupo | N/A |
| B.3.8 | Safeguards functional during and after abnormal operating conditions | (See appended table B.3) | N/A |
| B.4 | Simulated single fault conditions | inposes Aug stek supote | P M |
| B.4.1 | General | Anborok Anbo | ofer P |
| B.4.2 | Temperature controlling device | Anbotek Anbo tek | N/A |
| B.4.3 | Blocked motor test | anbotek Anbo. | N/A |
| B.4.4 | Functional insulation | ek anbotek Anbot | Pool |
| B.4.4.1 | Short circuit of clearances for functional insulation | stek Anbotek Anbote | Р |
| B.4.4.2 | Short circuit of creepage distances for functional insulation | Anbotek Anbotek Anbot | stek P An |
| B.4.4.3 | Short circuit of functional insulation on coated printed boards | Anbotek Anbotek A | N/A |
| B.4.5 | Short-circuit and interruption of electrodes in tubes and semiconductors | ek Anbotek Anbotek | Anbote |
| B.4.6 | Short circuit or disconnection of passive components | Jotek Anbotek Anbotek | P _{Ant} |
| B.4.7 | Continuous operation of components | Aupolo Am tek upo | N/A |





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| stek . | Tupotek Vupo, | A. społek | IEC 62368-1 | Aur | anbotek | Anbo. | wak ku |
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| Clause | Requirement + Tes | k Ai. | k Anboren | Result - | Remark | Anb | Verdict |

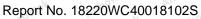
| B.4.8 | Compliance during and after single fault conditions | (See appended table B.4) | Anhotel |
|-------|--|--------------------------|---------|
| B.4.9 | Battery charging and discharging under single fault conditions | (See Annex M) | N/A |

| С | UV RADIATION | N/A | |
|-------|--|-----|--|
| C.1. | Protection of materials in equipment from UV radiation | | |
| C.1.2 | Requirements | N/A | |
| C.1.3 | Test method | N/A | |
| C.2 | UV light conditioning test | N/A | |
| C.2.1 | Test apparatus: | N/A | |
| C.2.2 | Mounting of test samples | N/A | |
| C.2.3 | Carbon-arc light-exposure test | N/A | |
| C.2.4 | Xenon-arc light-exposure test | N/A | |

| D | TEST GENERATORS | | | | | N/A |
|-----|----------------------------------|----------|---------|---------|---------|-------|
| D.1 | Impulse test generators | Yu. Otek | Aupotor | Aupo | n above | N/A 🔊 |
| D.2 | Antenna interface test generator | Aug | nbotek | Anbo | by. | N/A |
| D.3 | Electronic pulse generator | Aupo | nbore | k Vupo, | or bu | N/A |

| E | TEST CONDITIONS FOR EQUIPMENT CONTAIN | ING AUDIO AMPLIFIERS | N/A |
|----------|---|----------------------|-----|
| E.1 Anbu | Electrical energy source classification for audio signals | | |
| k by | Maximum non-clipped output power (W): | N/A | — |
| otek | Rated load impedance (Ω) | N/A | — |
| abotek | Open-circuit output voltage (V) | N/A | — |
| aborek | Instructional safeguard | N/A | — |
| E.2 | Audio amplifier normal operating conditions | tek abotek Anboro | N/A |
| - Pr | Audio signal source type | N/A | _ |
| · ok | Audio output power (W): | N/A | — |
| 4 | Audio output voltage (V) | N/A | — |
| upole ak | Rated load impedance (Ω) | N/A | — |
| Aupore | Requirements for temperature measurement | Anbote And Motek | N/A |
| E.3 | Audio amplifier abnormal operating conditions | Anbore Annotek | N/A |







| Mek | inbotek Anbotes | protek | IEC 62368-1 | Auporotek | anbotek | Anbore | rok Bus |
|--------|--------------------|--------|-------------|------------|---------|--------|------------|
| Clause | Requirement + Test | bi. | Anboten | Result - F | Remark | Aup, | Verdict |

| F | EQUIPMENT MARKINGS, INSTRUCTIONS, AND INSTRUCTIONAL SAFEGUARDS | | | | |
|------------|--|--|--------------------|--|--|
| F.1 Anbore | General Anbour | sofek Anbotek Anbo | Р | | |
| iek vup | Language | English | _ | | |
| F.2 | Letter symbols and graphical symbols | Anbo otek Anbotek Anbo | Р | | |
| F.2.1 | Letter symbols according to IEC60027-1 | Letter symbols for quantities and units are complied with IEC 60027-1. | Anbotek | | |
| F.2.2 | Graphic symbols according to IEC, ISO or manufacturer specific | Graphical symbols are complied with IEC 60417, ISO 3864-2, ISO 7000 or ISO 7010. | PP ^b bo | | |
| F.3 | Equipment markings | Anbo Anbo | Р | | |
| F.3.1 | Equipment marking locations | Anbor Ar hotek Ar | pore P | | |
| F.3.2 | Equipment identification markings | Anbore Am Botek | Р | | |
| F.3.2.1 | Manufacturer identification | (see copy of marking plate) | Р | | |
| F.3.2.2 | Model identification | (see copy of marking plate) | Р | | |
| F.3.3 | Equipment rating markings | hotek Anbotek Anbo | _k P | | |
| F.3.3.1 | Equipment with direct connection to mains | in otek Anbotek Anbo | N/A | | |
| F.3.3.2 | Equipment without direct connection to mains | And stek anbotek An | P | | |
| F.3.3.3 | Nature of the supply voltage: | (see copy of marking plate) | Anbo'P | | |
| F.3.3.4 | Rated voltage | (see copy of marking plate) | An Porce | | |
| F.3.3.5 | Rated frequency: | Not provided with a means for direct connection to the mains | Panbo | | |
| F.3.3.6 | Rated current or rated power | (see copy of marking plate) | P P | | |
| F.3.3.7 | Equipment with multiple supply connections | Anbo tek abotek Ant | N/A | | |
| F.3.4 | Voltage setting device | Anbo. A. Abotek | N/A | | |
| F.3.5 | Terminals and operating devices | Anbor. All botek | N/A | | |
| F.3.5.1 | Mains appliance outlet and socket-outlet markings | ek Anborek Anborek | N/A | | |
| F.3.5.2 | Switch position identification marking: | too. A. shotek Anbote | N/A | | |
| F.3.5.3 | Replacement fuse identification and rating markings | Anbotek Anbotek Anb | N/A | | |
| abotek | Instructional safeguards for neutral fuse: | anbotek Anbote A | N/A | | |
| F.3.5.4 | Replacement battery identification marking: | ok shotek Anbote | N/A | | |
| F.3.5.5 | Neutral conductor terminal | ek botek Anboten | N/A | | |
| F.3.5.6 | Terminal marking location | bor Ar stek unbote | N/A | | |





| Hek h | inbotek Anbotek | porek | IEC 62368-1 | Anbo | anbotek | Anbore | .ak |
|--------|--------------------|---------|-------------|------------|---------|--------|---------|
| Clause | Requirement + Test | r hotel | Anboten | Result - F | Remark | Anb | Verdict |

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| -otek | Anbor An Lok Aborek Anb | Lotek Anboy | ,ek |
|---|--|--|---|
| F.3.6 | Equipment markings related to equipment classification | ok Anbotek Anbotek | N/A |
| F.3.6.1 | Class I equipment | Lotek Anboten Anbo | N/A |
| F.3.6.1.1 | Protective earthing conductor terminal | otek onbotek Anbo | N/A |
| F.3.6.1.2 | Protective bonding conductor terminals: | Anti- | N/A |
| F.3.6.2 | Equipment class marking: | Anba tek abotek A | N/A |
| F.3.6.3 | Functional earthing terminal marking: | Without functional earth | N/A |
| F.3.7 | Equipment IP rating marking | IPX0 | Rooke |
| F.3.8 | External power supply output marking: | otek Anboien Ann | N/A |
| F.3.9 M | Durability, legibility and permanence of marking | See below | ek P |
| F.3.10 Anbotek Anbotek Anbotek Anbotek Anbotek | Test for permanence of markings | The label was subjected to the permanence of marking test. The label was rubbed with cloth soaked with water for 15 sec. And then again for 15 sec., with the cloth soaked with petroleum spirit. After this test there was no damage to the label. The marking on the label did not fade. There was no curling and lifting of the label edge. After each test, the marking remained legible. | ootekP Anbotek Anbotek Anbotek Anbotek Anbotek |
| F.4 M | Instructions | otek Anbotek | Rupo |
| And | a) Information prior to installation and initial use | See user manual | F P |
| tek Yu | b) Equipment for use in locations where children not likely to be present | Anbotek Anbotek Ant | N/A |
| ,bu. | c) Instructions for installation and interconnection | See user manual | upote b |
| | d) Equipment intended for use only in restricted access area | ek Vupotek Vupotek | N/A |
| nbote | e) Equipment intended to be fastened in place | tek anbotek Anbot | N/A |
| ek ab | f) Instructions for audio equipment terminals | ov Anborek Anbore | N/A |
| - ok | g) Protective earthing used as a safeguard | Aupo, W. Potek Mup | N/A |
| ootek | h) Protective conductor current exceeding ES2 limits | Anbotek Anbotek A | N/A |
| hotek | i) Graphic symbols used on equipment | ak botek Anboten | P. of |
| Anbotel | j) Permanently connected equipment not provided with all-pole mains switch | Dotek Anbotek Anbotek | N/A |







| Hek o | upotek Aupor | abotek. | IEC 62368-1 | Aug Olek | anbotek | Aupor | P. Britis |
|--------|--------------------|---------|-------------|----------|---------|-------|-----------|
| Clause | Requirement + Test | k hotel | Anboten | Result - | Remark | Pup. | Verdict |

| Anbotek | k) Replaceable components or modules providing safeguard function | ek Anbotek A | N/A |
|---------|---|------------------|--------|
| Anbo | Equipment containing insulating liquid | otek Anbotek | N/A |
| lek V | m) Installation instructions for outdoor equipment | otek anbotek | N/A |
| F.5 | Instructional safeguards | Ant stek Anbotek | Aup. B |

| G | COMPONENTS | | no Pek |
|-----------|--|--------------------------|--------|
| G.1 boten | Switches | sk Aupotek Aupo | N/A |
| G.1.1 | General | otek Anbotek Anbot | N/A |
| G.1.2 | Ratings, endurance, spacing, maximum load | tek nbotek Anbot | N/A |
| G.1.3 | Test method and compliance | Jupo rek upotek Vupo | N/A |
| G.2* | Relays | Anbow Ak abotek Ar | N/A |
| G.2.1 | Requirements | No such component | N/A |
| G.2.2 | Overload test | r Aupote, Aug Potek | N/A |
| G.2.3 | Relay controlling connectors supplying power to other equipment | otek Anbores Amborek | N/A |
| G.2.4 | Test method and compliance | nbo, ak potek Aupot | N/A |
| G.3* | Protective devices | Anborn K An | N/A |
| G.3.1 | Thermal cut-offs | Anbores Ame otek | N/A |
| Anbotek | Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b) | Anbotek Anbotek | N/A |
| k Anbor | Thermal cut-outs tested as part of the equipment as indicated in c) | botek Anbotek Anbotek | N/A |
| G.3.1.2 | Test method and compliance | abotek Anbore An | N/A |
| G.3.2 | Thermal links | hotek Anbote Ant | N/A |
| G.3.2.1 | a) Thermal links tested separately according to IEC 60691 with specifics | Anbotek Anbotes | N/A |
| Anbore | b) Thermal links tested as part of the equipment | ek Anbore K An- | N/A |
| G.3.2.2 | Test method and compliance | botek Anbote. And | N/A |
| G.3.3 | PTC thermistors | hotek Anboten Anb | N/A |
| G.3.4 | Overcurrent protection devices | Arr Anbotek Anb | N/A |
| G.3.5 | Safeguards components not mentioned in G.3.1 to G.3.4 | Anbotek Anbotek A | N/A |
| G.3.5.1 | Non-resettable devices suitably rated and marking provided | ek Anbotek Anbotek | N/A |
| G.3.5.2 | Single faults conditions: | (See appended table B.4) | N/A |
| G.4* | Connectors | Aupole Aug tek apo | N/A |





| | upotek Aupo, | | IEC 62368-1 | | | | |
|--------|--------------------|-----|-------------|------------|-------|------|---------|
| Clause | Requirement + Test | bi. | k anboten | Result - R | emark | Anbo | Verdict |

| G.4.1 | Spacings | And stek subotek | N/A |
|-----------|--|------------------------|-----|
| G.4.2 | Mains connector configuration | lisk Tupo, rek upotek | N/A |
| G.4.3 | Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely | ootek Anbotek Anbotek | N/A |
| G.5 | Wound components | Anbo tek anbotek Anbo | N/A |
| G.5.1 | Wire insulation in wound components | Aupa, tek upotek W. | N/A |
| G.5.1.2 | Protection against mechanical stress | Anbor An abotek | N/A |
| G.5.2* | Endurance test | ek Anbore Anborek | N/A |
| G.5.2.1 | General test requirements | otek Anboies And | N/A |
| G.5.2.2 | Heat run test | botek Anbores Anb | N/A |
| otek p | Test time (days per cycle): | N/A | _ |
| -otek | Test temperature (°C): | N/A | _ |
| G.5.2.3 | Wound components supplied from the mains | And otek Anbotek | N/A |
| G.5.2.4 | No insulation breakdown | Anbotek anbotek | N/A |
| G.5.3 | Transformers | No such component | N/A |
| G.5.3.1 | Compliance method: | unbotek Anton tek abok | N/A |
| otek pr | Position: | unpotek Aupon ak | N/A |
| nbotek | Method of protection | Aupotek Aupote Are | N/A |
| G.5.3.2 | Insulation | Anborek Anbor | N/A |
| abotek | Protection from displacement of windings | N/A | _ |
| G.5.3.3 | Transformer overload tests | ok botek Anbotek | N/A |
| G.5.3.3.1 | Test conditions | hotek Anbote | N/A |
| G.5.3.3.2 | Winding temperatures | Anbotte And Sotek Ant | N/A |
| G.5.3.3.3 | Winding temperatures - alternative test method | Aupoier Aug | N/A |
| G.5.3.4 | Transformers using FIW | Anbores Anbo | N/A |
| G.5.3.4.1 | General | lek Aupotes Aupo | N/A |
| anbor | FIW wire nominal diameter: | N/A | |
| G.5.3.4.2 | Transformers with basic insulation only | Lotek Anbotek Anbors | N/A |
| G.5.3.4.3 | Transformers with double insulation or reinforced insulation | Anbotek Anbotek Anb | N/A |
| G.5.3.4.4 | Transformers with FIW wound on metal or ferrite core | Anbotek Anbotek | N/A |
| G.5.3.4.5 | Thermal cycling test and compliance | All hotek Anbotek | N/A |
| G.5.3.4.6 | Partial discharge test | pote Ann Anbotek | N/A |
| G.5.3.4.7 | Routine test | upote, but | N/A |





G.7.3

G.7.3.2

G.7.3.2.1

G.7.3.2.2

G.7.3.2.3

G.7.3.2.4

G.7.4

G.7.5

| IEC 62368-1 | | | | | | | |
|-------------|--|--------------------------|---------|--|--|--|--|
| Clause | Requirement + Test | Result - Remark | Verdict | | | | |
| ,bo | Anbotek Anbotek Anbotek Anbotek | Anborek Anborek A | nbore | | | | |
| G.5.4 | Motors | Aup stek upotek | N/A | | | | |
| G.5.4.1 | General requirements | Anbo sek abotek | N/A | | | | |
| G.5.4.2 | Motor overload test conditions | potek Anboy ok Abotely | N/A | | | | |
| G.5.4.3 | Running overload test | Anbotek Anbote Att | N/A | | | | |
| G.5.4.4.2 | Locked-rotor overload test | abotek Anbote An | N/A | | | | |
| botek | Test duration (days) | abotek Anbore A | _ | | | | |
| G.5.4.5 | Running overload test for DC motors | k hotek Anbores | N/A | | | | |
| G.5.4.5.2 | Tested in the unit | ak hotek Anbotet | N/A | | | | |
| G.5.4.5.3 | Alternative method | ote. Am otek Aupotek | N/A | | | | |
| G.5.4.6 | Locked-rotor overload test for DC motors | unbores And otek Anbo | N/A | | | | |
| G.5.4.6.2 | Tested in the unit | Anbotes Anb | N/A | | | | |
| Anbotek | Maximum Temperature | (See appended table B.4) | N/A | | | | |
| G.5.4.6.3 | Alternative method | k Aupotek Aupo | N/A | | | | |
| G.5.4.7 | Motors with capacitors | tek Anbotek Anbot | N/A | | | | |
| G.5.4.8 | Three-phase motors | tek nbotek Anbote | N/A | | | | |
| G.5.4.9 | Series motors | hoo rek abotek Anbor | N/A | | | | |
| o. k | Operating voltage: | N/A | _ | | | | |
| G.6 | Wire Insulation | Anbott An Hotek | N/A | | | | |
| G.6.1 | General | Aupore Aur Motek | N/A | | | | |
| G.6.2 | Enamelled winding wire insulation | tek Anbore And | N/A | | | | |
| G.7 MOO | Mains supply cords | botek Anbotes Anbo | N/A | | | | |
| G.7.1 | General requirements | hotek Anbotek Anbo | N/A | | | | |
| Lotek. | Type | N/A | _ | | | | |
| G.7.2 | Cross sectional area (mm² or AWG): | Arm tek abotek | N/A | | | | |

| A CONTRACTOR OF THE PARTY OF TH | La | .0' | Section 1991 to the section of the s | Control of the Contro |
|--|---|------------|--|--|
| Shenzhen | Anbotek | Compliance | Laboratory | Limited |



N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

Cord anchorages and strain relief for non-

Strain relief test force (N):

Cord sheath or jacket position, distance (mm):

Strain relief and cord anchorage material

Non-detachable cord bend protection

detachable power supply cords

Strain relief mechanism failure

Cord strain relief

Requirements

Cord Entry



| Product Safety | | Page 30 of 77 | | | Report No. 18220WC40018102 | | |
|----------------|--------------------|---------------|-------------|----------|----------------------------|--------|---------|
| stek ant | otek Anbou | abotek. | IEC 62368-1 | Aup | anbotek | Anboro | rok bu |
| Clause | Requirement + Test | bi. | Anboten | Result - | Remark | sk Aup | Verdict |

| wotek. | Aupor All tek upoter And And the totak Anbor | bi. |
|-----------|---|---------------------------------------|
| G.7.5.1 | Requirements | N/A |
| G.7.5.2 | Test method and compliance | N/A |
| rek Anbo | Overall diameter or minor overall dimension, D (mm) | Anbotel — |
| rek. | Radius of curvature after test (mm) N/A | Anbo |
| G.7.6 | Supply wiring space | N/A |
| G.7.6.1 | General requirements | N/A |
| G.7.6.2 | Stranded wire | N/A |
| G.7.6.2.1 | Requirements | N/A |
| G.7.6.2.2 | Test with 8 mm strand | N/A |
| G.8 | Varistors Ambores Ambores Ambores | N/A |
| G.8.1 | General requirements | N/A |
| G.8.2 | Safeguards against fire | N/A |
| G.8.2.1 | General | N/A |
| G.8.2.2 | Varistor overload test | N/A |
| G.8.2.3 | Temporary overvoltage test | N/A |
| G.9* | Integrated circuit (IC) current limiters | N/A |
| G.9.1 | Requirements | N/A |
| abotek | IC limiter output current (max. 5A) N/A | |
| abotek | Manufacturers' defined drift N/A | , , , , , , , , , , , , , , , , , , , |
| G.9.2 | Test Program | N/A |
| G.9.3 | Compliance | N/A |
| G.10* | Resistors And | N/A |
| G.10.1 | General Andrew Andrew Andrew | N/A |
| G.10.2 | Conditioning | N/A |
| G.10.3 | Resistor test | N/A |
| G.10.4 | Voltage surge test | N/A |
| G.10.5 | Impulse test | N/A |
| G.10.6 | Overload test | N/A |
| G.11 | Capacitors and RC units | N/A |
| G.11.1 | General requirements | N/A |
| G.11.2 | Conditioning of capacitors and RC units | N/A |
| G.11.3 | Rules for selecting capacitors | N/A |
| G.12 | Optocouplers | » N/A |









| Mek | inbotek Anbotes | protek | IEC 62368-1 | Auporotek | anbotek | Anbore | rok Bus |
|--------|--------------------|--------|-------------|------------|---------|--------|------------|
| Clause | Requirement + Test | bi. | Anboten | Result - F | Remark | Aup, | Verdict |

| Aupotok | Optocouplers comply with IEC 60747-5-5 with | Anbotek Anbo | N/A |
|----------|---|--|--------------------|
| Anbore | specifics | k Anbote. And | anbot |
| | Type test voltage V _{ini,a} | V/A Amboren Amboren | _ |
| ek anb | Routine test voltage, V _{ini, b} | V/A | _ |
| G.13 | Printed boards | inb otek anbotek Anbe | P |
| G.13.1 | | Approved PCB used, see appended table 4.1.2 for detail | Anbotek Anbotek |
| G.13.2 | Uncoated printed boards | Anboten Anbotek | Poore |
| G.13.3 | Coated printed boards | itek Anbotek Anbo | N/A |
| G.13.4 | Insulation between conductors on the same inner surface | hbotek Anbotek Anbot | N/A |
| G.13.5 | Insulation between conductors on different surfaces | Anbotek Anbotek An | N/A |
| An Lotek | Distance through insulation | Anbotek Anbotek | N/A |
| Ann | Number of insulation layers (pcs) | N/A | _ |
| G.13.6 | Tests on coated printed boards | rei Andorek | N/A |
| G.13.6.1 | Sample preparation and preliminary inspection | botek Anbo. Lek abot | N/A |
| G.13.6.2 | Test method and compliance | Anborek Anbor An | N/A |
| G.14* | Coating on components terminals | anbotek Anbote An | N/A |
| G.14.1 | Requirements | abotek Anbote | N/A |
| G.15* | Pressurized liquid filled components | ek spotek Anboien | N/A |
| G.15.1 | Requirements | ok hotek Anbotek | N/A |
| G.15.2 | Test methods and compliance | ports. And work Aupore | N/A |
| G.15.2.1 | Hydrostatic pressure test | Anboren Ann otek ant | N/A |
| G.15.2.2 | Creep resistance test | Anbores Anbo | N/A |
| G.15.2.3 | Tubing and fittings compatibility test | Anbotes Anbo | N/A |
| G.15.2.4 | Vibration test | ik aupotek Aupo. | N/A |
| G.15.2.5 | Thermal cycling test | otek Anbotek Anbote | N/A |
| G.15.2.6 | Force test | otek nbotek Anbots | N/A |
| G.15.3 | Compliance | rek abotek Anb | N/A |
| G.16* | IC including capacitor discharge function (ICX) | Anbo. Anbotek A | N/A |
| G.16.1 | Condition for fault tested is not required | Anbor An Sotek | N/A |
| Aupole | ICX with associated circuitry tested in equipment | k Aupoles And | N/A |
| 110/0 | IOV to start a superior to | ok hores Aribs | N/A |
| | ICX tested separately | ole Vur | INA |





| Hek h | inbotek Anbotek | porek | IEC 62368-1 | Anbo | anbotek | Anbore | .ak |
|--------|--------------------|---------|-------------|------------|---------|--------|---------|
| Clause | Requirement + Test | r hotel | Anboten | Result - F | Remark | Anb | Verdict |

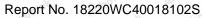
| Anborek | Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test: | N/A Anbotek Anbotek | _ |
|----------|--|-------------------------|-----|
| Anbore | Mains voltage that impulses to be superimposed on | N/A Anborek Amborek | _ |
| potek An | Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test | N/A Anbotek Anbotek | _ |
| G.16.3 | Capacitor discharge test | hotek Anbote A | N/A |
| Н | CRITERIA FOR TELEPHONE RINGING SIGNALS | | N/A |
| H.1 | General | An- Lotek Anbotek | N/A |
| H.2 | Method A | porte. And otek Anbotek | N/A |
| H.3 | Method B | Anbotek Anbo | N/A |
| H.3.1 | Ringing signal | Anbotek Anbo sek | N/A |
| H.3.1.1 | Frequency (Hz) | N/A | _ |
| H.3.1.2 | Voltage (V) | N/A Moorek Antoo | _ |
| H.3.1.3 | Cadence; time (s) and voltage (V) | N/A | _ |
| H.3.1.4 | Single fault current (mA): | N/A | _ |
| H.3.2 | Tripping device and monitoring voltage | upo, by apolek Aupol | N/A |
| H.3.2.1 | Conditions for use of a tripping device or a monitoring voltage | Anbotek Anbotek An | N/A |
| H.3.2.2 | Tripping device | upotek Anbore | N/A |
| H.3.2.3 | Monitoring voltage (V): | ok botek Anbote | N/A |

| J | INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION | | | | | |
|----------|---|----------|--|--|--|--|
| J.1 | General And Andrew Andrew Andrew Andrew | N/A | | | | |
| 'up otek | Winding wire insulation N/A | _ | | | | |
| Anbo | Solid round winding wire, diameter (mm): | N/A | | | | |
| Anbo | Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²): | N/A | | | | |
| J.2/J.3 | Tests and Manufacturing | rek - ku | | | | |

| K | SAFETY INTERLOCKS | N/A |
|---------|--|-----|
| K.1 | General requirements | N/A |
| Aupotek | Instructional safeguard: | N/A |
| K.2 | Components of safety interlock safeguard mechanism | N/A |
| K.3 | Inadvertent change of operating mode | N/A |









| Mek | inbotek Anbotes | protek | IEC 62368-1 | Auporotek | anbotek | Anbore | rok Bus |
|--------|--------------------|--------|-------------|------------|---------|--------|------------|
| Clause | Requirement + Test | bi. | Anboten | Result - F | Remark | Aup, | Verdict |

| K.4 | Interlock safeguard override | N/A |
|-----------|---|-----|
| K.5 | Fail-safe rek Anborek Anborek Anborek | N/A |
| K.5.1 | Under single fault condition | N/A |
| K.6 | Mechanically operated safety interlocks | N/A |
| K.6.1 | Endurance requirement | N/A |
| K.6.2 | Test method and compliance | N/A |
| K.7 | Interlock circuit isolation | N/A |
| K.7.1 | Separation distance for contact gaps & interlock circuit elements | N/A |
| ek Anb | In circuit connected to mains, separation distance for contact gaps (mm) | N/A |
| anbotek . | In circuit isolated from mains, separation distance for contact gaps (mm) | N/A |
| Anbotek | Electric strength test before and after the test of K.7.2 | N/A |
| K.7.2 | Overload test, Current (A) | N/A |
| K.7.3 | Endurance test | N/A |
| K.7.4 | Electric strength test | N/A |

| L | DISCONNECT DEVICES | N/A |
|----------|---------------------------------|---------|
| Linbo | General requirements | N/A |
| L.2 Anbo | Permanently connected equipment | N/A N/A |
| L.3 | Parts that remain energized | N/A |
| L.4 | Single-phase equipment | N/A |
| L.5 | Three-phase equipment | N/A |
| L.6 | Switches as disconnect devices | N/A |
| L.7 | Plugs as disconnect devices | N/A |
| L.8 Amb | Multiple power sources | N/A |
| PL | Instructional safeguard: | N/A |

| М | EQUIPMENT CONTAINING BATTERIES AND TH | EIR PROTECTION CIRCUITS | N/A |
|-------|---|-------------------------|-----|
| M.1 | General requirements | Arra otek Ambotek | N/A |
| M.2 | Safety of batteries and their cells | And stek anbotek | N/A |
| M.2.1 | Batteries and their cells comply with relevant IEC standards: | (See table 4.1.2) | N/A |
| М.3 | Protection circuits for batteries provided within the equipment | Anbotek Anbotek Anbotek | N/A |





| | upotek Aupo, | | IEC 62368-1 | | | | |
|--------|--------------------|-----|-------------|------------|-------|------|---------|
| Clause | Requirement + Test | bi. | k anboten | Result - R | emark | Anbo | Verdict |

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| M.3.1 | Requirements | A. otek Aupoten | N/A |
|-----------|---|------------------------------|-----|
| M.3.2 | Test method | arek nbotek | N/A |
| Aupo | Overcharging of a rechargeable battery | potek Anbo tek abotek | N/A |
| ek Anb | Excessive discharging | Anbotek Anbo. Ak abo | N/A |
| potek p | Unintentional charging of a non-rechargeable battery | Anbotek Anbotek An | N/A |
| Aupo. | Reverse charging of a rechargeable battery | Anbo sek abotek | N/A |
| M.3.3 | Compliance | (See appended table M.3) | N/A |
| M.4 M. | Additional safeguards for equipment containing battery | a portable secondary lithium | N/A |
| M.4.1 | General | Anbo, Arborek Aupo | N/A |
| M.4.2 | Charging safeguards | Aupon Au | N/A |
| M.4.2.1 | Requirements | Anbore Andrek | N/A |
| M.4.2.2 | Compliance: | (See appended table M.4.2) | N/A |
| M.4.3 | Fire enclosure: | Enclosure: V-0 | N/A |
| M.4.4 | Drop test of equipment containing a secondary lithium battery | nbotek Anboten Anbot | N/A |
| M.4.4.2 | Preparation and procedure for the drop test | Anbore K An | N/A |
| M.4.4.3 | Drop, Voltage on reference and dropped batteries (V); voltage difference during 24 h period (%):: | Anborek Anborek | N/A |
| M.4.4.4 | Check of the charge/discharge function | k hotek Anboten | N/A |
| M.4.4.5 | Charge / discharge cycle test | ran Ann alek Anbotek | N/A |
| M.4.4.6 | Compliance | botes And otek Anbote | N/A |
| M.5 | Risk of burn due to short-circuit during carrying | Anbotel Anb | N/A |
| M.5.1 | Requirement | Anborek Anbor An | N/A |
| M.5.2 | Test method and compliance | anbotek Anbot | N/A |
| M.6 botek | Safeguards against short-circuits | tek abotek Anbotek | N/A |
| M.6.1 | External and internal faults | tek abotek Anbotes | N/A |
| M.6.2 | Compliance | bo. Pr. spotek Aupore | N/A |
| M.7* | Risk of explosion from lead acid and NiCd batter | ies hotek Anbi | N/A |
| M.7.1 | Ventilation preventing explosive gas concentration | Anbor Ar wotek | N/A |
| Anbore | Calculated hydrogen generation rate: | Anbore Ante | N/A |
| M.7.2 | Test method and compliance | ek Anbores Anbo | N/A |
| Anbote | Minimum air flow rate, Q (m³/h): | otek Anbotet Anb | N/A |
| M.7.3 | Ventilation tests | ak shotek Anbou | N/A |







| NOK 0 | inbotek Anbote | An abotek | IEC 62368-1 | Anbu | anbotek | Aupor | Par. |
|--------|--------------------|-----------|-------------|------------|---------|-------|---------|
| Clause | Requirement + Test | k hotel | k Anboren | Result - I | Remark | Aup | Verdict |

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| -otek | Anbor Air wak abores Anbo | . otek Pupo, b | .ek |
|---------|---|--------------------------|--------------------|
| M.7.3.1 | General | And otek Ambotek | N/A |
| M.7.3.2 | Ventilation test – alternative 1 | Anb tek abotek | N/A |
| Anbo | Hydrogen gas concentration (%): | Anbo tek abotek | N/A |
| M.7.3.3 | Ventilation test – alternative 2 | otek Aupo, Ar | o [™] N/A |
| potek | Obtained hydrogen generation rate: | nbotek Anbor An | N/A |
| M.7.3.4 | Ventilation test – alternative 3 | abotek Anbote A | N/A |
| hotek | Hydrogen gas concentration (%): | hotek Anbote | N/A |
| M.7.4 | Marking | K hotek Anboten | N/A |
| M.8* | Protection against internal ignition from external spwith aqueous electrolyte | ark sources of batteries | N/A |
| M.8.1 | General | hotek Anbotes Anbo | N/A |
| M.8.2 | Test method | notek Anbotek Ar | N/A |
| M.8.2.1 | General Andrew Andrew | Ambotek Anbotek | N/A |
| M.8.2.2 | Estimation of hypothetical volume V _Z (m³/s) | A Anbotek | _ |
| M.8.2.3 | Correction factors N// | A Ambotek | _ |
| M.8.2.4 | Calculation of distance d (mm) N// | A Anto tek anbot | _ |
| M.9 | Preventing electrolyte spillage | upotek Anton tek mi | N/A |
| M.9.1 | Protection from electrolyte spillage | Anborek Anbo. Ak | N/A |
| M.9.2 | Tray for preventing electrolyte spillage | Anborek Anbors | N/A |
| M.10 | Instructions to prevent reasonably foreseeable misuse | Anbotek Anbotek | N/A |
| Aupo | Instructional safeguard: | lek Aupo, by | N/A |

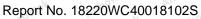
| N | ELECTROCHEMICAL POTENTIALS | | |
|---------|----------------------------|-----|---|
| in stek | Material(s) used | N/A | _ |

| 0 | MEASUREMENT OF CREEPAGE DISTANCES AND CLEARANCES | | N/A |
|--------|--|-----|-----|
| Anbote | Value of X (mm) | N/A | _ |

| Р | SAFEGUARDS AGAINST CONDUCTIVE OBJECTS | | |
|---------|---|-----|--|
| P.1 | General anbotek Anbotek Anbotek Anbotek | N/A | |
| P.2 | Safeguards against entry or consequences of entry of a foreign object | | |
| P.2.1 | General | N/A | |
| P.2.2 | Safeguards against entry of a foreign object | N/A | |
| rek nob | Location and Dimensions (mm) N/A | _ | |









| stek vi | potek Anbotes | An botek | IEC 62368-1 | Anbo. otek | Anborek. | Aupore | 'SK BUD |
|---------|--------------------|-----------|-------------|------------|----------|--------|---------|
| Clause | Requirement + Test | by, posek | Anboren | Result - I | Remark | Anb | Verdict |

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| P.2.3 | Safeguards against the consequences of entry of a foreign object | ak Anbotek Anbotek | N/A |
|----------------------|---|----------------------|-----|
| P.2.3.1 | Safeguard requirements | sotek Anbotek Anbe | N/A |
| iek Ant | The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment | Anbotek Anbotek Anbo | N/A |
| botek | Transportable equipment with metalized plastic parts | Anborek Anborek A | N/A |
| P.2.3.2 | Consequence of entry test | k hotek Anboten | N/A |
| P.3* | Safeguards against spillage of internal liquids | And otek Anbotek | N/A |
| P.3.1 | General | otek Anbotek | N/A |
| P.3.2 | Determination of spillage consequences | Aupotek Aupo | N/A |
| P.3.3 | Spillage safeguards | Anbotek Anbo. Lak | N/A |
| P.3.4 | Compliance | Anbotek Anbot At | N/A |
| P.4* | Metallized coatings and adhesives securing part | s nbotek Anbote | N/A |
| P.4.1 | General | tek abotek Anbote | N/A |
| P.4.2 | Tests Anbored And Mek Anbored Ant | ok hotek Anboten | N/A |
| -K Bu | Conditioning, T _C (°C): | N/A | _ |
| O _{fer} , b | Duration (weeks): | N/A | _ |
| 200 | | 401 | 70. |

| Q | CIRCUITS INTENDED FOR INTERCONNECTION | WITH BUILDING WIRING | N/A |
|-------------|--|---|-----|
| Q.1 Anbotek | Limited power sources | Considered for all the output terminals | N/A |
| Q.1.1 | Requirements | upotek Aupon ok pote | N/A |
| otek An | a) Inherently limited output | abotek Anbote An | N/A |
| aborek | b) Impedance limited output | (See appended table Q.1) | N/A |
| hotek | c) Regulating network limited output | botek Anbore | N/A |
| An- hotek | d) Overcurrent protective device limited output | ok hotek Anboten | N/A |
| D1111 | e) IC current limiter complying with G.9 | Anbotek Anbotek | N/A |
| Q.1.2 | Test method and compliance | (See appended table Q.1) | N/A |
| Her An | Current rating of overcurrent protective device (A): | Anboter And | N/A |
| Q.2 | Test for external circuits – paired conductor cable | Anborek Anborek A | N/A |
| Ann | Maximum output current (A) | Ann otek anbotek | N/A |
| AUD | Current limiting method | N/A Andrew | |







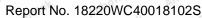
| No.k | Anbotek Anbote | p.n. botek | IEC 62368-1 | Anioo | anbotek | Aupore | rek bu |
|--------|-------------------|------------|-------------|------------|---------|--------|---------|
| Clause | Requirement + Tes | ok hotel | k Anborer | Result - F | Remark | Aup, | Verdict |

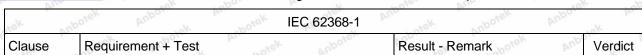
| R | LIMITED SHORT CIRCUIT TEST | 7-01 P7 | N/A |
|-----------|---|---|-----|
| R.1 | General | er Anbo | N/A |
| R.2 Anbox | Test setup | potek Anbors Anborek | N/A |
| iek Vu | Overcurrent protective device for test: | N/A | _ |
| R.3 | Test method | upotek Aupote Aur | N/A |
| abotek | Cord/cable used for test | N/A MOON AND AND AND AND AND AND AND AND AND AN | _ |
| R.4 | Compliance | k potek Anbore | N/A |

| S | TESTS FOR RESISTANCE TO HEAT AND FIRE | 210 2111 | N/A |
|--------|---|-----------------------|-----|
| S.1 | Flammability test for fire enclosures and fire bar where the steady state power does not exceed 4 | | N/A |
| oo tek | Samples, material | N/A | _ |
| Vupo. | Wall thickness (mm) | N/A | |
| Vupo. | Conditioning (°C) | N/A Mark | |
| k Anbo | Test flame according to IEC 60695-11-5 with conditions as set out | otek Anbotek Anbotek | N/A |
| stek | - Material not consumed completely | And otek Anbotek Anbo | N/A |
| -re/ | - Material extinguishes within 30s | Ando stek anbosek An | N/A |
| Yupo. | - No burning of layer or wrapping tissue | Anbo sek abotek | N/A |
| S.2 | Flammability test for fire enclosure and fire barr | ier integrity | N/A |
| Aupo, | Samples, material | N/A Arbon Mark | _ |
| k Anl | Wall thickness (mm) | N/A | |
| Nek | Conditioning (°C) | N/A | |
| S.3 | Flammability test for the bottom of a fire enclose | | N/A |
| S.3.1 | Mounting of samples | work Andores | N/A |
| S.3.2 | Test method and compliance | k hotek Anbotek | N/A |
| Vien | Mounting of samples | N/A Amontek Amborek | _ |
| Ville | Wall thickness (mm) | N/A | |
| S.4 | Flammability classification of materials | Anbotek Anb | N/A |
| S.5 | Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W | Anbotek Anbotek A | N/A |
| Anboro | Samples, material | N/A | _ |
| Anb | Wall thickness (mm) | N/A | _ |
| ek o | Conditioning (°C): | N/A | _ |



Product Safety





| MECHANICAL STRENGTH TESTS | | Phote |
|--------------------------------------|---|-------------------------|
| General Arborek Arborek | motek Anboten Anbo | P |
| Steady force test, 10 N | otek Anbotek Anbo | N/A |
| Steady force test, 30 N: | And otek Anbotek Anbo | N/A |
| Steady force test, 100 N: | (See appended table T.4) | N/A |
| Steady force test, 250 N | (See appended table T.5) | Auph |
| Enclosure impact test | (See appended table T.6) | N/A |
| Fall test | otek Anbor Am botek | N/A |
| Swing test | abotek Anbote And | [№] N/A |
| Drop test: | (See appended table T.7) | nove\P |
| Stress relief test: | (See appended table T.8) | No. Poly |
| Glass Impact Test: | k anbotek Anbote | N/A |
| Glass fragmentation test | otek anbotek Anbote | N/A |
| Number of particles counted: | tek anbotek Anbotes | N/A |
| Test for telescoping or rod antennas | Anbor Anborek Anbor | N/A |
| Torque value (Nm): | Aupo, bosek Au | N/A |
| | Steady force test, 10 N: Steady force test, 30 N: Steady force test, 100 N: Steady force test, 250 N: Enclosure impact test Fall test Swing test Drop test: Stress relief test: Glass Impact Test: Glass fragmentation test Number of particles counted: Test for telescoping or rod antennas | Steady force test, 10 N |

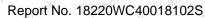
| U | MECHANICAL STRENGTH OF CATHODE RAY TUBES (CRT) AND PROTECTION AGAINST THE EFFECTS OF IMPLOSION | | | |
|-----|--|-----|--|--|
| U.1 | General | N/A | | |
| P | Instructional safeguard : | N/A | | |
| U.2 | Test method and compliance for non-intrinsically protected CRTs | N/A | | |
| U.3 | Protective screen | N/A | | |

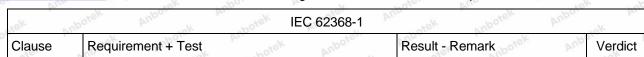
| V | DETERMINATION OF ACCESSIBLE PARTS | N/A |
|---------|---|-------|
| V.1 And | Accessible parts of equipment | N/A |
| V.1.1 | General | N/A |
| V.1.2 | Surfaces and openings tested with jointed test probes | N/A |
| V.1.3 | Openings tested with straight unjointed test probes | N/A |
| V.1.4 | Plugs, jacks, connectors tested with blunt probe | N/A |
| V.1.5 | Slot openings tested with wedge probe | N/A |
| V.1.6 | Terminals tested with rigid test wire | N/A |
| V.2 | Accessible part criterion | o N/A |





Product Safety





| X | ALTERNATIVE METHOD FOR DETERMINING CLEARANCES FOR INSULATION IN CIRCUITS CONNECTED TO AN AC MAINS NOT EXCEEDING 420 V PEAK (300 V RMS) | N/A |
|------|--|-----|
| orek | Clearance: | N/A |

| Υ | CONSTRUCTION REQUIREMENTS FOR OUTDOO | R ENCLOSURES | N/A |
|------------|--|-----------------------|-----|
| Y.1 | General Annual A | Aupo. W. Potek | N/A |
| Y.2 | Resistance to UV radiation | k Anbor ak horek | N/A |
| Y.3 Anbore | Resistance to corrosion | otek Anbore Ann | N/A |
| Y.3.1 | Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by: | Anbotek Anbotek Anbo | N/A |
| Y.3.2 | Test apparatus | Anbor An hotek An | N/A |
| Y.3.3 | Water – saturated sulphur dioxide atmosphere | Anbore K Am | N/A |
| Y.3.4 | Test procedure: | k Aupoles Aupo | N/A |
| Y.3.5 | Compliance | otek Anboten Anbo | N/A |
| Y.4 | Gaskets | Lotek Anbotek Anbo | N/A |
| Y.4.1 | General Anbore | up otek vupotek Vupo. | N/A |
| Y.4.2 | Gasket tests | Anborek An | N/A |
| Y.4.3 | Tensile strength and elongation tests | Anbo. Lek abotek | N/A |
| Vupo, | Alternative test methods | Anbor Ak botek | N/A |
| Y.4.4 | Compression test | tek Yupo, yr Wotek | N/A |
| Y.4.5 | Oil resistance | botek Anbor K An | N/A |
| Y.4.6 | Securing means | shorek Anbore And | N/A |
| Y.5 | Protection of equipment within an outdoor enclos | ure hotek Anbotes Ant | N/A |
| Y.5.1 | General | Anboten Anboten | N/A |
| Y.5.2 | Protection from moisture | An otek Anbotek | N/A |
| Ande | Relevant tests of IEC 60529 or Y.5.3: | e. And stek Anbotek | N/A |
| Y.5.3 | Water spray test | poter And | N/A |
| Y.5.4 | Protection from plants and vermin | Anborek Anbo. Lek ab | N/A |
| Y.5.5 | Protection from excessive dust | unbotek Anbors Ans | N/A |
| Y.5.5.1 | General | Anbotek Anbott | N/A |
| Y.5.5.2 | IP5X equipment | ek obotek Anbote | N/A |
| Y.5.5.3 | IP6X equipment | ok botek Anbores | N/A |
| Y.6 | Mechanical strength of enclosures | or Ambotek Anbotek | N/A |
| Y.6.1 | General | Anbore Am | N/A |





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| rek n | hotek Anbo, A | botek IE | C 62368-1 | no otek on | botek Anh | 0. b. |
|--------|--------------------|-----------|------------|----------------|-----------|---------|
| Clause | Requirement + Test | An. hotek | Anboren | Result - Remai | rk notek | Verdict |
| upo | Anbotek Anbote | All | Anbotek | Anboatek | Anbotek | Anbore |
| Y.6.2 | Impact test | box | ek nabotet | August | botek | N/A |









| No.k | Anbotek Anbote | p.n. botek | IEC 62368-1 | Anioo | anbotek | Aupore | rek bu |
|--------|-------------------|------------|-------------|------------|---------|--------|---------|
| Clause | Requirement + Tes | ok hotel | k Anborer | Result - F | Remark | Aup, | Verdict |

| 5.2 | TABLE: Classification of electrical energy sources | | | | | | Vupb. |
|-------------------|--|---------------|------------|---------------------------|-------------|----------------------------------|-------|
| Supply Voltage | | | Parameters | | ES Class | | |
| vollage | circuit designation) | | U (V) | I (mA) Type ¹⁾ | | Additional Info ²⁾ | Class |
| hotek Ar | ibote. And otek | Normal | 12.01Vdc | - N | otek SS Ant | Ole. Thur | rek |
| 12Vdc | Input terminal | Abnormal: | Aupo, | - Du. | SS | rupoter. Tu | ES1 |
| And | Anborek Anbo | Single fault: | -Aupore | T | SS | Anbotek | bupo, |

Supplementary information:

- 1) Type: Steady state (SS), Capacitance (CP), Single pulse (SP), Repetitive pulses (RP), etc.
- 2) Additional Info: Frequency, Pulse duration, Pulse off time, Capacitance value, etc.

| 5.4.1.8 | TABLE: Working volta | ige measureme | nt Anbou | hotek | N/A |
|-----------|----------------------|--------------------|---------------------|-------------------|------------|
| Location | | RMS voltage (V) | Peak voltage (V) | Frequency (Hz) | Comments |
| k Aup. | or Air | upoter Aup. | rek - nbo | lek Hupou | K Polek Tu |
| Supplemen | ntary information: | anbotek A | upo. | hotek Anbot | And Stek |

| 5.4.1.10.2 | TABLE: Vicat soft | ABLE: Vicat softening temperature of thermoplastics | | | | | |
|-------------|---|---|-----|---------------|---------|-------|--|
| Method | | | : | ISO 306 / B50 | Anbotek | _ | |
| Object/ Par | Object/ Part No./Material Manufacturer/trademark Thickness (mm) | | | | | | |
| - And | tek nbotek | Aupo, or Williams | þ.s | hote Ann | · Nock | ek Au | |
| Supplement | tary information: | Anbore. And hotek | | Anbotek Anbo | rek al | potek | |

| 5.4.1.10.3 | TABLE: Ball pre | essure test of the | rmopla | stics | | upotek Aupo. | No. | N/A |
|---|------------------|--------------------|--------|-----------|--------|-----------------------|--------------|----------------------|
| Allowed impression diameter (mm) ≤ 2 mm | | | | | | | | |
| Object/Part | No./Material | Manufacturer/trac | lemark | Thickness | (mm) | Test temperature (°C) | Imp diame | ression eter (mm) |
| Anb | ook about | K AUPOLO | Vien | otek | Anbote | Anbo rok | 0/0 | 012× |
| Supplement | ary information: | otek Anbote | b'u | , ek | abo | stek Anbo. | h., | Lotek |

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| 40K | nbotek | Anborrak | porek. | IEC 62368-1 | Aup | Anborek | Pupo. | Pt. |
|--------|--------|---------------|--------|-------------|----------|---------|-------|---------|
| Clause | Requi | rement + Test | Pir. | Anboren | Result - | Remark | Anb | Verdict |
| 700, | P. | V | VLID | 18/ | 700, | P. | V | 1-070 |

| 5.4.2, 5.4.3 | TABLE: I | Minimum Cl | earances/ | Creepag | e distance | Anbo | otek | vupotek | N/A |
|-------------------------------|----------|--------------------|-------------------------|-----------------|------------------|------------|------------------------|------------------|------------|
| Clearance (creepage district) | stance | U _p (V) | U _{rms} (V) | Freq 1) (Hz) | Required cl (mm) | cl (mm) | E.S. ²⁾ (V) | Required cr (mm) | cr (mm) |
| Ole VU | otek | Anbotek | Aup. | t - | potek P | upote- | bur. | ak anb | otek P |

Supplementary information:

- 1) Only for frequency above 30 kHz
- 2) Complete Electric Strength voltage (E.S. (V) when 5.4.2.4 applied)

| 5.4.4.2 | TABLE: Minimur | : Minimum distance through insulation | | | | | Vupole | N/A |
|--------------------------|-------------------|---------------------------------------|----------------|--------|--------|-------------------|-----------|--------------------|
| Distance the (DTI) at/of | rough insulation | Pea | ık voltage (V) | Insula | tion | Required DTI (mm) | Mea | asured DTI (mm) |
| nbotek | Aupo. Ar. | hotek | Artborer 1 | rup. | nbotek | Pupo. | K | hotek |
| Supplemen | tary information: | horek | Anboten | Anbo | - abo | Hek Anbore | \ <u></u> | Air. Potek |

| 5.4.4.9 | TABLE: Solid in | sulation a | t frequencies | >30 kHz | ok bu | stek Anbr | N/A |
|------------|---------------------|------------|-----------------|-----------------------|------------------|------------|-----------------------|
| Insulation | material | E P | Frequency (kHz) | K _R | Thickness d (mm) | Insulation | V _{PW} (Vpk) |
| -botek | Anbore. And | otek | photek P | 1,00. h | abolak | Anbore V | Pur - Diek |
| Suppleme | entary information: | up. | anbotek | Anbo. | hotek | Anbore | Aug stek |

| 5.4.9 | TABLE: Ele | ectric strengt | h tests | abotek | Anbore | An | otek ant | otek | N/A |
|-------------|----------------|----------------|---------|-----------|-----------------------------------|--------|------------|------|-------------------|
| Test voltag | e applied betv | ween: | | (Surge, I | ge shape mpulse, AC , etc.) | | oltage (V) | | akdown es / No |
| ,obo12 | Pri. Potek | Anboten | Anb | 10.0 | orek b | upoz | - Notek | | ingoter. |
| Supplemen | tary informati | on: Anbotek | Anbo | rek h | obotek | Anbore | Ans | N. | anbotek |

| 5.5.2.2 | TABLE: Sto | red discharge o | on capacitors | o. A. | otek Anbot | N/A |
|--------------|-----------------|-----------------------|----------------------------------|-----------------|------------------------------|----------|
| Location | Su | pply voltage (V) | Operating and fault condition 1) | Switch position | Measured voltage (Vpk) | ES Class |
| 100 POK | abotek | Aupoin Mi | notek Anboten | Aug. | nbotek. | Aupor |
| Supplement | ary information | on: Anbole | And Anbore | k Aupo. | k abotek | Anbore |
| X-capacitors | s installed for | testing: | | | | |
| ☐ bleeding | resistor ratin | g: _{Anbotek} | | | | |
| ICX: | | | | | | |

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| sek a | nbotek | Auports. | hotek -botek | IEC 62368-1 | Anbo. niek | Anbotek. | Aupore | P.C. |
|--------|--------|--------------|--------------|-------------|------------|----------|--------|---------|
| Clause | Requi | rement + Tes | st sol | ek Anboten | Result - | Remark | Anb | Verdict |
| 700, | P. | V 1-0 | IO. VIII | 10 | k 700, | P. | V | 1010 C |

1) Normal operating condition (e.g., normal operation, or open fuse), SC= short circuit, OC= open circuit

| 5.6.6 | TABLE: Resistance of protective conductors and terminations | | | | | | |
|-----------|---|------------------|-------------------|---------------------|----------------|--|--|
| Location | | Test current (A) | Duration (min) | Voltage drop (V) | Resistance (Ω) | | |
| lo. | abovek Anbov | Air. | Anboten Anbe | ek -nbotek | Aupor - K | | |
| Supplemen | ntary information: | Ans | Anbotek Anbo | .ek abotek | Anbore | | |

| 5.7.4 | TABLE: Unearthed accessible parts | | | | | | |
|-----------|-----------------------------------|----------------------------------|-------------|---|---|---------------|---------|
| Location | | Operating and | Supply | F | | ES | |
| | | fault conditions | Voltage (V) | Voltage (V _{rms} or V _{pk}) | Current (A _{rms} or A _{pk}) | Freq. (Hz) | class |
| bapon -k | bu. | ek Aupoter | Aug tek | abotek Ar | 100, - bi. | otek | Anboten |
| Supplemen | | rmation: short circuit; OC= o | nen circuit | Anbotek | Anboro An | Anbotek | Anbotel |

| 5.7.5 | TABLE: Earthed access | ible conductive part | ib- | N/A | | | | |
|--------------|-----------------------|--|--------------------|--------------|--|--|--|--|
| Supply vo | oltage (V): | hotek Anbotek And stek anbotek Ar | | | | | | |
| Phase(s) | notek Anbott | [] Single Phase; [] Three Phase: [] Delta [] Wye | | | | | | |
| Power Di | stribution System: | □ TN □ TT □ IT □ IT □ IT □ IT □ IT □ IT | | | | | | |
| Location | | Fault Condition No in IEC 60990 clause 6.2.2 | Touch current (mA) | Comment | | | | |
| 4 <u>0</u> 4 | upotek Aupo, W. | botek Arbote An | otek - onb | Jek Aupo, W. | | | | |
| Suppleme | entary Information: | hotek Anboren | And | nbotek Anbor | | | | |

| 5.8 | TABLE: | : Backfeed s | afeguard in battery | backed up s | upplies | Auport | N/A |
|--------------------------|--------|--------------------|-------------------------------|-------------|--------------------------|-------------------|------------------|
| Location | | Supply voltage (V) | Operating and fault condition | Time (s) | Open-circuit voltage (V) | Touch current (A) | ES Class |
| - PUL | _xek | nbotek. | Aupo, - W. Poly | K Anbot | -Anto | rek - nbo | iek An |
| Suppleme Abbreviation | pole. | | C= open circuit | otek Ani | ootek Anbe | hbotek Ar | ibotek -botek |

| 6.2.2 | ABLE: Power sourc | rek abotek | Anboro | Photo | | | |
|-----------------|-------------------------------|------------|--------|------------------------------|----------|----------|--|
| Location | Operating and fault condition | • · · / | | Max. Power ¹⁾ (W) | Time (S) | PS class | |
| Internal circui | t Normal | Anbore And | otek- | >15W&<100W | 5 | PS2 | |







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| No.k | Anbotek Anbote | p.n. botek | IEC 62368-1 | Anioo | anbotek | Aupore | rek bu |
|--------|-------------------|------------|-------------|------------|---------|--------|---------|
| Clause | Requirement + Tes | ok hotel | k Anborer | Result - F | Remark | Aup, | Verdict |

Supplementary information:

Abbreviation: SC= short circuit; OC= open circuit

1) Measured after 3 s for PS1 and measured after 5 s for PS2 and PS3.

| 6.2.3.1 | TABLE: Determ | ination of Arcing PIS | Anbotek Anbe | tek spotek | N/A |
|-----------|--------------------|--------------------------------------|----------------------------|------------------|-------------------------|
| Location | | Open circuit voltage after 3 s (Vpk) | Measured r.m.s current (A) | Calculated value | Arcing PIS? Yes / No |
| - Anbore | k Aupo. | hotek Anbote | Ann- | Anbotek Anbot | - Pr. |
| Supplemen | ntary information: | Arr. Potek Aup. | Her And | abotek Anb | O. 1711. |

| 6.2.3.2 | TABLE: Deter | mination of res | sistive PIS | Aupon | ok do | otek | Anbore P |
|--------------|-------------------|-----------------|---------------------|-------|--------------|--------|------------------------|
| Location | | Operating a | and fault condition | n Dis | sipate power | (W) | Arcing PIS Yes / No |
| All internal | circuits | Yu. | Anbotek A | upo | -botok | Anbore | Yes |
| Supplemen | tary information: | And | nbotek | Aupor | hotek | Anb | Die. An |
| Abbreviatio | n: SC= short circ | cuit; OC= open | circuit | | | | |

| 8.5.5 | TABLE: High pr | essure lamp | No. | abotek Anbo | Ans | N/A |
|----------|---------------------|-------------|------------------|------------------|-------------------------------------|--|
| Lamp ma | nufacturer | Lamp type | | Explosion method | Longest axis of glass particle (mm) | Particle found beyond 1 m Yes / No |
| E_ Aup | or Air hotek | Anboten | VUP | tek upotek | Aupor Ar | notek- |
| Suppleme | entary information: | k subotek | b'U _l | ok hotek | Anboro | Arr. Stek |

| 9.6 | TABLE | : Tempera | ture meas | ureme | nts f | for wireles | s power t | ransmitter | 'S | N/A |
|--------------|------------|--------------|--------------|-------------|-------|---------------------|----------------|--------------------|----------------|-----------------------|
| Supply volta | age (V) | | | : po | ek | Anbore | N. W. | hotek | Anboren | _ |
| Max. transm | nit power | of transmi | tter (W) | : - | botel | Anb | ok b | hotek | Anbote | _ |
| | | | | | | iver and contact | with recei | ver and at of 2 mm | | ver and at of 5 mm |
| Foreign o | bjects | Object (°C) | Ambient (°C) | Obje (°C | | Ambient (°C) | Object (°C) | Ambient (°C) | Object (°C) | Ambient (°C) |
| Pupo, | bu. | <u>k</u> put | 10ter 1 | "Up. | ak. | nbotek | Anbo | Dr. | horek | Augoten. |
| Supplement | ary inforr | nation: | Tupoter. | Aupo | *eK | nbo | tek Ar | 100,0 | Air | Anbote |







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| No.k | Anbotek Anbote | p.n. botek | IEC 62368-1 | Anioo | anbotek | Aupore | rek bu |
|--------|-------------------|------------|-------------|------------|---------|--------|---------|
| Clause | Requirement + Tes | ok hotel | k Anborer | Result - F | Remark | Aup, | Verdict |

| 5.4.1.4, 6.3.2, 9.0, B.2.6 | TABLE: Temperature measure | ements | Anbotek Anbotek | Anbotek Anbotek | Anbotek Anbot | k Vupoy |
|----------------------------------|----------------------------|--------|--------------------|--------------------|------------------|----------------------------------|
| | Supply voltage (V) | See b | pelow wood | - Pun | rek na | |
| | Tma (°C) | 25.0 | Adjust to 40 | Potek Vur | hbotek | |
| Maximum m part/at: | easured temperature T of | | Т (° | C) | | Allowed T _{max} (°C) |
| PCB near U | 4 Annual Andotek | 54.1 | 69.1 | Aupole | bu. | 130 |
| L5 winding | And otek Anbotek | 54.4 | 69.4 | Alpoter | P.U.P. | 130 |
| PCB near U | 6 rek nabotek | 54.8 | 69.8 | el Anbo | - AUD | 130 |
| PCB near U | Znbotek Anbo tek nbot | 51.8 | 66.8 | notek - Ar | lootek I | 130 |
| Input wire | Anborek Anbo. A. | 46.0 | 61.0 | otek- | nbotek | 80 |
| PCB near U | 10 nbotek Anbot An | 44.2 | 59.2 | PUD | abotek | 130 |
| Enclosure in | nside near PCB | 48.6 | 63.6 | Vupo. | -botel | Ref |
| Enclosure or | utside near PCB | 45.9 | Antrotek | Aupora | alt ab | 60* N |
| LED lamp | John Ambotek Anbotek | 32.5 | k -nboth | Anbo. | ok - | Ref. |
| Ambient | Anbore Anborek Anbore | 25.0 | 40.0 | olek - Mul | ocies b | notak |

Supplementary information:

*means surfaces touched in normal use (> 1s and < 10s).

| 3 | Temperature T of winding: | t ₁ (°C) | R ₁ (Ω) | t ₂ (°C) | $R_2\left(\Omega\right)$ | T (°C) | Allowed T _{max} (°C) | Insulation class |
|---|---------------------------|---------------------|--------------------|---------------------|--------------------------|--------|-------------------------------------|------------------|
| 2 | tek abotek Anbor | Pr. | otek | Anboten | MUD. | abo | ek bu | 100, |

Supplementary information:

Note 1: Tma should be considered as directed by appliable requirement

Note 2: Tma is not included in assessment of Touch Tem0peratures (Clause 9)

Note 3:The EUT supply by 12V DC source







| Nok I | inbotek Anbotek | Anv | IEC 62368-1 | Anbo. otek | Anbotek. | Aupore | rak bur |
|--------|--------------------|-----------|-------------|------------|----------|--------|---------|
| Clause | Requirement + Test | Ar. hotek | Anboten | Result - | Remark | Aup, | Verdict |

| Y M | | 1-010 | O'LL | 10 | 700 | he. | V. | 010 | D'LI. |
|-----------|-------------------------|-------------|--------------------|--------|-------------------------------|-----------------------------|------------------------------|---|-----------------------------------|
| B.2.5 | TAB | LE: Input | test | | | | | rek | Pabot |
| U (V) | Hz | I (A) | I rated (A) | P (W) | P rated (W) | Fuse No | I fuse (A) | Conditi | on/status |
| Whole inp | ut | k Aupo | otek Pul | otek P | nbore And | nbotek | Anbotek | Anbo | tek |
| 12VDC | Anbor Anb | 1.831 | Anbotek Anbotek | 21.97 | Anbotek Anbotek Anbotek | Anbotek Anbotek Anbot | Anbore Anbore | The proposers of the powered DC sour 12VDC, product working | d by a rce of the normal |
| 12VDC | otek Anbotel Anbr | 2.493 | potek 3 | 29.92 | Anbotek Anbotek Anbotek | ootek Anbotek Anbotek | Anbotek Anbotek Anbotek | The pro powered DC sout 12VDC, product working | d by a rce of the normal |
| Camera in | put | Anbotek | Anbore | k And | ek Anbotek | ak Anbo. | otek A | nbotek | Anbore |
| 12VDC | otek Inbotek Anbo | 0.138 | 0.4 | 1.656 | Anbotek Anbot Anbotek | Anborek Anborek | nbotek Anbotek Anbotek | The pro powered DC soul 12VDC, product working | d by a rce of the normal |
| Suppleme | ntary i | information | aborek | Anbore | k rojek | Anbore | AUD | *ek | abotel |

| B.3, B.4 TA | BLE: Abnormal op | erating | and fault | condition | tests | Anbotek Anbo Lak P |
|------------------|------------------------------|--------------------|--------------|--------------------|------------------------|---|
| Ambient tempe | rature T _{amb} (°C) | , botek | PUP, | O. V. | 25.0 | Anbotek Anbo |
| Power source f | or EUT: Manufactur | er, model | /type, out | putrating: | DC source | e napotek An — |
| Component No. | Condition | Supply voltage (V) | Test time | Fuse no. | Fuse current (A) | Observation |
| U7 pin 1-5 | S-C | 12VDC | 10mins | iek Aupo, | otek by | Unit shut down immediately no hazard, no damaged, no explosion. |
| U7 pin 4-5 | S-C Anbotek | 12VDC | 10mins | Anbotek Anbotek | Anbo Anbotek | Unit normal working, no hazard, no damaged, no explosion. |
| R47 | S-C Anbo | 12VDC | 10mins | Anbote | k Anb | Unit normal working, no hazard, no damaged, no explosion. |
| C106 | S-C | 12VDC | 10mins | ek - Aut | or l | Unit shut down immediately no hazard, no damaged, no |









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| | | botek IE | C 62368-1 | | |
|----------|--------------------|--------------|------------|------------------|--------------|
| Clause | Requirement + Tes | t hotek | Anbotek | Result - Remark | Verdict |
| 'po, | abotek Anbor | Am otek | Anbotek | Anbo. sek shotel | Anboro |
| Aupore | botek Ant | poten Amb | ek nabotek | explosion. | otek Anboten |
| Suppleme | ntary information: | Anborer Anbr | ek abote | K Anbore An | notek anbot |

| M.3 | TABLE: Pr | otection circu | iits for batteri | es provid | ed withir | the eq | uipment | N/A |
|----------------|----------------------------|-------------------------|-------------------------|---------------|----------------|---------------|--------------|-------------------------|
| Is it possible | to install the | battery in a re | verse polarity | position?. | hotel | r Pi | hole, b | — |
| | | | - | Cł | narging | | | |
| Equipment S | W. 1 | | | | | Current (A) | | |
| | | Anbo | k. | , nbot | P | 'Un | hotek | Anbo |
| | | | | Battery | specificat | tion | | |
| | Non-rechargeable batteries | | | | Rec | hargeab | le batteries | |
| | | Discharging | Unintentional | (| Charging | | Discharging | Reverse |
| Manufact | turer/type | current (A) | charging current (A) | Voltage | (V) Cur | rent (A) | current (A) | charging current (A) |
| - HOK | Anbore | -An- | hotel | -Aupo | F.C. | rek | npore | bu- |
| Note: The tes | sts of M.3.2 a | re applicable o | nly when abov | e appropri | ate data i | s not ava | ailable. | |
| Specified ba | ttery tempera | ature (°C) | Anv | 477 | otek | Vupo. | ek pot | ek |
| Component No. | Fault condition | Charge/ discharge mo | Test time | Temp. (°C) | Current (A) | Voltag (V) | e Obse | ervation |
| <u> </u> | -stek | Viso, VI | -at | Poles. | -AUDO | | - rek | Auport |
| -coter p | 100 | rek | - nbci- | | 50 | (B) C | VLD- | rek |

Supplementary information:

Abbreviation: SC= short circuit; OC= open circuit NL= no chemical leakage; NS= no spillage of liquid; NE= no explosion; NF= no emission of flame or expulsion of molten metal.

| 12 | ABLE: attery | Charging saf | eguards for | equipment c | ontaining a s | econdary lithium | N/A | |
|----------------|--------------|---------------------|----------------------|----------------------|---------------|------------------|------|--|
| Maximum spe | cified ch | narging voltage | e (V) | Botek | Anbore | Pir- | _ | |
| Maximum spe | cified ch | narging curren | t (A) | | k Aupore | Ann | | |
| Anbores | Anbo | otek Anbo | tek Vupo, | rok wo | otel Anbo | les Augs | | |
| Lowest specifi | ied char | ging temperat | ure (°C) | po, b. | hotek Ar | bote. And | 4 | |
| Battery | | Operating | | Measurement | | Observati | | |
| manufacturer/t | type | and fault condition | Charging voltage (V) | Charging current (A) | Temp. (°C) | | | |
| -boten | 100 | otek | Aupo, | Pr. | bote | Anu | 0,40 | |

Supplementary information:

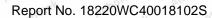
Abbreviation: SC= short circuit; OC= open circuit; MSCV= maximum specified charging voltage; MSCC= maximum specified charging current; HSCT= highest specified charging temperature; LSCT= lowest specified charging temperature













| stek ant | otek Anborn | An abotek | IEC 62368-1 | Auprotek | anbotek | Aupon | rak Pu |
|----------|--------------------|------------|-------------|------------|---------|-------|-----------|
| Clause | Requirement + Test | Air. Potel | Anboren | Result - F | Remark | Anb. | Verdict |

Repeat the test 3 times, all the test results are the same.

| Q.1 And | TABLE: Circuits intended for interconnection with building wiring (LPS) | | | | | | | | | |
|---------|---|---------------------|----------|---------------------|---------|---------|-------|--|--|--|
| Output | Condition | 11 00 | Time (a) | I _{sc} (A) | | S (VA) | | | | |
| Circuit | Condition | U _{oc} (V) | Time (s) | Meas. | Limit | Meas. L | Limit | | | |
| hotek | Anbore - An | -nbotek | 4nb0 | - h | notek p | upole | Au- | | | |

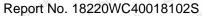
| T.2, T.3, T.4, T.5 | TABLE | E: Steady force test | Anbot | ek Anbo | botek | Anbotek | N/A |
|-----------------------|----------|----------------------|-----------------|--------------------|--------------|-------------------------|------------------------|
| Part/Location | า | Material | Thickness (mm) | Probe | Force (N) | Test Duration (s) | Observation |
| Top enclosu | re Ambo | botek Anbotek | See table 4.1.2 | Anbotek Anbotek | 250 | tek 5 Anb | No damaged, no hazard. |
| Bottom encl | osure | See table 4.1.2 | | k Aupot | 250 | 5 _k | No damaged, no hazard. |
| Side enclosu | ure | Anborek Anbo | | ofe An | 250 | An 50 tel | No damaged, no hazard. |
| Supplementa | ary info | rmation: | 100k | hotek | Anborek | Anb | tek anbotek |

| T.6, T.9 TABLE: Im | pact test | PLU _D | stek and | otek Anbout P |
|---------------------------|-------------------|------------------|-------------|------------------|
| Location/part | Material | Thickness (mm) | Height (mm) | Observation |
| Her And | botek Asbore A | · otek | Aupoter. | And - abotek |
| upotek Pupos | -botek Anboten | Anbonetek | Antotek | Aupor |
| upotek Anbore | Ann botek Anbotek | Anbo | -nbotek | Anbor - An botek |
| Supplementary information | on: Ambotel | Anbo | ak abo | Hek Aupore Ann |

| T.7 TABLE: Dr | op test | | | N/A M |
|------------------|-------------------|--------------------|-------------|------------------------|
| Location/part | Material | Thickness (mm) | Height (mm) | Observation |
| Top enclosure | Arr. otek Anbotek | Anbe | 1000 | No damaged, no hazard. |
| Bottom enclosure | See table 4.1.2 | See table 4.1.2 | 1000 | No damaged, no hazard. |
| Side enclosure | Anbo ok bo | ek Anbor | 1000 | No damaged, no hazard. |







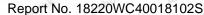


| No.k | Anbotek Anbote | p.n. botek | IEC 62368-1 | Anioo | anbotek | Aupore | rek bu |
|--------|-------------------|------------|-------------|------------|---------|--------|---------|
| Clause | Requirement + Tes | ok hotel | k Anborer | Result - F | Remark | Aup, | Verdict |

| Anborek Anbe | | | est | : Stress relief to | T.8 TABLE |
|------------------------|-----------------|-----------------------|--------------------|--------------------|---------------------------------------|
| n Observation | Duration (h) | Oven Temperature (°C) | Thickness (mm) | Material | Location/Part |
| No damaged, no hazard. | An Zoten | obotek 70 Ambotek | See table 4.1.2 | See table 4.1.2 | Plastic enclosure |
| uje | And | hotek Anbotek | ~0~ | 4.1.2 | Plastic enclosure Supplementary infor |

| X hotek | TABLE: Alternat | TABLE: Alternative method for determining minimum clearances distances | | | | | | | |
|--------------------|--------------------|--|-----------|------------------|------|--------------|------|--|--|
| Clearance between: | distanced | Peak of working (V) | g voltage | Required of (mm) | I | Measu (mi | | | |
| ek Anb | one And work | Anboren - | Anbe | abotok | Anbo | bus. | otek | | |
| Supplemen | ntary information: | ak Anborek | Anbo. | ak hotek | P.C | pore. An | riek | | |







| Hek Ar | potek Anbots | Ansabotek | IEC 62368-1 | Auporatek | anbotek | Anbo. | rak bu |
|--------|--------------------|-----------|-------------|------------|---------|-------|---------|
| Clause | Requirement + Test | Pi. Potel | Anborer | Result - I | Remark | Anb | Verdict |

| 4.1.2 T | ABLE: Critical compo | onents information | n Anborek Ant | orek upo | Yek Mupotes |
|----------------------|--|--------------------|----------------------------------|----------|-------------------------------------|
| Object / part No | o. Manufacturer/ trademark | Type / model | Technical data | Standard | Mark(s) of conformity ¹⁾ |
| Plastic Enclosure | FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV | AC230(+) | Min. thickness 1.5mm, HB,60°C | UL 94 | UL E162823 |
| PCB | Shenzhen Huaqiu Electronics Co Ltd | HQPCB-4(ASP 1) | V-0, 130°C | UL 796 | UL E469747 |
| -Alternative | Interchangeable | Interchangeable | V-0, 130°C | UL 796 | UL AM |
| Internal wire | Global Technology Wire Co Ltd | 2464 | Min. 26AWG, 80°C,300V | UL 758 | UL E363454 |

Supplementary information:



¹⁾ Provided evidence ensures the agreed level of compliance. See OD-2039.

²⁾ Description line content is optional. Main line description needs to clearly detail the component used for testing.



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| hotek | rupo. tek | IEC62368_1E- ATTACH | HMENT | anbotek Ar |
|--------|-----------|---------------------|-----------------|------------|
| Clause | Aupo | Requirement + Test | Result - Remark | Verdict |

ATTACHMENT TO TEST REPORT

IEC 62368-1

EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

(Audio/video, information and communication technology equipment - Part 1: Safety requirements)

Differences according to EN IEC 62368-1:2020+A11:2020

Attachment Form No.....: EU_GD_IEC62368_1E

Attachment Originator: UL(Demko)

Master Attachment 2021-02-04

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| | CENELEC COMMON MODIFICATIONS (EN) | nbo'P' |
|---------------------|--|--------------|
| Anbote ^k | Clause numbers in the cells that are shaded light grey are clause references in EN IEC 62368-1:2020+A11:2020. All other clause numbers in that column, except for those in the paragraph below, refers to IEC 62368-1:2018. Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 62368-1:2018 are prefixed "Z". | Anborek Anbo |
| horo | Add the following annexes: | nbotek P |
| | Annex ZA (normative) Normative references to international publications with their corresponding European publications | Anbotek |
| | Annex ZB (normative) Special national conditions | Anbo |
| | Annex ZC (informative) A-deviations | Aupo |
| | Annex ZD (informative) IEC and CENELEC code designations for flexible cords | rek An |
| l | Modification to Clause 3 . | N/A |
| 3.3.19 | Sound exposure Replace 3.3.19 of IEC 62368-1 with the following definitions: | N/A |









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| , P. | IEC02308_TE | - ATTACHME | All Projek | anboro |
|-----------------|--|---|---------------------------------|--------------------|
| Clause | Requirement + Test | An Anbotek | Result - Remark | Verdic |
| .3.19.1 | momentary exposure level, MEL | nbotek | Aupo, W. Potek | N/A |
| Anbore Anbor | metric for estimating 1 s sound exposure the HD 483-1 S2 test signal applied to bo based on EN 50332-1:2013, 4.2. | | | otek Anbo |
| | Note 1 to entry: MEL is measured as A-weighted le | evels in dB. | | Anb |
| | Note 2 to entry: See B.3 of EN 50332-3:2017 for a information. | 1-01 | | Anbo, abotek |
| 3.19.3 | sound exposure, E | ek Anbote | Anborek Anbore | N/A |
| | A-weighted sound pressure (p) squared integrated over a stated period of time, 7 | | | otek An |
| | Note 1 to entry: The SI unit is Pa^2 s. | Anbotek A | | inpoter potek |
| | $E = \int_{0}^{\infty} p(t)^{2} dt$ | Anbotek Anbotek | | Anhotek |
| 3.19.4 | sound exposure level, SEL | Sk Pupore | ek botek Anbote | N/A |
| | logarithmic measure of sound exposure reference value, E_0 , typically the 1 kHz threshold of hearing in humans. | relative to a | | nbotek nbotek |
| | Note 1 to entry: SEL is measured as A-weighted le | evels in dB. | | Anbotek |
| | $SEL = 10 \lg \left(\frac{E}{E_0}\right) dB$ | k Anbotek | | tek Anbote |
| | Note 2 to entry: See B.4 of EN 50332-3:2017 for a | additional | | ibotek [|
| .3.19.5 | information. digital signal level relative to full scale | e. dBFS | Anbo otek Anbotek | N/A |
| | levels reported in dBFS are always r.m.s level, 0 dBFS, is the level of a dc-free 98 Hz sine wave whose undithered positive is positive digital full scale, leaving the corresponding to negative digital full sca | s. Full scale 97- e peak value ode | | ek Anborek |
| hotek Ar | Note 1 to entry: It is invalid to use dBFS for non-r.r Because the definition of full scale is based on a s level of signals with a crest factor lower than that c may exceed 0 dBFS. In particular, square wave signals, 11 dBFS. | sine wave, the of a sine wave | Anbotek Anbotek Anbotek Anbotek | Anbotek Anbotek |
| | Modification to Clause 10 | | | N/A |
| 0.6 Ambot | Safeguards against acoustic energy see Replace 10.6 of IEC 62368-1 with the following | | otek Anbotek Anbot | N/A |
| | Introduction | 2010.A. | 195- | De la |









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| -014 | IEC62368_1E- ATTA | DI. | Aboton Al | Up. |
|--------|--|----------------------|---------------|----------|
| Clause | Requirement + Test | rek Arribo Re | sult - Remark | Verdic |
| Anhore | Safeguard requirements for protection against I | ong- | Vu. | abotek |
| | term exposure to excessive sound pressure | Jilg- | | bee |
| | | lodbots. An | | anbo |
| | levels from personal music players closely coup | ed | | |
| | to the ear are specified below. Requirements | nbore | | IGH DI |
| | for earphones and headphones intended for use | with | | .\/- |
| | personal music players are also covered. | Aupo. | | pore. |
| | A personal music player is a portable equipmen | v week | | 400 |
| | intended for use by an ordinary person , that: | AUD | | VUPOL |
| | Anbo Antone Antone Antone | not | | Net Yel |
| | is designed to allow the user to listen to audio | or | | Aupo |
| | audiovisual content / material; and | ich wi | | 100 |
| | - uses a listening device, such as headphones | or | | VUD |
| | earphones that can be worn in or on or | rek | | No. |
| | around the ears; and | Anbo | | Die |
| | has a player that can be body worn (of a size | hotek | | 484 |
| | suitable to be carried in a clothing pocket) and | BUR | | bo. |
| | is intended for the user to walk around with whil | Win aboter | | rek |
| | | 3 111 | | AUD |
| | continuous use (for example, on a street, | stek supore | | hotek |
| | in a subway, at an airport, etc.). | ,0 | | Pres |
| | EXAMPLES Portable CD players, MP3 audio players, mobil | a motel and | | rodr |
| | phones with MP3 type features, PDAs or similar equipment. | | | Dr. |
| | prioritos war im o typo roataroo, i 27 to or ominiar oquipmona. | poter t | | 14 201 |
| | Personal music players shall comply with the | Arriv | | |
| | requirements of either 10.6.2 or 10.6.3. | abore. | | 046/ |
| | requirements of either 10.0.2 of 10.0.3. | pr. | | |
| | NOTE 1 Protection against acoustic energy sources from te | ecom | | aboter |
| | applications is referenced to ITU-T P.360. | ote! | | rok. |
| | stek unbore And | oter Aupo | | alpore |
| | NOTE 2 It is the intention of the Committee to allow the alte | native | | 46 |
| | methods for now, but to only use the dose measurement method as given in 10.6.5 in future. Therefore | upote. Viun | | Anbo |
| | manufacturers are encouraged to implement 10.6.5 as soor | | | 4 |
| | possible. | Aupole A | | AND |
| | Arra ok botek Anbo | rek | | 2/0. |
| | Listening devices sold separately shall comply v | /ith ⋈ | | ofe ! |
| | the requirements of 10.6.6. | hotek | | Yex |
| | These requirements are valid for music or video | AME | | 'upo, |
| | mode only. | tek spoten | | - Stell |
| | The requirements do not apply to: | Pit. | | MUDO. |
| | - professional equipment; | stek nobo | | hotel |
| | proroccional oquipment, | 100 | | Dies |
| | NOTE 3 Professional equipment is equipment sold through | MOJEK AT | | - 200 |
| | special sales channels. All products sold through | And | | bri |
| | normal electronics stores are considered not to be profession | nal o ^{ten} | | rek n |
| | equipment. | Die. | | |
| | ak hotek Anbo. A. Lek | abote | | polek |
| | hearing aid equipment and other devices for | br. | | /V |
| | assistive listening; | lek Pupore | | poter |
| | - the following type of analogue personal music | | | bu |
| | players: | hotek Anbo. | | s above. |
| | • long distance radio receiver (for example, a | W | | by. |
| | multiband radio receiver or world band radio | abover An | | anbo |
| | receiver, an AM radio receiver), and | PI, | | |
| | | anboro | | OK DI |
| | cassette player/recorder; | bu. | | ν. |
| | NOTE 4 This exemption has been allowed because this | abor | | -048E |







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| Clause | Requirement + Test | Result - Remark | Verdict |
|--------------------|--|----------------------------|-------------|
| Anbotek Anbotek | And tek upo, A. | | 71, |
| | I to about a falling out of use and it is avacated that | otek Anbores Anb | ok botek |
| | technology is falling out of use and it is expected that within a few years it will no longer exist. This exemption w extended to other technologies. | ill not be | ootek Anbo |
| | - a player while connected to an external amp | lifier Andrew | abotek Ar |
| | that does not allow the user to walk around while in use. | inbotek Anbor | Anbotsk |
| | For equipment that is clearly designed or intenprimarily for use by children, the limits of the | ded | Anbotek |
| | relevant toy standards may apply. | Inbotes Anbotek Anbote | k Yupo, |
| | The relevant requirements are given in EN 71-1:2011, 4.20 and the related tests meth and measurement distances apply. | ods | Jupotek Vun |
| 0.6.1.2 | Non-ionizing radiation from radio frequence | es in | N/A |
| J.O. 1.2 | the range 0 to 300 GHz | stek Anbotek Anbotes | IN/A |
| | The amount of non-ionizing radiation is regular European Council Recommendation 1999/519 | | k whotek |
| | 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to the state of the state | ne hotel Anbors An | otek Anboth |
| | GHz). | anboten Anbo | obotek Ant |
| | For intentional radiators, ICNIRP guidelines sh be taken into account for Limiting Exposure to | Time- | anbotek |
| | Varying Electric, Magnetic, and Electromagnet Fields (up to 300 GHz). For hand-held and boo | dy And | Anborek |
| nbore | mounted devices, attention is drawn to EN 503 and EN 50566. | 660 | Aupoten |
| 0.6.2 | Classification of devices without the capac | ity to estimate sound dose | N/A |
|).6.2.1 | General | holek Anbort An | N/A |
| | tek Anbor An otek Anboren | And Ak botek Ar | upo, bi. |
| | -usk shotek Anbu k matek | And And | abotek p |
| | This standard is transitioning from short-term be (30 s) requirements to long-term based (40 ho | ur) | Anborek |
| | requirements. These clauses remain in effect of for devices that do not comply with sound dose | | Anbotek |
| | estimation as stipulated in EN 50332-3. | Anborek Anbor An | rek Anbore |
| | For classifying the acoustic output $L_{Aeq, T}$, | abolen Ando | hotek Anb |
| | measurements are based on the A-weighted equivalent sound pressure level over a 30 s pe | eriod. | Anbotek A |
| | For music where the average sound pressure | | Anbolek |
| | term L_{Aeq} , τ) measured over the duration of the is lower than the average produced by the | potek Anbo K hotek | Anbotek |
| | programme simulation noise, measurements no done over the duration of the complete song. I | | ak Aupoter |
| | case, <i>T</i> becomes the duration of the song. | Anbotek Anbo | potek Anbo |
| | NOTE Classical music, acoustic music and broadcast typi has an average sound pressure (long term L_{Aeq}, r) which is lower than the average programme simulation noise. Then | s much | Anbotek Ar |







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| Clause | Requirement + Test | Result - Remark | Verdict |
|---------|--|--|------------|
| Clause | Trequirement Test | Result - Remark | Anbverdict |
| DUPOLO | the programme simulation noise, the warning does not need to | he | - Sporen |
| | given as long as the average sound pressure of the song does | | br. |
| | exceed the required limit. | abot And K soft | ak Anbo |
| | For example, if the player is set with the programme simulation noise to 85 dB, but the average music level of the song is only | | No. |
| | dB, there is no need to give a warning or ask an | And or he stock and | DOJE. AT |
| | acknowledgement as long as the average sound level of the so | ong | Neg Y |
| 101 | is not above the basic limit of 85 dB. | Ant tek abotek | Anbo |
| 0.6.2.2 | RS1 limits (to be superseded, see 10.6.3.2) | Anbor Air stek | N/A |
| | RS1 is a class 1 acoustic energy source that does | ak spotek Anbo | h. otek |
| | not exceed the following: | Arr abotek | Aupr |
| | for equipment provided as a package (player wit) | hotek anbore An | 1600 |
| | its listening device), and with a proprietary connec | | Die |
| | between the player and its listening device, or who | | otek an |
| | the combination of player and listening device is | atek aboter And | V. |
| | known by other means such as setting or automat | ic tupo. By | abote |
| | detection, the $L_{Aeq, \tau}$ acoustic output shall be ≤ 85 | The state of the s | rek |
| | when playing the fixed "programme simulation nois | | Anbo |
| | described in EN 50332-1. | ok Anbore Ant | -botek |
| | for equipment provided with a standardized | otek Anbore | Pice |
| | connector (for example, a 3,5 phone jack) that allo | WS | r Aupor |
| | connection to a listening device for general use, the | e lek abotek Anbo | V |
| | unweighted r.m.s. output voltage shall be ≤ 27 mV | | oten An |
| | (analogue interface) or -25 dBFS (digital interface) | | 1/94 |
| | when playing the fixed "programme simulation nois | se" | 'upo' |
| | described in EN 50332-1. | aboren Anb | notek |
| | - The RS1 limits will be updated for all devices as | A. atek Anbore | AME |
| | per 10.6.3.2. | Anbo | Aupore |
| 0.6.2.3 | RS2 limits (to be superseded, see 10.6.3.3) | stek anbois And | N/A |
| | Antote Ant ak botek Ant | The Authore | And |
| | RS2 is a class 2 acoustic energy source that does | aborek Anbo | tek anb |
| | not exceed the following: | an abotek Anbe | |
| | - for equipment provided as a package (player wit | | poten 1 |
| | its listening device), and with a proprietary connec | | Yex |
| | between the player and its listening device, or who | n And | Anbore |
| | the combination of player and listening device is | k abover And | " potek |
| | known by other means such as setting or automat | | Bur |
| | 130 detection, the L Aeq, τ acoustic output shall be \leq | otek Aupo, W. Tek | anbore |
| | 100 dB(A) when playing the fixed "programme | ok botek Anbo | p |
| | simulation noise" as described in EN 50332-1. | nbo Ant ok hot | ek Anb |
| | - for equipment provided with a standardized | we otek anbote Ant | 401 |
| | connector (for example, a 3,5 phone jack) that allo connection to a listening device for general use, the | | por p |
| | unweighted r.m.s. output voltage shall be ≤ 150 m | | worek. |
| | (analogue interface) or -10 dBFS (digital interface) | | AUD |
| | when playing the fixed "programme simulation noise | | Moorer |
| | as described in EN 50332-1. | ok hotek Anbore | b. |
| 0.6.2.4 | RS3 limits | An tak toolek | N/A |
| AUPOJE. | Arr abotek Anbo | work Anbore Ans | A/VI |
| | RS3 is a class 3 acoustic energy source that | in a tokek auton | Di. |
| | exceeds RS2 limits. | avoter Ano | otek or |
| | I UNUUUUU INUL IIIIIIIO. | 70. | 3- |







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| | hotek anboter | IEC62368_1E- | ATTACHME | IN Po. | otek a | abote |
|---------|---|------------------|-------------|-------------|-----------|-----------|
| Clause | Require | ment + Test | botek | Result - Re | mark | Verdic |
| 0.6.3.1 | General | Aupo | hotek | Aupore | Arr. | N/A |
| abotek | Anto | | | k abover | | IN/A |
| | Previous limits (10.6.2) c | reated abundant | false 📉 | W. FCK | | VILIA |
| | negative and false positive | e PMP sound lev | /el | lotek Aupo, | | ek no |
| | warnings. New limits, cor | | | ak hote | | · po |
| | Commission Decision of | 23 June 2009, ar | e given | inpose. And | | POYEK |
| zek- | below. | potek A | upo | rek ont | O'C AT | No. |
| .6.3.2 | RS1 limits (new) | | | Anbo | | N/A |
| | And k hotek | Anbo. | A. rek | aboter | | hotek |
| | RS1 is a class 1 acoustic | | nat does | A. Stok | | AUL |
| | not exceed the following: | | . more | K Aupo. | | noor |
| | – for equipment provided | | | ek botek | | N. |
| | its listening device), and | | | ore Ans | | ek An |
| | between the player and it | | | otek Anbore | | .016 |
| | the combination of player | | | Up. | | DOL |
| | known by other means su | | | aboten Anb | | Lotek |
| | detection, the LAeq, Tacou | | | by, | | VUL |
| | when playing the fixed "p described in EN 50332-1 | | alion noise | Anbore | | aboten |
| | for equipment provided | | rod Anb | work. | | P2. |
| | connector (for example, a | | | AUD | | Aupo, |
| | connection to a listening | | | tek aboten | | V. v |
| | unweighted r.m.s. output | | | p. p. rek | | VU. |
| | (analogue interface) or -3 | | | hotek Anbo. | | Jose Jose |
| | when playing the fixed "p | | | Up of Po | | ,0, |
| | described in EN 50332-1 | | | Anbore Ant | | botok |
| .6.3.3 | RS2 limits (new) | abores | Aug | hotek At | 100, | N/A |
| | botek Anbo | | | And | | Pupor |
| | RS2 is a class 2 acoustic | energy source th | nat does | Aupore | | 010010 |
| | not exceed the following: | | | , otek | | VI. |
| | for equipment provided | | | ION AUDO | | K Anb |
| | its listening device), and | | | rek aboter | | V |
| | between the player and it | | | Pour VIII | | oter p |
| | the combination of player | | | potek Aupo | | ·e/ |
| | known by other means su | | | And | | upo |
| | detection, the weekly sou | | | abore. An | | hotek |
| | described in EN 50332-3 | | | Air. | | AMP |
| | playing the fixed "program | | oise" | Anbo. | | anbore. |
| | described in EN 50332-1 | | And | ok hotek | | br. |
| | - for equipment provided | | | And | | Anb |
| | connector (for example, a | | | otek anbore | | 40. |
| | connection to a listening | | | Do N. | | D. |
| | unweighted r.m.s. output | | | aboten Anbo | | - o'ek |
| | week, as described in EN | | | VII. | | Upo |
| | (analogue interface) or -3 | | | Auport An | | poter |
| | when playing the fixed "p described in EN 50332-1 | | auon noise | hotek | | by. |
| .6.4 | Requirements for maxing | 70. | osure | *up- | anborek | N/A |
| .6.4.1 | Measurement methods | D/A | - Noot | ok bupo, | P., Motek | - 400 |
| .J.T.1 | measurement methods | | | tek abotek | | N/A |
| | All volume controls shall | be turned to max | imum | b., b., | | Ve. Vi |
| | i mii voidino obilliolo olidii | | | | | |



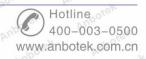




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| 484 | IEC62368_1E- ATTACHMI | Ar. Poter Aug | V |
|---------|--|------------------------|-----------------|
| Clause | Requirement + Test | Result - Remark | Verdict |
| Anhore. | Aug tek sporek tupo. Hr. | Anbores Ans | sporek |
| Anbotek | Measurements shall be made in accordance with EN 50332-1 or EN 50332-2 as applicable. | ek Anbotek Anbotek | Ambore |
| 0.6.4.2 | Protection of persons | potek Anbo sek shotek | N/A |
| | Except as given below, protection requirements for parts accessible to ordinary persons, instructed persons and skilled persons are given in 4.3. | Anbotek Anbotek Anbo | upotek Kek |
| | NOTE 1 Volume control is not considered a safeguard . | Anbore Anborek | Aupoten |
| | Between RS2 and an ordinary person, the basic safeguard may be replaced by an instructional | ofek Ambotek Ambotek | Anbors |
| | safeguard in accordance with Clause F.5, except that the instructional safeguard shall be placed on the equipment, or on the packaging, or in the | nbotek Anbotek Anbot | lek b |
| | instruction manual. Alternatively, the instructional safeguard may be given through the equipment display during use. | Anbotek Anbotek An | totek abotek |
| | The elements of the instructional safeguard shall be as follows: | Anbotek Anbotek | Anbotel |
| | - element 1a: the symbol , IEC 60417-6044 | botek Anbotek Anbotek | ak Anb |
| | (2011-01) – element 2: "High sound pressure" or equivalent | Anbotek Anbotek Anb | optek |
| | wording – element 3: "Hearing damage risk" or equivalent wording | Amborek Amborek | Anboten |
| | element 4: "Do not listen at high volume levels for long periods." or equivalent wording | lek Anbotek Anbotek | Anb |
| | An equipment safeguard shall prevent exposure of an ordinary person to an RS2 source without | botek Anbotek Anbote | olek V |
| | intentional physical action from the ordinary person and shall automatically return to an output level not exceeding what is specified for an RS1 source when | Anbotek Anbotek Anb | unbotek k |
| | the power is switched off. | Anborek Anborek | Anbote |
| | The equipment shall provide a means to actively inform the user of the increased sound level when the equipment is operated with an output exceeding | Dotek Anbotek Anbotek | Anb. |
| | RS1. Any means used shall be acknowledged by the user before activating a mode of operation which allows for an output exceeding RS1. The | Anbotek Anbotek Anb | ovek |
| | acknowledgement does not need to be repeated more than once every 20 h of cumulative listening | Anbotek Anbotek A | Anbotek |
| | NOTE 2 Examples of means include visual or audible signals. | etek Anbotek Anbotek | Anbo |
| | Action from the user is always needed. NOTE 3 The 20 h listening time is the accumulative listening time, independent of how often and how long the personal music player | obotek Anbotek Anboten | Hek Pu |







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| IEC62368_1E- ATTACHMENT | | | | |
|-------------------------|--|----------------------|---------|--|
| Clause | Requirement + Test | Result - Remark | Verdict | |
| Anbole | has been switched off. | Aupole, Aur | aborek | |
| | inas been switched on. | k hotek Anbore | bu. | |
| | A skilled person shall not be unintentionally exposed to RS3. | tek Anbotek Anbotek | Anbo. | |
| 0.6.5 | Requirements for dose-based systems | bo. W. Potek Aupole. | N/A | |
| 0.6.5.1 | General requirements | Aupoles Aug | N/A | |
| | Anbor Anboren Anboren | botek Anbo. A. | Nek | |
| | Personal music players shall give the warnings as | Arr abotek Ar | Upo | |
| | provided below when tested according to EN 50332- | Anbor Air otek | aboter | |
| | 3, using the limits from this clause. | k potek Anbo | h., | |
| | The manufacturer may offer optional settings to | An tek abotek | AUPO | |
| | allow the users to modify when and how they wish to | otek Anbo, Air tek | 100 | |
| | receive the notifications and warnings to promote a | sek obotek Anbo | been | |
| | better user experience without defeating the | ambore An- | 161 | |
| | safeguards. This allows the users to be informed in a | hotek Anbor An | rek | |
| | method that best meets their physical capabilities | And sek shotek Ar | 100 | |
| | and device usage needs. If such optional settings | Anbore And | abotek | |
| | are offered, an administrator (for example, parental | Kotek Anbore | 16 | |
| | restrictions, business/educational administrators, | And ok hotek | Aupo, | |
| | etc.) shall be able to lock any optional settings into a specific configuration. | tek Anbotes And | | |
| | Specific configuration. | anbore anbore | Vu. | |
| | The personal music player shall be supplied with | abotek Anbo k hot | elt | |
| | easy to understand explanation to the user of the | atek anbotek Anb | 24 | |
| | dose management system, the risks involved, and | Anbo. A. Stek and | DOLO. | |
| | how to use the system safely. The user shall be | abotek Anbo | worek. | |
| | made aware that other sources may significantly | Al. John | PUD. | |
| | contribute to their sound exposure, for example | Anbo. A. otek | Upote | |
| | work, transportation, concerts, clubs, cinema, car | ek shotek Anbo | 100 | |
| 0.6.5.2 | races, etc. Dose-based warning and requirements | All otek Antotek | VUp. | |
| 0.0.3.2 Anb | Dose-based warning and requirements | botek Anbo ak bote | N/A | |
| | When a dose of 100 % CSD is reached, and at least | sofek Anbore Ans | ve/K | |
| | at every 100 % further increase of CSD, the device | And ak hotek Ant | 0, | |
| | shall warn the user and require an | Anbores And | potek | |
| | acknowledgement. In case the user does not | anbore Anbore | YW. | |
| | acknowledge, the output level shall automatically | Anbo K hotek | Vupove | |
| | decrease to compliance with class RS1. | lek anboter And | 100 | |
| | The warning shall at least clearly indicate that | v stek anbotes | Aug | |
| | listening above 100 % CSD leads to the risk of | boten Anb | K- D.T | |
| | hearing damage or loss. | stek aboten Anbo | -V- | |
| 0.6.5.3 | Exposure-based requirements | Anton And | N/A | |
| | And k hotek Anbore Arr tek | anbore And | botek | |
| | With only dose-based requirements, cause and | n otek anbotes A | 'Un | |
| | effect could be far separated in time, defying the | Anbo | Anboro. | |
| | purpose of educating users about safe listening | ok abotek Anbo | 100 | |
| | practice. In addition to dose-based requirements, a | All stek abotek | VUPO | |
| | PMP shall therefore also put a limit to the short-term | otek Pupo, VI. | | |
| | sound level a user can listen at. | tek shotek Anbor | by. | |
| | The exposure-based limiter (EL) shall automatically | abore And | 45% | |







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| | IEC62368_1E- A | ATTACHMENT | |
|--------------------|--|-----------------------|--------------|
| Clause | Requirement + Test | Result - Remark | Verdict |
| bole. | And sek anbot | Man Poles Muse | -tek |
| Anbotek Anbotek | reduce the sound level not to exceed 100 of 150 mV integrated over the past 180 s, bas methodology defined in EN 50332-3. | sed on | potek Anbote |
| | The EL settling time (time from starting lever reduction to reaching target output) shall be faster. | | Anbotek Ant |
| | Test of EL functionality is conducted accordance 50332-3, using the limits from this clause. I equipment provided as a package (player version). | For | anbotek |
| | listening device), the level integrated over be 100 dB or lower. For equipment provide standardized connector, the unweighted le | ed with a | otek Anbote |
| | integrated over 180 s shall be no more that for an analogue interface and no more that | n 150 mV | Aupote, Aug |
| | dBFS for a digital interface. | botek Anbotek Anbotek | Anbotek |
| | NOTE In case the source is known not to be music (of the EL may be disabled. | r test signal), | k botek |





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| Alpoiek. | Anbore | IEC62368_1E- ATTAC | HMENT | anborek Ar |
|----------|--------|--------------------|-----------------|------------|
| Cla | use | Requirement + Test | Result - Remark | Verdict |

| 10.6.6 | Requirements for listening devices (headphones, | earphones, etc.) | N/A |
|----------|--|--|---------------|
| 10.6.6.1 | Corded listening devices with analogue input | otek Anbotek Anbo | N/A |
| | With 94 dB <i>L</i> Aeq acoustic pressure output of the listening device, and with the volume and sound | Anbotek Anbotek Anbot | lek Vi |
| | settings in the listening device (for example, built-in volume level control, additional sound features like | Anbotek Anbotek A | hotek |
| | equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the input voltage of the listening device when playing the | Anbotek Anbotek | Anborek |
| | fixed "programme simulation noise" as described in EN 50332-1 shall be ≥ 75 mV. | otek Anbotek Anbotek | Anbo |
| otek An | NOTE The values of 94 dB and 75 mV correspond with 85 dB and 27 mV or 100 dB and 150 mV. | hbotek Anbotek Anbo | lek Wu |
| 10.6.6.2 | Corded listening devices with digital input | And Anbotek Arbotek | N/A |
| | With any playing device playing the fixed "programme simulation noise" described in EN | Anbotek Anbotes | Anbotek |
| | 50332-1, and with the volume and sound settings in the listening device (for example, built-in volume | tek Anbotek Anbotek | Anbor |
| | level control, additional sound features like equalization, etc.) set to the combination of positions | nbotek Anbore Ans | ek An |
| | that maximize the measured acoustic output, the LAeq, racoustic output of the listening device shall be | Anbotek Anbotek An | potek |
| 10.6.6.3 | ≤ 100 dB with an input signal of -10 dBFS. Cordless listening devices | Aupo k kotek | N/A |
| Aupole | Amboo installing dollars Amboo Amboo | Anbores And | IN/A |
| | In cordless mode, – with any playing and transmitting device playing | ek Anbotek Anbote | Anbore |
| | the fixed programme simulation noise described in EN 50332-1; and | botek Anbotek Anbo | k Anb |
| | respecting the cordless transmission standards, where an air interface standard exists that specifies | Anbotek Anbor An | otek i |
| | the equivalent acoustic level; and – with volume and sound settings in the receiving | Anbotek Anbotek | anbotek ek |
| | device (for example, built-in volume level control, additional sound features like equalization, etc.) set | ek abotek Anbotek | Anbore |
| | to the combination of positions that maximize the measured acoustic output for the above mentioned | notek Anbotek Anbotek | And |
| | programme simulation noise, the $LAeq$, τ acoustic output of the listening device shall be \leq 100 dB with an input signal of -10 dBFS. | Anbotek Anbotek Anbo | otek b |
| 10.6.6.4 | Measurement method | Anboren Anb | N/A |
| | Measurements shall be made in accordance with EN 50332-2 as applicable. | Anbotek Anbotek | Anbotek |
| 3 | | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | 201 |





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| | | | potek NEO | C62368_1E | - ATTACHMEN | Polor | | | |
|------------|-------|-------------|----------------|--------------|--------------|-------------|------------------|-----|--------------------------|
| Clause | YUP. | o. P. | Requiremen | t + Test | Pun Potek | Result | - Remark | P. | Verdict |
| abolek. | D | Upo. | p. sek | pupo, | Per | hotel | Anbo | | Yosek |
| Ar. otek | | | country" notes | in the refer | ence documen | t according | to the following |) | <i>∀</i> _{UD} B |
| Anbo | list: | botek | | | ek Anbotek | | | | Anbor |
| K Aupon | | 0.2.1 | Note 1 and 2 | 1 | Note 4 and 5 | 3.3.8.1 | Note 2 | 1ek | ant |
| orek ant | ote | 3.3.8.3 | Note 1 | 4.1.15 | Note | 4.7.3 | Note 1 and 2 | | No |
| -V | las | 3.3.0.3 | Note | 4.1.10 | Note | 4.7.3 | Note Land 2 | 100 | |
| inpole | Vu. | 5.2.2.2 | Note | 5.4.2.3.2.2 | Note c | 5.4.2.3.2.4 | Note 1 and 3 | | potek |
| anbotek | | | | Table 12 | | | | 100 | botek |
| A. Anbotek | | 5.4.2.3.2.4 | Note 2 | 5.4.2.5 | Note 2 | 5.4.5.1 | Note | | Ans |
| , Anbore | 4 | Table 13 | | | | | | eK | Arra-to |
| itek vup | 010 | 5.4.10.2.1 | Note | 5.4.10.2.2 | Note | 5.4.10.2.3 | Note | | ok Vu |
| , A | 70 | 5.5.2.1 | Note | 5.5.6 | Note | 5.6.4.2.1 | Note 2 and 3 | 100 | P |
| nbore | Lin | 0.0.2.1 | Note | 0.0.0 | Note | 0.0.4.2.1 | and 4 | 20 | potek |
| abotek | 9 | | | | | | | ber | Lotek |
| br., | | 5.6.8 | Note 2 | 5.7.6 | Note | 5.7.7.1 | Note 1 and | | AUD |
| Anbo | | | | | | | Note 2 | | Anbore |
| Anbore | _V | 8.5.4.2.3 | Note | 10.2.1 | Note 3 and 4 | 10.5.3 | Note 2 | s/K | Anbo |
| rek Anbi | ite. | | | Table 39 | and 5 | | | .0% | ek a |

| | VUD | *8" "V" " " " " " " " " " " " " " " " " " | Jpo. |
|--------|---------|---|----------|
| N. | 4 | Modification to Clause 1 | Р |
| | ek nb' | Add the following note: | P |
| NO VIC | botek A | NOTE Z1 The use of certain substances in electrical and electronic equipment is restricted within the EU: see Directive 2011/65/EU. | otek And |

Note 3

Y.4.1

Note

F.3.3.6



10.6.1

Y.4.5

Note 3

Note







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| Npotek | Anbo. tek | IEC62368_1E- ATTAC | CHMENT | anbotek Ar |
|--------|-----------|--------------------|-----------------|------------|
| Clause | Anbo | Requirement + Test | Result - Remark | Verdict |

| 5 | Modification to 4.Z1 | N/A |
|------------|---|-------------|
| 4.Z1 | Add the following new subclause after 4.9: | N/A |
| | To protect against excessive current, short-circuits | 40 |
| | and earth faults in circuits connected to an a.c. | 100° |
| | mains, protective devices shall be included either as | Forek |
| | integral parts of the equipment or as parts of the | PUD. |
| | building installation, subject to the following, a), b) | abote |
| | and c): | A. rel |
| | a) except as detailed in b) and c), protective devices | Aupo. |
| | necessary to comply with the requirements of B.3.1 | .V. 50 |
| | and B.4 shall be included as parts of the equipment; | V.U.P. |
| | b) for components in series with the mains input to | 1010 |
| | the equipment such as the supply cord, appliance | DO. 1 |
| | coupler, r.f.i. filter and switch, short-circuit and earth | Polek |
| | fault protection may be provided by protective | Vu. |
| | devices in the building installation; | Inporc |
| | c) it is permitted for pluggable equipment type B or | rek |
| | permanently connected equipment, to rely on | Anbe |
| | dedicated overcurrent and short-circuit protection in | 10de × |
| | the building installation, provided that the means of | br. |
| | protection, e.g. fuses or circuit breakers, is fully | otek an |
| | specified in the installation instructions. | |
| | It niek i jaboter Anti- iku i notek Antion An | aboter |
| | If reliance is placed on protection in the building | " ek |
| | installation, the installation instructions shall so state, | Bupo, |
| | except that for pluggable equipment type A the | hotek |
| | building installation shall be regarded as providing protection in accordance with the rating of the wall | And |
| | socket outlet. | Anbor. |
| 6 | Modification to 5.4.2.3.2.4 | N/A |
| 5.4.2.3.2. | 4 Add the following to the end of this subclause: | N/A |
| 00, | tek anbore Anti ak hotek Anbo, Ar tek | upote: IN/A |
| | The requirement for interconnection with external | Nek |
| | circuit is in addition given in EN 50491-3:2009. | MAPO |
| 7 | Modification to 10.2.1 | N/A |
| 10.2.1 | Add the following to c) and d) in table 39: | N/A |
| br., | ek upote, Aun ek Potek Pupo W. sek upote, | 14/73 |
| | For additional requirements, see 10.5.1. | de No. |



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| Alpoiek. | Anbore | IEC62368_1E- ATTAC | HMENT | anborek Ar |
|----------|--------|--------------------|-----------------|------------|
| Cla | use | Requirement + Test | Result - Remark | Verdict |

| 8 | Modification to 10.5.1 | N/A |
|--------|--|--------------------|
| 10.5.1 | Add the following after the first paragraph: | N/A |
| | For RS 1 compliance is checked by measurement under the following conditions: | otek b |
| | In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or pre-sets which are not locked in a | Anbotek Anbotek |
| | reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible | k Anbe |
| | picture for 1 h, at the end of which the measurement is made. | olek Ar |
| | NOTE Z1 Soldered joints and paint lockings are examples of adequate locking. | Anbotek |
| | The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the | Anboten |
| | apparatus. | otek bu |
| | Moreover, the measurement shall be made under fault conditions causing an increase of the high voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is | Aupotek Votek |
| | made. For RS1, the dose-rate shall not exceed 1 µSv/h | Anbore |
| | taking account of the background level. | lek bu |
| otek | NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996. | rotek |
| 9 | Modification to G.7.1 | N/A |
| G.7.1 | Add the following note: NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in Annex ZD. | N/A |





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| Motek | Anbo. tek | IEC62368_1E- ATTAC | CHMENT | anbotek Ar |
|-------|--------------|--------------------|-----------------|------------|
| Claus | e management | Requirement + Test | Result - Remark | Verdict |

| 10 | Modification to Bibliography | N/A |
|--------|--|-------------------------------|
| SK 20 | Add the following notes for the standards indicated: | N/A |
| | rek sports, Aur A Potek, Aupo, W. rek sport | YU. |
| | IEC 60130-9 NOTE Harmonized as EN 60130-9. | Yele |
| | IEC 60269-2 NOTE Harmonized as HD 60269-2. | Upo P |
| | IEC 60309-1 NOTE Harmonized as EN 60309-1. | POJEK |
| | IEC 60364 NOTE some parts harmonized in HD 384/HD 60364 series. | An |
| | IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4. | Vupose. |
| | IEC 60664-5 NOTE Harmonized as EN 60664-5. | r. atel |
| | IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified). | Aupo |
| | IEC 61508-1 NOTE Harmonized as EN 61508-1. | No. 10 |
| | IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1. | V.C. |
| | | Note N |
| | IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4. | 100 |
| | IEC 61558-2-6 NOTE Harmonized as EN 61558-2-6. | Motek |
| | IEC 61643-1 NOTE Harmonized as EN 61643-1. | VU. |
| | IEC 61643-21 NOTE Harmonized as EN 61643-21. | abote |
| | MIEC 61643-311 NOTE Harmonized as EN 61643-311. | Y. YEK |
| | IEC 61643-321 NOTE Harmonized as EN 61643-321. | Anbo. |
| | of IEC 61643-331 NOTE Harmonized as EN 61643-331. | .V. wo3 |
| br. | ,500 | And |
| 11 | ADDITION OF ANNEXES | Р |
| ZB | ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN) | work P |
| 4.1.15 | Denmark, Finland, Norway and Sweden | N/A |
| | otek anbore An ek spote Anb | anboro |
| | To the end of the subclause the following is | rotek |
| | added: | Anbo |
| | Class I pluggable equipment type A intended | 100° × |
| | for connection to other equipment or a | bu. |
| | network shall, if safety relies on connection to | otel on |
| | reliable earthing or if surge suppressors | |
| | are connected between the network terminals and | -poler |
| | accessible parts, have a marking stating that the | YII. |
| | equipment shall be connected to an earthed | Vipor |
| | mains socket-outlet. | - otek |
| | ak botek Anbo Anbo Air ek botek | PUPPE |
| | The marking text in the applicable countries shall | 4 20018 |
| | be as follows: | Dur |
| | the tek upote Ann ok hotek Anbo k | rek no |
| | | D. |
| | In Denmark : "Apparatets stikprop skal tilsluttes en | |
| | In Denmark : "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til | holek I |
| | stikkontakt med jord som giver forbindelse til stikproppens jord." | nbolek I |
| | stikkontakt med jord som giver forbindelse til | nbolek l |
| | stikkontakt med jord som giver forbindelse til stikproppens jord." | Arbotek I |
| | stikkontakt med jord som giver forbindelse til stikproppens jord." In Finland : "Laite on liitettävä suojakoskettimilla | nbolek Arbotek Anbotek |
| | stikkontakt med jord som giver forbindelse til stikproppens jord." In Finland : "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan" | nbolek Arbotek Anbotek |
| | stikkontakt med jord som giver forbindelse til stikproppens jord." In Finland : "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan" In Norway : "Apparatet må tilkoples jordet stikkontakt" | Arbotek Arbotek Anbotek |
| | stikkontakt med jord som giver forbindelse til stikproppens jord." In Finland : "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan" In Norway : "Apparatet må tilkoples jordet | Arbotek Arbotek Anbotek |







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| | IEC62368_1E-7 | th of the control in the | All Morek And | 00. |
|--------|--|--------------------------|----------------------|------------------|
| Clause | Requirement + Test | abotek | Result - Remark | Verdict |
| .7.3 | United Kingdom | Anborek | Anbore Ali | N/A |
| | To the end of the subclause the following | is added: | ak hotek Anbotek | Anbor |
| | The torque test is performed using a sock | | otek Anbotek Anbote | ik An |
| | complying with BS 1363, and the plug par assessed to the relevant clauses of BS 13 see Annex G.4.2 of this annex | | Anbotek Anbotek Ant | , otek |
| 2.2.2 | Denmark | Aupo, | abotek Anbotes | N/A |
| | After the 2nd paragraph add the following: | Aupor | Anbotek Anboten | Anborr |
| | A warning (marking safeguard) for high too is required if the touch current exceeds the | | lek Anbotek Anbotel | k Ant |
| 4.11.1 | 3,5 mA a.c. or 10 mA d.c. Finland and Sweden | botek P | loc le potek Aup | N/A |
| nd | otek Anbote And | | Anbore Ans otek | nboter |
| nnex G | To the end of the subclause the following | is added: | Anbotek Anbo hotek | Anbotek |
| | For separation of the telecommunication r from earth the following is applicable: | network | ok Anbotek Anbotek | Anbore |
| | If this insulation is solid, including insulation part of a component, it shall at least | on forming | ootek Anbotek Anbote | tel Au |
| | two layers of thin sheet material, each of shall pass the electric strength test below. | | Pupotek Vupotek Vi | abotek abotek |
| | one layer having a distance through ins at least 0,4 mm, which shall pass the e strength test below. | | k anbotek Anbotek | Anbotel |
| | ek Anbo, A. otek nobote | | lek abotek Anboten | Ano |
| | If this insulation forms part of a semiconducomponent (e.g. an optocoupler), there is | | ore Annotek Anbot | ien b |
| | distance through insulation requirement for insulation consisting of an insulating comp | or the | Anbore An abotek An | poler. |
| | completely filling the casing, so that cleara creepage distances do not exist, if the cor | ances and | Anbotek Anbotek | Arbore. |
| | passes the electric strength test in accordance clause below and in additi | ance with | k anbotek Anbotek | Pupo, |
| | ak Anbo, A. Stek Anbore | | sek shotek Anbotes | Ano |
| | passes the tests and inspection criteria of an electric strength test of 1,5 kV multip | | ore Annabotek Anbot | Pr Pr |
| | (the electric strength test of 5.4.9 shall be performed using 1,5 kV), | | inbotek Anbotek Ant | otek |
| | and botek Anbotek Anbotek | | Anbotek Anbotek | Anbotek |
| | is subject to routine testing for electric s | | Anbotek Anbo | Anbo |
| | during manufacturing, using a test volta kV. | age of 1,5 | tek Anboten Anbo | K An |
| | It is permitted to bridge this insulation with | a rek | botek Anbote Ant | OKE/K |







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| 2/4 | IEC62368_1E- ATTACHMENT | | | | | |
|--------------------|---|------------------------|-------------------|-------------------------------|--|--|
| Clause | Requirement + Test | abotek | Result - Remark | Verdic | | |
| Anbotek Anbotek | capacitor complying with EN 60384-14:200 subclass Y2. | 05, _{Moote} | Anbotek Anbotek | Anbotek Anbo | | |
| | A capacitor classified Y3 according to EN 14:2005, may bridge this insulation under the following conditions: | 60384- | | potek Ar | | |
| | the insulation requirements are satisfied a capacitor classified Y3 as defined by 14, which in addition to the Y3 testing, i with an impulse test of 2,5 kV defined in | EN 60384- is tested | | Anbotek Anbotek Anbotek | | |
| | the additional testing shall be performed test specimens as described in EN 603 | | | otek Pu | | |
| | the impulse test of 2,5 kV is to be performed the endurance test in EN 60384-14, in the of tests as described in EN 60384-14. | | | Anbotek Anbotek | | |
| 5.2.1 | Norway | Anbore | Ans otek Anbotek | N/A | | |
| | After the 3rd paragraph the following is add | ded: Maribotes | | K Anbor | | |
| | Due to the IT power system used, capacitor required to be rated for the applicable linevoltage (230 V). | | | nbotek An | | |
| 5.6 | Finland, Norway and Sweden | abotek | Anbors An hotek | N/A | | |
| | To the end of the subclause the following i | s added: | | Anbotek | | |
| Anbotek | Resistors used as basic safeguard or brid insulation in class I pluggable equipment shall comply with G.10.1 and the test of G. | nt type A | k Anbotek Anbotes | rek Ant | | |
| 6.1 | Denmark | otek And | | N/A | | |
| | Add to the end of the subclause Due to many existing installations where the outlets can be protected with fuses | Anbore | | Anbolek | | |
| | with higher rating than the rating of the soc the protection for pluggable equipment type A shall be an integral part | Anbo. | | anbote Anbote | | |
| | equipment. Justification: | Pek Pin | | notek D | | |
| | In Denmark an existing 13 A socket outlet protected by a 20 A fuse. | can be | | vupotek h | | |
| 6.4.2.1 | Ireland and United Kingdom | botek | Anbotek Anbu | N/A | | |
| | After the indent for pluggable equipment the following is added: | type A, | | Anbotek | | |
| | the protective current rating is taken to this being the largest rating of fuse used in | | | Dotek Aube | | |
| V . | plug. | he. | "Olek Vupose, Vu | N/A | | |







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| | *Upoter | Pun Disk | botek p | 1/40, | A.C.K | Dupoter | PUL. |
|--------------------|---------------------------|--|---------------------------------|------------------------|--------------------|--------------------|--------------------|
| Clause | a. Lotek | Requirement | + Test | abotek | Result - | Remark | Verdic |
| rupolo. | And | hotek | papo. | br. | Alpoye. | Ann | hotek |
| | After the inc | dent for pluggable g is added: | equipment | t type A, | k Anbotek | | k Aupo |
| | | cases, the protec upplied from the m 6 A. | | | osek Yupo, | | otek Ar |
| 6.5.1 | 20.77 | and paragraph the | following is | added: | abotek | Anboren | N/A |
| | accepted by current over | of conductor sizes y terminals for equ r 10 A and up to a o 1,5 mm² in cross- | ipment with nd including | a rated 13 A is: | Anbotek Anbotek | | Anbotek Anbot |
| 6.8 | Norway | Jotek Anbore | K PULL | tek Aup | sey Vupor | rek mb | N/A |
| | Equipment | of the subclause the connected with an sclass I equipme | earthed ma | ins plug is | anbotek Ant | | nbotek |
| | marking red | quirement in 4.1.15 2, as specified in F | . The symbo | ol IEC | Anbotek | | Aupotek Au |
| 7.6 db 010 kg | Denmark | Management in the | And sek | abotek | Anboien | Anbu Lotek | N/A |
| | To the end | of the subclause th | ne following | is added: | lek Anbote | | iek Ant |
| | equipment i | tion instruction sha if the protective c e limits of 3,5 mA a | onductor ci | urrent | Anbotek Anb | | abotek anbotek |
| 7.6.2 | Denmark | abotek p | upoter | Arie | Anborek | Aupo, | N/A |
| Anbotek Anbotek | The warning current is re | of the subclause the g (marking safegua equired if the touch current exceed the | ard) for high current or t | touch he | Anbotek Anbotek | Anbotek Anbotek | Anbore Anb |
| 7.7.1 | Norway an | d Sweden | tek int | lotek bu | Po. Vr. | hotek An | N/A |
| | The screen normally no | of the subclause the of the television detection of the television detection of the entire the enti | istribution sy trance of the | /stem is e building | Anbotek Anbotek | | Aupolek Vupolek |
| | system with | normally no equipaling the building. | | Anbo | Aupo, | | Anbore |
| | installation | ne protective earth needs to be isolate oution system. | | | otek Anbo | | potek And |
| | | er accepted to prov the equipment by a | | | Anbotek Ar | | Anbotek |
| | interconnec | tion cable with gal vided by a retailer, | vanic isolato | or, which | Anbotek | | Anbotek |
| | | | | | 260 | | |
| | similar infor | anual shall then ha mation in Norwegi espectively, depen | an and Swe | dish | otek Anbor | | k Anbo |



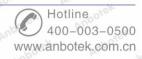




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| Clause | the building insta | Requirement + Test nected to the protective | Kupotek | Result - Remark | Verdic |
|--|--|---|------------------|-----------------|------------|
| Amborek Amborek Amborek Amborek | the building insta or through other | | Yer. | Poles Vuga | No. |
| | the building insta or through other | | | - OV | -VC 14.0° |
| | or through other | | | Ai. | YUP YUP |
| | | allation through the main | ns connection | lek anbore Air | 20 Ya |
| | | apparatus with a conne | ection to | T. FOK | POLE VILLE |
| | protoctive cartin | | | rek nobore A | · A |
| | | on distribution system u | eina coavial | 10 Kek | abore Ar |
| | | | | stek Aupor | bu. |
| | | me circumstances crea | | Dupo Lek | aport |
| | | tion to a television distri | 1.7 | I otek anbo. | bu. |
| | therefore has to | be provided through a | device | Anbo | Moro |
| | providing electric | cal isolation below a cer | rtain | potek Anbo | Pr. |
| | | (galvanic isolator, see | | And | ek Vupo, |
| | 11)" | (garrame residue), see | 0 %/40 | ok botek Anbo | |
| | 11) | | | And | otek anbo |
| | NOTE In Norway du | ue to regulation for CATV-inst | allations and in | ok hoten An | 0 |
| | | isolator shall provide electrica | | DCI ALL | hotek an |
| | | sulation shall withstand a die | | of sex shorter | AME |
| | 1,5 kV r.m.s., 50 Hz | | -tek | Albore Ans | noter. |
| | aboter And | V Stek | | Pek aboter | MUL |
| | Translation to No | orwegian (the Swedish | text will also | vupou Vii | poter |
| | be accepted in N | | CAL TITI GIOU | rek abote | DUL |
| | pe accepted III I | way). | | anbo. Air | ak botek |
| | "A Anbore | Arr. notek | Anbo | rek aboff | Bur |
| | | er koplet til beskyttelses | | Who, bu | rode Yes |
| | nettplugg og/elle | er via annet jordtilkoplet | | tek at | And |
| | | coplet et koaksialbasert | | olek aupo, VII. | 100 |
| | nett, kan forårsa | | oter Anb | atek. | Vupo, Vu |
| | | te skal det ved tilkopling | ı av annarator | notek Anbo | 101 |
| | | | y av apparater | Aro Catek | Vupo, |
| | til kabel-TV nett | | D11. | boten Anbo | rek |
| | | or mellom apparatet og l | kabel- I V | And K Jek | Anbo |
| | nettet." | | | poter And | w stek |
| | notek ! | | | Arr. work | DUPO |
| | Translation to Sv | wedish: | | K abote And | V NOTE |
| | | är kopplad till skyddsjor | d via iordat | bu, | oter Anbo |
| | | ller via annan utrustning | | tok above And | ·/- |
| | | plad till kabel-TV nät ka | | P. Calt | abote, Ant |
| | | | | otek anbore p | No. |
| | | brand. Főr att undvika o | | no k | abote |
| | | paraten till kabel-TV nä | | ntek Anbore | by. |
| | | ellan apparaten och kal | bel-TV | and Lek | anbolo |
| | nätet.". | tek abote. | | hotek Anbo. | rok. |
| .4.2.3 | United Kingdom | upo. Kin | above | Arra K Lotel | N/A |
| POLE | AMO | otek Anbore | Mr. | | IV/A |
| VII. | Add the following | after the 2nd dash bulle | et in 3rd | | Aupo. |
| | 1/// | and the Z dash bull | ot iii O pa | | |
| Die | paragraph: | | rek nobo | | poter Aup |
| 2000 | YUL Y | hotek anbo | P | | V. |
| | | op system complying w | | | poten p |
| ak . | requirements of I | EC 60204-1 and ISO 13 | 3850 is | | Vil. |
| | | nere is a risk of persona | | | poter |
| | Ireland and Unit | | MUGA | otek anbore | NI/A |
| P | nomina and Offic | Cartingaoni | work. | | N/A |
| 4 stell | The Yollowin at 1 | and and the shorter | And | | Al. |
| MUPO | The following is a | applicable: | hotek | | tek abote |
| ret | | | Ano | | b., |
| Anbo | To protect agains | st excessive currents an | d short- | | stek sabo |
| | | mary circuit of direct plu | | | /po. |
| | | according to Annexes | | | stell as |
| | | lucted using an external | | | Anbo. A |
| | | mplying with EN 60898 | | | rek |









| 40. | Page 69 of 77 | Report No. 18220WC | |
|---------|---|-----------------------|--------------|
| V. VI | IEC62368_1E- ATTACHM | ENTOTE AND STEK | potek |
| Clause | Requirement + Test | Result - Remark | Verdict |
| VUPOJE. | reted 220. If the agricument does not many those | Aupore. Aug | botek |
| Anbotek | rated 32A. If the equipment does not pass these tests, suitable protective devices shall be included as an integral part of the direct plug-in equipment , until the requirements of Annexes B.3.1 and B.4 are met | ek Anbotek Anbotek | Anbot |
| ek An | Tiller VII. | Polok Wipo, Wi | otek |
| .4.2 | Denmark | Anbotek Anbotek Ant | N/A |
| | To the end of the subclause the following is added: | Anborek Anbore | Anbotek |
| | Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011. | bytek Anbotek Anbotek | Anboh Anl |
| | CLASS I EQUIPMENT provided with socket-outlets | Anbotek Anbore Ans | Nete |
| | 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 | C. D. C. 1247 C. | upotek |
| | provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a. | Anbotek Anbotek | Aupote |
| | If a single-phase equipment having a RATED CURRENT exceeding 13 A or if a polyphase | oriek Anbotek Anbotel | Ant |
| | equipment is provided with a supply cord with a plug this plug shall be in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN 60309-2. | Albotek Anbotek Anbo | , otek |
| | Mains socket outlets intended for providing power to | Anbotek Anbotek A | nbotek |
| | Class II apparatus with a rated current of 2,5 A shall be in accordance DS 60884-2-D1:2011 standard | | Anbore |
| | sheet DKA 1-4a. | olek Anbotek Anbotek | Anb |
| | Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c. | anbotek Anbotek Anbo | notek p |
| | Mains socket-outlets with earth shall be in | Anbotek Anbote Ar | anbotek |
| | compliance with DS 60884-2-D1:2011 Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-5a | Anbotek Anbotek | Anbotel |
| | or DK 1-7a | ntek Anbotek Anbotek | Aup. |
| | Justification: Heavy Current Regulations, Section 6c | nbotek Anbor | V P |
| 1.2 | United Kingdom | TUPO. By. | NI/A |
| .4.2 | To the end of the subclause the following is added: | Anbotek Anbotek | N/A |
| | The plug part of direct plug-in equipment shall be | And Anbotek Anbotek | Aupo, |
| | 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 | trotek Anbotek Anbote | PL VLD |





125 °C. Where the metal earth pin is replaced by an



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| poter. | | IEC62368_1E- ATTAC | HMENT | |
|--------|----------|--------------------|-----------------|---------|
| Clause | yupo rek | Requirement + Test | Result - Remark | Verdict |

| MOTO | And yek abo. A. k | hore. And | -xek |
|--------------------|---|-----------------------|------------------|
| Ann | Insulated Shutter Opening Device (ISOD), the requirements of clauses 22.2 and 23 also apply. | k anbotek Anbotek | Anbo. botek |
| G.7.1 | United Kingdom | otek Anbotek Anbote | N/A |
| otek An | To the first paragraph the following is added: | abotek Anbotek Anbo | lek an |
| Anbotek Anbotek | Equipment 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 shall be fitted with a 'standard plug' in | Anbotek Anbotek Anb | nbotek |
| | accordance with the Plugs and Sockets etc. (Safety) Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted by those regulations. | Anbotek Anbotek | Anbotek Anbot |
| nbotek Ant | NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug. | Anbotek Anbotek Anbo | botek An |
| G.7.1 | Ireland | Anbors All. | N/A |
| Anbote | To the first paragraph the following is added: Apparatus which is fitted with a flexible cable or cord | tek Anbotek Anbotek | Anbore |
| tek Anb | shall be provided with a plug in accordance with Statutory Instrument 525: 1997, "13 A Plugs and | botek Anbotek Anbo | ek bu |
| upotek P | Conversion Adapters for Domestic Use Regulations: 1997. S.I. 525 provides for the recognition of a | Anbotek Anbors An | otek I |
| Anbote, otek | standard of another Member State which is equivalent to the relevant Irish Standard | Anbotek Anbotek | anbotek ak |
| G.7.2 | Ireland and United Kingdom | ak abotek Anbotek | N/A |
| ek anbo | To the first paragraph the following is added: | otek Anbotek Anbotek | Anbu ab |
| potek tr | A power supply cord with a conductor of 1,25 mm ² is allowed for equipment which is rated over 10 A and up to and including 13 A. | Anbotek Anbotek Anbon | otek b |

| ZC shorek | ANNEX ZC, NATIONAL DEVIATIONS (EN) | N/A |
|-----------|------------------------------------|-----|
| | | |





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| | IEC62368_1E- AT | TACHMEN' | Poses Vupo | |
|--------|---|---------------|-----------------|------------|
| Clause | Requirement + Test | botek | Result - Remark | Verdict |
| "Wole. | And ak horek Anbo. A | Yek | Pupole, Mun | L work |
| 10.5.2 | Germany | Anbo. | | N/A |
| | The following requirement applies: | Anboyek | | hek Anbore |
| | And And And | 1500 | | stek snb |
| | For the operation of any cathode ray tube inte | ended M | | upo. |
| | for the display of visual images operating at a | n/- | | hotek F |
| | acceleration voltage exceeding 40 kV, author | ization | | Ann |
| | is required, or application of type | hotek | | Motore |
| | approval (Bauartzulassung) and marking. | Yo. | | otek |
| | botek Anbo Anbo otek | Aupore | | Aupo |
| | Justification: | Nature Nature | | ak botel |
| | German ministerial decree against ionizing ra | diation | | Vien |
| | (Röntgenverordnung), in force since | works. | | otek nabo |
| | 2002-07-01, implementing the European Dire | ctive | | 100 |
| | 96/29/EURATOM. | ek nb | | -polek A |
| | inbote Ant ak abotek Anbo | | | Vu. |
| | NOTE Contact address: | oter | | Vipole |
| | Physikalisch-Technische Bundesanstalt, Bundesallee 10 38116 Braunschweig, | U, D- | | rotek |
| | Tel.: Int+49-531-592-6320. Internet: http://www.ptb.de | anboro | | Anbo |





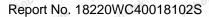
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| Notek | Anbo. | IEC62368_1E- ATTACH | HMENT | anbotek An |
|--------|-------|---------------------|-----------------|------------|
| Clause | Anbo | Requirement + Test | Result - Remark | Verdict |

| Type of flexible cord | Code de | esignations |
|--|--------------|--------------------------|
| | IEC | CENELEC |
| PVC insulated cords | | |
| Flat twin tinsel cord | 60227 IEC 41 | H03VH-Y |
| Light polyvinyl chloride sheathed flexible cord | 60227 IEC 52 | H03VV-F H03VVH2-F |
| Ordinary polyvinyl chloride sheathed flexible cord | 60227 IEC 53 | H05VV-F H05VVH2-F |
| Rubber insulated cords | | |
| Braided cord | 60245 IEC 51 | H03RT-F |
| Ordinary tough rubber sheathed flexible cord | 60245 IEC 53 | H05RR-F |
| Ordinary polychloroprene sheathed flexible cord | 60245 IEC 57 | H05RN-F |
| Heavy polychloroprene sheathed flexible cord | 60245 IEC 66 | H07RN-F |
| Cords having high flexibility | • | • |
| Rubber insulated and sheathed cord | 60245 IEC 86 | H03RR-H |
| Rubber insulated, crosslinked PVC sheathed cord | 60245 IEC 87 | H03 RV4-H |
| Crosslinked PVC insulated and sheathed cord | 60245 IEC 88 | H03V4V4-H |
| Cords insulated and sheathed with halogen- free thermoplastic compounds | | |
| Light halogen-free thermoplastic insulated and sheathed flexible cords | | H03Z1Z1-F H03Z1Z1H2-F |
| Ordinary halogen-free thermoplastic insulated and sheathed flexible cords | | H05Z1Z1-F H05Z1Z1H2-F |









Aupo k. stek supore

Attachment 1: Photo



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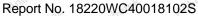








Product Safety







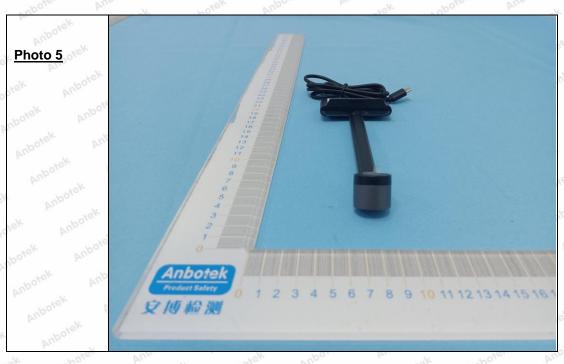






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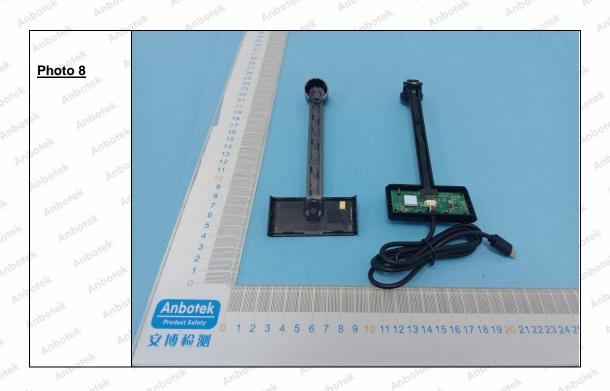




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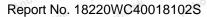
Report No. 18220WC40018102S













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End of the report

