

Report No.: 18230SC10061801

Test Report

Client Name : Saleae, Inc

Address 408 N Canal Street, Suite A - South San Francisco,

94080 California, USA

Product Name : Logic Pro 16

Date : Jul. 29, 2021





Page 2 of 64 Report No.: 18230SC10061801

TEST REPORT IEC 62368-1

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

Report Number.....: 18230SC10061801

Date of issue.....: Jul. 29, 2021

Total number of pages: 64 pages

Applicant's name: Saleae, Inc

Address.....: 408 N Canal Street, Suite A - South San Francisco, 94080 California,

USA

Test specification:

Standard.....: IEC 62368-1:2014 (Second Edition) and

EN 62368-1:2014+A11:2017

Test procedure: Type Tested

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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Testing procedure and testing location:

Testing Laboratory: Shenzhen Anbotek Compliance Laboratory Limited

Sanwei community, Hangcheng Street, Bao'an District,

Shenzhen, Guangdong, China.518102

Tested by (name + signature)....... Amina Li

Approved by (name+ signature) ...: Smile Tian



Page 3 of 64 Report No.: 18230SC10061801

Test Item description: Logic Pro 16

Trade Mark: Saleae

Manufacturer.....: Diamond Digital Corporation

6F.-1,6F., NO.168 LIANCHENG RD., LIANCHENG RD., ZHONGHE NEW TAIPEI NEW TAIPEI CITY 23553,

TAIWAN.

Model/Type reference: SAL-00115, SAL-00115 (black), SAL-00116 (red)

Ratings Input: 5V==-0.721A

Tests performed (name of test and test clause):

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

Electrical safety

IEC 62368-1:2014 (Second Edition)

— EN 62368-1:2014+A11:2017

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.518102

List of countries addressed: EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

The product fulfils the requirements of EN 62368-1:2014+A11:2017

Statement concerning the uncertainty of the measurement systems used for the tests

(may be required by the product standard or client)

Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:

Procedure number, issue date and title:

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

Statement not required by the standard used for type testing



Page 4 of 64 Report No.: 18230SC10061801

Copy of marking plate:

Saleae

Logic Pro 16 Model: SAL-00115 Input: 5V==-0.721A



Manufacturer: Diamond Digital Corporation

Address: 6F.-1,6F., NO.168 LIANCHENG RD., LIANCHENG RD., ZHONGHE NEW TAIPEI NEW TAIPEI CITY 23553, TAIWAN.

Importer: xxxx Address: xxxx Made in china

- The above markings are the minimum requirements required by the safety standard. For the final production samples, the additional markings which do not give rise to misunderstanding may be added.



Page 5 of 64 Report No.: 18230SC10061801

TEST ITEM PARTICULARS:	
Classification of use by: Supply Connection	 ☑ Ordinary person ☑ Instructed person ☑ Skilled person ☑ Children likely to be present ☐ AC Mains ☐ DC Mains
ootek Anborek Anborek Anborek An	External Circuit - not Mains connected - ES1 ES2 ES3
Supply % Tolerance:	☐ +10%/-10% ☐ +20%/-15% ☐ +%/% ☑ None
Supply Connection – Type:	□ pluggable equipment type A - □ non-detachable supply cord □ appliance coupler □ direct plug-in □ mating connector □ pluggable equipment type B - □ non-detachable supply cord □ appliance coupler □ permanent connection □ mating connector ☒ other:
Considered current rating of protective device as part of building or equipment installation	A; Installation location: ☐ building; ☐ equipment
Equipment mobility:	□ movable □ hand-held □ transportable □ stationary □ for building-in □ direct plugin □ rack-mounting □ wall-mounted
Over voltage category (OVC):	□ OVC I □ OVC II □ OVC IV □ other:
Class of equipment:	☐ Class I ☐ Class II ☐ Class III ☐ Class II with functional earthing ☐ Not classified
Access location:	☐ restricted access area ☐ N/A
Pollution degree (PD):	□ PD 1 □ PD 2 □ PD 3
Manufacturer's specified maxium operating ambient:	70°C
IP protection class	☐ IP
Power Systems:	
Altitude during operation (m):	☑ 2000 m or less ☐ m
Altitude of test laboratory (m):	☐ 2000 m or less
Mass of equipment (kg):	Approx. 1.01 kg





Page 6 of 64 Report No.: 18230SC10061801

VI VI	-00
POSSIBLE TEST CASE VERDICTS:	hotek Anbotek Anb
- 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: Steel Marie Control of the	er Anbourek Anbour
Date of receipt of test item	2021-07-13
Date (s) of performance of tests	2021-07-13 to 2021-07-20
GENERAL REMARKS:	abotek Anbois All Lotek Anbotes
county in question. 2. The equipment complies with the National Standard 3. According to the EU directives which have been alignment.	ries, the manufacturer must ensure that: s Labels written in an Accepted or Official Language of the s and/or Electrical Codes of the country in question. Index with EU NLF (new legislative framework), both of e affixed on the product or, where that is not possible, on
When differences exist; they shall be identified in the	ne General product information section.
Name and address of factory (ies):	Diamond Digital Corporation 6F1,6F., NO.168 LIANCHENG RD., LIANCHENG RD., ZHONGHE NEW TAIPEI NEW TAIPEI CITY 23553, TAIWAN.
General product information and other remarks:	
Product Description: The apparatus covered in this report was Logic Pro 16. The max. operating temperature was 70°C and the m Unless otherwise specified, the model "SAL-00115" w tests.	ax. altitude was 2000m. as chosen as representative model to perform all the
Model Differences: all models are same except models	el name and appearance colour.
Additional application considerations – (Consideration)	ations used to test a component or sub-assembly) –





Page 7 of 64 Report No.: 18230SC10061801

ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE:

(Note 1: Identify the following six (6) energy source forms based on the origin of the energy.)

(Note 2: The identified classification e.g., ES2, TS1, should be with respect to its ability to cause pain or injury on the body or its ability to ignite a combustible material. Any energy source can be declared Class 3 as a worse case classification e.g. PS3, ES3.

Electrically-caused injury (Clause 5):

(Note: Identify type of source, list sub-assembly or circuit designation and corresponding energy source classification)

Source of electrical energy	Corresponding classification (ES)
5V DC input	rek p ES1 Anborek Anborek
The enclosure	ES1 And tek abore And

Electrically-caused fire (Clause 6):

(Note: List sub-assembly or circuit designation and corresponding energy source classification)

Source of power or PIS			AUD	Corresponding classification (PS)			S) botek Ant
5V DC input	Ame	anbotek	Vupe	PS2	abotek	Anboro	Andrek
Internal circuits	Ann	abotek	DZ	PS2	notek	Anbois	Ann

Injury caused by hazardous substances (Clause 7)

(Note: Specify hazardous chemicals, whether produces ozone or other chemical construction not addressed as part of the component evaluation.)

Source of hazardous substant	ces hopotek Anbote	Corresponding c	hemical	Anbo	- nbc
N/A	ek hotek Anbo	N/A	Anbotek	Pupo.	h.,

Mechanically-caused injury (Clause 8)

(Note: List moving part(s), fan, special installations, etc. & corresponding MS classification based on Table 35.)

Example: Wall mount unit

MS2

Source of kinetic/mechanical energy	Corresponding classification (MS)				
Sharp edges and corners of accessible parts	MS1xnbb Anboth Anboth				
Product mass	MS1 Anboth Anboth Anboth				

Thermal burn injury (Clause 9)

(Note: Identify the surface or support, and corresponding energy source classification based on type of part, location, operating temperature and contact time in Table 38.)

Source of thermal energy	Corresponding classification (TS)
Accessible parts	TS1 _{Anbores} And Anborek Anborek

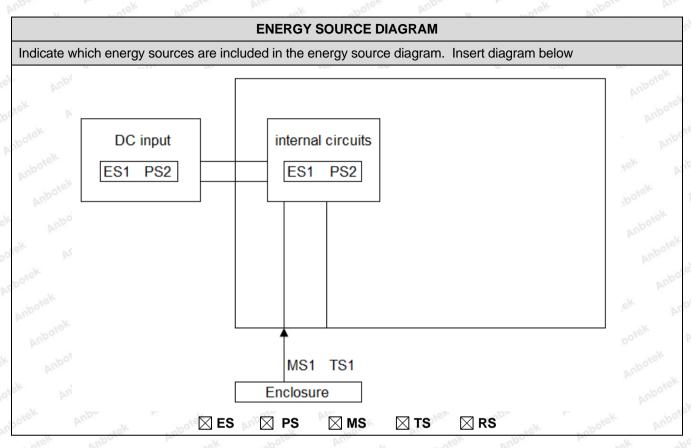
Radiation (Clause 10)

(Note: List the types of radiation present in the product and the corresponding energy source classification.)

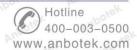
Type of radiation	Corresponding classification (RS)
LED light	RS1 Anbole Anbole Arek



Page 8 of 64 Report No.: 18230SC10061801



OVERVIEW OF EMPLOYED SAFE	GUARDS				
Clause	Possible Hazard				
5.1	Electrically-caused injury				
Body Part	Energy Source		Safeguards		
(e.g. Ordinary)	(ES3: Primary Filter circuit)	Basic	Supplementary	Reinforced (Enclosure)	
Ordinary person, Instructed person, Skilled person, Children	ES1: All Internal circuits ES1: DC input	N/A	N/A	N/A	
6.1	Electrically-caused fire				
Material part	Energy Source	Safeguards			
(e.g. mouse enclosure)	(PS2: 100 Watt circuit)	Basic	Supplementary	Reinforced	
Plastic enclosure	PS2: <100 Watt circuit (Internal circuit)	Equipment safeguards (no ignition)	N/A	N/A	
PCB Anbotek Anbotek Anbo	PS2: <100 Watt circuit (Internal circuit)	Equipment safeguards (no ignition)	V-1 or better	N/A	
Combustible materials within equipment	PS2: <100 Watt circuit (Internal circuit)	Equipment safeguards (no ignition)	V-2 or better	N/A	
7.1	Injury caused by hazardous substances				





Page 9 of 64 Report No.: 18230SC10061801

1 age 3 01 04	11000	10110 10200001	0001001	
Energy Source		Safeguards		
(hazardous material)	Basic	Supplementary	Reinforced	
N/A	N/A	N/A	N/A	
Mechanically-caused injury				
Energy Source		Safeguards		
(MS3: High Pressure Lamp)	Basic	Supplementary	Reinforced (Enclosure)	
MS1: Sharp edges and corners of accessible	N/A	N/A	N/A	
role keps	N/A Ambore	N/A	N/A	
WOT. I Toddet mass	Anbotek Anb	ster IV Ands bote	4 Anbore	
Thermal Burn				
Energy Source	Safeguards			
(TS2)	Basic	Supplementary	Reinforced	
TS1: Accessible parts	N/A	N/A	N/A	
Radiation	W AV		1-17	
Energy Source		Safeguards		
	Basic	Supplementary	Reinforced	
RS1: LED light	N/A	N/A	N/A	
	Energy Source (hazardous material) N/A Mechanically-caused injury Energy Source (MS3: High Pressure Lamp) MS1: Sharp edges and corners of accessible parts MS1: Product mass Thermal Burn Energy Source (TS2) TS1: Accessible parts Radiation Energy Source	Energy Source (hazardous material) N/A N/A Mechanically-caused injury Energy Source (MS3: High Pressure Lamp) MS1: Sharp edges and corners of accessible parts MS1: Product mass N/A Thermal Burn Energy Source (TS2) Basic TS1: Accessible parts N/A Radiation Energy Source Basic	Energy Source (hazardous material) Basic Supplementary N/A N/A Mechanically-caused injury Energy Source (MS3: High Pressure Lamp) MS1: Sharp edges and corners of accessible parts MS1: Product mass N/A N/A N/A N/A N/A N/A N/A Thermal Burn Energy Source (TS2) Basic Supplementary Safeguards N/A N/A N/A N/A N/A Safeguards Supplementary N/A N/A Safeguards Safeguards Safeguards Safeguards Safeguards Safeguards Safeguards Supplementary Safeguards Safeguards Safeguards Safeguards Safeguards Safeguards Safeguards Safeguards	

Supplementary Information:

- (1) See attached energy source diagram for additional details.
- (2) "N" Normal Condition; "A" Abnormal Condition; "S" Single Fault



Page 10 of 64 Report No.: 18230SC100618

30,		, ok	rage 10 01 04	Report No., 10	2303010001001
otek .	mbotek	Anbore All aborek	IEC 62368-1	Anbotek Anbotek	Anbore Air
Clause	anborek	Requirement + Tes	st ^k Amboren	Result - Remark	Verdict

4	GENERAL REQUIREMENTS		Anboie
4.1.1	Acceptance of materials, components and subassemblies	hotek Anborek Anborek	An Poten
4.1.2	Use of components	Anbore Anborek Anbore	P
4.1.3	Equipment design and construction	Anboy K Anbo	P M
4.1.15	Markings and instructions:	(See Annex F)	oo ^{tek} P
4.4.4	Safeguard robustness	ek Anbore Ann stek	anbot P
4.4.4.2	Steady force tests	(See Annex T.4, T.5)	Plek.
4.4.4.3	Drop tests:	(See Annex T.7)	Pool
4.4.4.4	Impact tests	Ansotek anbotek Anbo	N/A
4.4.4.5	Internal accessible safeguard enclosure and barrier tests	Anbotek Anbotek Anbo	N/A
4.4.4.6	Glass Impact tests:	ak Anbores And tek	N/A
4.4.4.7	Thermoplastic material tests:	otek anbotek Anton	N/A
4.4.4.8	Air comprising a safeguard	otek Anbotek Anbot	N/A
4.4.4.9	Accessibility and safeguard effectiveness	All other safeguards remain effective and no class 3 energy sources become accessible.	P And
4.5	Explosion	k hotek Anbotek Ani	N/A
4.6	Fixing of conductors	And otek anbotek	P _k
4.6.1	Fix conductors not to defeat a safeguard	pole Amb otek Anbotek	N/A
4.6.2	10 N force test applied to:	Impose And Tek mbotek	N/A
4.7	Equipment for direct insertion into mains socket - outlets	Anborek Anborek Anbore	N/A
4.7.2	Mains plug part complies with the relevant standard	Anbotek Anbotek Anb	N/A
4.7.3	Torque (Nm)	otek Anbote And otek	N/A
4.8 _{km} bo ^N	Products containing coin/button cell batteries	hotek Anbotes Anti-	N/A
4.8.2	Instructional safeguard	Motek Anbotek Anbo	N/A
4.8.3	Battery Compartment Construction	And Anbotek Anbo	N/A
Anbotek	Means to reduce the possibility of children removing the battery	Anbotek Anbotek Anb	_
4.8.4	Battery Compartment Mechanical Tests:	tek Anboten Anbo	N/A
4.8.5	Battery Accessibility	Lotek Anbotek Anbor	N/A
4.9	Likelihood of fire or shock due to entry of conductive object:	Anbotek Anbotek Anbotek	N/A





5.4.1.4

5.4.1.5

5.4.1.5.2

5.4.1.5.3

5.4.1.6

5.4.1.7

5.4.1.8

5.4.1.9

5.4.1.10

5.4.1.10.2

5.4.1.10.3

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Anborek	Vupo, In Hotek Wupong, Yun	otek anborek Anbo	botek
5	ELECTRICALLY-CAUSED INJURY		Prek
5.2.1	Electrical energy source classifications:	(See appended table 5.2)	A ⁿ P
5.2.2	ES1, ES2 and ES3 limits	Anbore Anbores	, Pur
5.2.2.2	Steady-state voltage and current:	See appended table 5.2)	b by
5.2.2.3	Capacitance limits:	Anbore An	potek P
5.2.2.4	Single pulse limits:	(See appended table 5.2)	N/A
5.2.2.5	Limits for repetitive pulses:	(See appended table 5.2)	N/A
5.2.2.6	Ringing signals	(See Annex H)	N/A
5.2.2.7	Audio signals:	And Anbotek Anbo	N/A
5.3	Protection against electrical energy sources	Anti-	N/A
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	Anbotek Anbotek An	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	ootek Anbotek Anbotek	N/A
5.3.2.2	Contact requirements	Anbore And stek anborek	N/A
otek A	a) Test with test probe from Annex V:	Ambores Ambo	N/A
nbotek	b) Electric strength test potential (V):	Anbotek Anbo	N/A
nbotek	c) Air gap (mm):	ok upotek Aupo, ak	N/A
5.3.2.4	Terminals for connecting stripped wire	tek nbotek Anbots	N/A
5.4	Insulation materials and requirements	bo Anborek Anbore	N/A
5.4.1.2	Properties of insulating material	Anbotes Anbotes	N/A
5.4.1.3	Humidity conditioning:	(See sub-clause 5.4.8)	N/A

Shenzhen Anbotek Compliance Laboratory Limited

parts are directly mounted

insulating compound

Thermal cycling

Insulating surfaces

N/A

(See appended table 5.4.1.4)

(See appended table 5.4.1.10.2)

(See appended table 5.4.1.10.3)

Maximum operating temperature for insulating

materials:

Pollution degree:

Test for pollution degree 1 environment and for an

Insulation in transformers with varying dimensions

Thermoplastic parts on which conductive metallic

Vicat softening temperature.....:

Ball pressure:

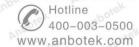
Insulation in circuits generating starting pulses

Determination of working voltage



Page 12 of 64 Report No.: 18230SC10061801

abotek	IEC 62368-1	Anbotek Anbo	stek An
Clause	Requirement + Test	Result - Remark	Verdict
nbotek	Anbore An Lotek Anborek Anbo	rtek upotek Aupore A	hotek
5.4.2	Clearances	rek abotek Anbote	N/A
5.4.2.2	Determining clearance using peak working voltage	(See appended table 5.4.2.2)	N/A
5.4.2.3	Determining clearance using required withstand voltage:	(See appended table 5.4.2.3)	N/A
nbotek	a) a.c. mains transient voltage:	obotek Anbore Am	_
botek	b) d.c. mains transient voltage:	ek abotek Anbote At	
hotel	c) external circuit transient voltage:	ok hotek Anbores	_
ek Aup	d) transient voltage determined by measurement	Anbotek Anbotek Anbotek	_
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	(See appended table 5.4.2.4)	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	arbotek Anbotek An	N/A
5.4.3	Creepage distances:	(See appended table 5.4.3)	N/A
5.4.3.1	General	otek Anbotek Anbot	N/A
5.4.3.3	Material Group:	Anbotek Anbotek	_
5.4.4	Solid insulation	Anbo tek abotek Anbor	N/A
5.4.4.2	Minimum distance through insulation:	(See appended table 5.4.4.2)	N/A
5.4.4.3	Insulation compound forming solid insulation	ok Anborrak	N/A
5.4.4.4	Solid insulation in semiconductor devices	otek Anbolt An wotek	N/A
5.4.4.5	Cemented joints	abotek Anbore Anti-	N/A
5.4.4.6	Thin sheet material	botek Anbote And	N/A
5.4.4.6.1	General requirements	Anbotek Anbotek Anb	N/A
5.4.4.6.2	Separable thin sheet material	And Anbotek Anb	N/A
Ann	Number of layers (pcs):	And stek Anbotek	N/A
5.4.4.6.3	Non-separable thin sheet material	otek Anbotek	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	(See appended Table 5.4.9)	N/A
5.4.4.6.5	Mandrel test	And Otek Anbotek Anbot	N/A
5.4.4.7	Solid insulation in wound components	Anti-	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz:	(See appended Table 5.4.4.9)	N/A
5.4.5	Antenna terminal insulation	Jek Pupo, by	N/A
5.4.5.1	General	botek Anbor An hotek	N/A
5.4.5.2	Voltage surge test	obotek Anbore Am	N/A
ootek p	Insulation resistance (MΩ):	abotek Anbotes Ans	_
5.4.6	Insulation of internal wire as part of supplementary safeguard:	(See appended table 5.4.4.2)	N/A





Page 13 of 64 Report No.: 18230SC10061801

otek.	Page 13 of 64	Report No.: 18230SC100	61801
upo.	IEC 62368-1	Anbo. Anbolek Anbol	b. b
Clause	Requirement + Test	Result - Remark	Verdict
Anbore	Ant Otok Ambotek Anbo	otek Anbore Ann	anborek
5.4.7	Tests for semiconductor components and for cemented joints	abotek Anbotek Anbotek	N/A
5.4.8	Humidity conditioning	anbotek Anbo	N/A
	Relative humidity (%):	Anborek Anbor ek Anbor	_
abotek	Temperature (°C):	Anbotek Anbot Att	_
nbotek	Duration (h)	ek upotek Anboy A	
5.4.9	Electric strength test:	(See appended table 5.4.9)	N/A
5.4.9.1	Test procedure for a solid insulation type test	po Anbore	N/A
5.4.9.2	Test procedure for routine tests	Anborek Anbores	N/A
5.4.10	Protection against transient voltages between external circuit	Anbotek Anbotek Anbot	N/A
5.4.10.1	Parts and circuits separated from external circuits	(See appended table 5.4.9)	N/A
5.4.10.2	Test methods	ok stotek Anbotes	N/A
5.4.10.2.1	General	John Ambotek Anbotek	N/A
5.4.10.2.2	Impulse test:	(See appended table 5.4.9)	N/A
5.4.10.2.3	Steady-state test:	(See appended table 5.4.9)	N/A
5.4.11	Insulation between external circuits and earthed circuitry:	(See appended table 5.4.9)	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	otek Anbotek Anbotek	N/A
5.4.11.2	Requirements	botek Anbote And Otek	N/A
rek an	Rated operating voltage U _{op} (V)	hotek Anboten Ann	
work.	Nominal voltage U _{peak} (V):	Anborek Anborek Anbo	
in otek	Max increase due to variation U _{sp} :	Anti-	
Amo	Max increase due to ageing ΔUsa:	Arm stek unbotek A	
Anbo	U _{op} = U _{peak} + Δ U _{sp} + ΔU _{sa} :	Arist Otek Anbotek	_
5.5	Components as safeguards	Anborek Anbo	Vupo.
5.5.1	General	Anbores Anbores	N/A
5.5.2	Capacitors and RC units	Anbotek Anbor All	N/A
5.5.2.1	General requirement	Anborek Anbore An	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	(See appended table 5.5.2.2)	N/A
5.5.3	Transformers	(See Annex G.5.3)	N/A
5.5.4	Optocouplers	(See sub-clause 5.4 or Annex G.12)	N/A
5.5.5	Relays	(See Annex G.2)	N/A
5.5.6	Resistors	(See Annex G.10)	N/A



Page 14 of 64 Report No.: 18230SC10061801

IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict
Anbore	An Anhorek Andrew	niek Anbore All	Anboiek
5.5.7	SPD's	(See Annex G.8)	N/A
5.5.7.1	Use of an SPD connected to reliable earthing	anbotek Anbo	N/A
5.5.7.2	Use of an SPD between mains and protective earth	Anbotek Anbotek Anbore	N/A
5.5.8	Insulation between the mains and external circuit consisting of a coaxial cable:	(See Annex G.10.3)	N/A
5.6	Protective conductor	and Ande Ander	N/A
5.6.2 Maria	Requirement for protective conductors	botek Anbott K hotek	N/A
5.6.2.1	General requirements	shortek Anbolis Anbolis Anbolis	N/A
5.6.2.2	Colour of insulation	hotek Anbores Anst	N/A
5.6.3	Requirement for protective earthing conductors	hotek Anbotek Anto	N/A
in otek	Protective earthing conductor size (mm²):	And Anbotek An	_
5.6.4	Requirement for protective bonding conductors	Anbu tek sobotek	N/A
5.6.4.1	Protective bonding conductors	potek Anbo	N/A
Anbo	Protective bonding conductor size (mm²)	Anbotek Anbotek	_
otek Ar	Protective current rating (A):	Autores Autore Ali	_
5.6.4.3	Current limiting and overcurrent protective devices	Anbotek Anbotek Ant	N/A
5.6.5	Terminals for protective conductors	Aribb otek anbotek	N/A
5.6.5.1	Requirement	porek Anto	N/A
tek an	Conductor size (mm²), nominal thread diameter (mm).	inbotek Anbotek Anbotek	N/A
5.6.5.2	Corrosion	Anhotek Anbotek Anbo	N/A
5.6.6	Resistance of the protective system	Anbo tek anbotek Anb	N/A
5.6.6.1	Requirements	Anton ak abotek A	N/A
5.6.6.2	Test Method Resistance (Ω)	(See appended table 5.6.6.2)	N/A
5.6.7	Reliable earthing	nbotek Anbote Am notek	N/A
5.7 Ant	Prospective touch voltage, touch current and prote	ective conductor current	N/A
5.7.2	Measuring devices and networks	Anbotek Anbotek Anbo	N/A
5.7.2.1	Measurement of touch current	(See appended table 5.7.4)	N/A
5.7.2.2	Measurement of prospective touch voltage	K hotek Anborek A	N/A
5.7.3	Equipment set-up, supply connections and earth connections	potek Aupotek Aupotek	N/A
ok Aup	System of interconnected equipment (separate connections/single connection):	Aupotek Aupotek Aupotek	
-hotek	Multiple connections to mains (one connection at a time/simultaneous connections)	Anbotek Anbotek Anbo	_





D. N.	Page 15 of 64	Report No.: 18230SC100	061801
	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Anbolek	Anton Antone Antone Antone	otek Anbolek Anbo	botek
5.7.4	Earthed conductive accessible parts	(See appended Table 5.7.4)	N/A
5.7.5	Protective conductor current	Job Anbotek Anbote	N/A
in Bir	Supply Voltage (V)	Anbore Anbores	_
upors p	Measured current (mA)	Anbore And hotek Anbo	_
Aupore	Instructional Safeguard	(See F.4 and F.5)	N/A
5.7.6	Prospective touch voltage and touch current due to external circuits	lek Anbore Anborek	N/A
5.7.6.1	Touch current from coaxial cables	bo Ak hotek Anbotes	N/A
5.7.6.2	Prospective touch voltage and touch current from external circuits	Anbotek Anbotek Anbotek	N/A
5.7.7	Summation of touch currents from external circuits	Anbotek Anbotek An	N/A
Anbo.	a) Equipment with earthed external circuits Measured current (mA):	otek Anbotek Anbotek	N/A
ek Anbo	b) Equipment whose external circuits are not referenced to earth. Measured current (mA):	Anbotek Anbotek Anbotek	N/A

6	ELECTRICALLY- CAUSED FIRE		otek P Ar
6.2	Classification of power sources (PS) and potential in	gnition sources (PIS)	mote/P
6.2.2	Power source circuit classifications	tek obotek Anbote	Pek
6.2.2.1	General	tek abotek Anbore	Potek
6.2.2.2	Power measurement for worst-case load fault:	(See appended table 6.2.2)	PP
6.2.2.3	Power measurement for worst-case power source fault:	(See appended table 6.2.2)	prek P Anton
6.2.2.4	PS1:	(See appended table 6.2.2)	work!P
6.2.2.5	PS2	(See appended table 6.2.2)	P
6.2.2.6	PS3:	ok hotek Anbore	N/A
6.2.3	Classification of potential ignition sources	anbott Anbotest	P
6.2.3.1	Arcing PIS:	Anbore Anbore	N/A
6.2.3.2	Resistive PIS:	Anbore And atek And	sek P Mup
6.3	Safeguards against fire under normal operating and	d abnormal operating conditions	botek P
6.3.1 (a)	No ignition and attainable temperature value less than 90 % defined by ISO 871 or less than 300 °C for unknown materials:	(See appended table 5.4.1.5, 6.3.2, 9.0, B.2.6)	Anbotek P Anbotek
6.3.1 (b)	Combustible materials outside fire enclosure	V-0 enclosure and PCB used	Panbotel
6.4	Safeguards against fire under single fault conditions	hotek Anbores Anb	ek P nob
6.4.1	Safeguard Method	Control of fire spread	P





Page 16 of 64 Report No.: 18230SC10061801

otek p	Page 16 of 64 IEC 62368-1	Report No.: 18230SC100	rek no
Clause	Requirement + Test	Result - Remark	Verdict
Olause	Requirement 1 rest	Tresuit Tremain	Volulot
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	abotek Anbotek Anbotek	Anbo. AnBotek
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	V-0 enclosure and PCB used	Pupoi
6.4.3.1	General	Anto Lek abotek Anbo	N/A
6.4.3.2	Supplementary Safeguards	Anbor Ar abotek Ar	N/A
Anborek	Special conditions if conductors on printed boards are opened or peeled	ntek Anbotek Anbotek	N/A
6.4.3.3	Single Fault Conditions::	(See appended table 6.4.3)	N/A
rek pr	Special conditions for temperature limited by fuse	Anbo. Anborek Anbore	N/A
6.4.4	Control of fire spread in PS1 circuits	Anbo	P
6.4.5	Control of fire spread in PS2 circuits	Anbor ak hotek An	P
6.4.5.2	Supplementary safeguards:	(See appended tables 4.1.2 and Annex G)	Anbotek P
6.4.6	Control of fire spread in PS3 circuit	bo wak abotek Anbore	N/A
6.4.7	Separation of combustible materials from a PIS	Aupore Will Posek Aupore	N/A
6.4.7.1	General:	(See tables 6.2.3.1 and 6.2.3.2)	N/A
6.4.7.2	Separation by distance	Anbore Anti-	N/A
6.4.7.3	Separation by a fire barrier	k Anbores Ane Otek	N/A
6.4.8	Fire enclosures and fire barriers	otek Anboret Ann	anb Pak
6.4.8.1	Fire enclosure and fire barrier material properties	V-0	Photel
6.4.8.2.1	Requirements for a fire barrier	Anbotek Anbotek	N/A
6.4.8.2.2	Requirements for a fire enclosure	Anti-	P P
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	Anbotek Anbotek Anb	abotekP
6.4.8.3.1	Fire enclosure and fire barrier openings	stek anbotek Anbo	N/A
6.4.8.3.2	Fire barrier dimensions	stek Supotek Aupo.	N/A
6.4.8.3.3	Top Openings in Fire Enclosure: dimensions (mm)	Anbotek Anbotek Anbote	N/A
boten P	Needle Flame test	Anboten Anbo	N/A N
6.4.8.3.4	Bottom Openings in Fire Enclosure, condition met a), b) and/or c) dimensions (mm)	Anbotek Anbotek Ar	N/A
Anbotek	Flammability tests for the bottom of a fire enclosure	hotek Anbotek Anbotek	N/A
6.4.8.3.5	Integrity of the fire enclosure, condition met: a), b) or c)	Anbotek Anbotek Anbotek	N/A
6.4.8.4	Separation of PIS from fire enclosure and fire barrier distance (mm) or flammability rating	V-0	ek P An





	Page 17 of 64	Report No.: 18230SC100	061801
	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Anborek	Anton Ak hotek Anbote Kins	Mek Anborek Anbo	-hotek
6.5	Internal and external wiring	tek nbotek Anbore	Prek
6.5.1	Requirements	abotek Anbote	And P otel
6.5.2	Cross-sectional area (mm²):	Aupo, Wy Polek Aupole,	_
6.5.3	Requirements for interconnection to building wiring:	Anbotek Anbotek Anbo	N/A
6.6	Safeguards against fire due to connection to additional equipment	ek Anbotek Anbotek An	N/A
ek Anbore	External port limited to PS2 or complies with Clause Q.1	botek Anbotek Anbotek	N/A

7	INJURY CAUSED BY HAZARDOUS SUBSTANCES	P P
7.2	Reduction of exposure to hazardous substances	N/A
7.3	Ozone exposure	N/A
7.4	Use of personal safeguards (PPE)	N/A
Aur.	Personal safeguards and instructions:	otek _
7.5	Use of instructional safeguards and instructions	N/A
Anbotek	Instructional safeguard (ISO 7010):	_
7.6	Batteries	N/A

8	MECHANICALLY-CAUSED INJURY		P. Potek
8.1	General	Enclosure is smooth and no mechanical energy sources	P Anbor
8.2	Mechanical energy source classifications	MS1	otek P Ant
8.3	Safeguards against mechanical energy sources	sk vupotek Vupor Vi	N/A
8.4	Safeguards against parts with sharp edges and corners	otek Anbotek Anbotek	N/A
8.4.1	Safeguards	anbotek Anbe sek abotek	N/A
8.5	Safeguards against moving parts	Anbotek Anbo. Ak botel	N/A
8.5.1	MS2 or MS3 part required to be accessible for the function of the equipment	Anbotek Anbotek Anb	N/A
8.5.2	Instructional Safeguard:	Anbo sek nbotek A	
8.5.4	Special categories of equipment comprising moving parts	her Anbotek Anbotek	N/A
8.5.4.1	Large data storage equipment	atek anbotek Anbot	N/A
8.5.4.2	Equipment having electromechanical device for destruction of media	Anbotek Anbotek Anbotek	N/A
8.5.4.2.1	Safeguards and Safety Interlocks:	(See Annex F.4 and Annex K)	N/A





Page 18 of 64 Report No.: 18230SC10061801

hipoto	IEC 62368-1	Anbor An niek anb	oter p
Clause	Requirement + Test	Result - Remark	Verdict
Anbore	Ann Jok Hotek Anbo	rek Anbole And	shotek
8.5.4.2.2	Instructional safeguards against moving parts	stek anbotek Anbo.	N/A
ek ob	Instructional Safeguard:	ho tek hopotek Vupo,	_
8.5.4.2.3	Disconnection from the supply	Anbo Lek nborek Anbore	N/A
8.5.4.2.4	Probe type and force (N)	Anbo. Anbotek Anb	N/A
8.5.5	High Pressure Lamps	Anbor Ar shotek A	N/A
8.5.5.1	Energy Source Classification	lek Aupore Arr. Potek	N/A
8.5.5.2	High Pressure Lamp Explosion Test	(See appended table 8.5.5.2)	N/A
8.6	Stability	shortek Anbore Ann stek	N/A
8.6.1	Product classification	Anborek Anbores Anb	N/A
bolek.	Instructional Safeguard	Antotek Anbotek Anto	_
8.6.2	Static stability	And otek anbotek Ar	N/A
8.6.2.2	Static stability test	and Andrew	N/A
Aniao	Applied Force:	potek Anbo tek Anbotek	
8.6.2.3	Downward Force Test	Anborek Anbo	N/A
8.6.3	Relocation stability test	anbotel Antion all abot	N/A
nbotek	Unit configuration during 10° tilt:	Anbotek Anbote	_
8.6.4	Glass slide test	ek anbotek Anbote An	N/A
8.6.5	Horizontal force test (Applied Force):	tek upotek Vupote.	N/A
k aloof	Position of feet or movable parts:	or Ar shortek Anbotes	- 00
8.7	Equipment mounted to wall or ceiling	Tupose VIII.	N/A
8.7.1	Mounting Means (Length of screws (mm) and mounting surface)	Anbotek Anbotek Anbot	N/A
8.7.2	Direction and applied force:	k supotek Vupote Vu	N/A
8.8	Handles strength	sek abotek Anbote	N/A
8.8.1	Classification	bis William William	N/A
8.8.2	Applied Force	Inbore An hotek Anbotek	N/A
8.9	Wheels or casters attachment requirements	Anbore Anbore	N/A
8.9.1	Classification	Anboten And	N/A
8.9.2	Applied force:	Anboien Anbo	_
8.10	Carts, stands and similar carriers	stek Vupotek Vupo	N/A
8.10.1	General	Lotek Anborek Anbor	N/A
8.10.2	Marking and instructions	otek Anbotek Anbore	N/A
rek w	Instructional Safeguard:	And tek abotek Antonie	VUL
8.10.3	Cart, stand or carrier loading test and compliance	Albore All botek Anti	N/A



Page 19 of 64	Report No.: 18230SC10061801

	Page 19 of 64	Report No.: 18230SC100	061801
	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Anborek	Anbo Ak Hotek Anbore Ant	otek Anbores Anbo	-hotek
	Applied force:	otek Ambotek Amboro	
8.10.4	Cart, stand or carrier impact test	tek abotek Anbote	N/A
8.10.5	Mechanical stability	Anborek Anborek	N/A
100. b	Applied horizontal force (N)	Anbo Ak abotek Anbo	
8.10.6	Thermoplastic temperature stability (°C)	Anbor An borek An	N/A
8.11	Mounting means for rack mounted equipment	lek Anbo k Anbotek	N/A
8.11.1	General	botek Anbolt Ambotek	N/A
8.11.2	Product Classification	abotek Anbote And And	N/A
8.11.3	Mechanical strength test, variable N	botek Anbotel And	N/A
8.11.4	Mechanical strength test 250N, including end stops	Anbotek Anbotek Anbo	N/A
8.12	Telescoping or rod antennas	(See Annex T)	N/A
And	Button/Ball diameter (mm)	And otek unbotek	

9	THERMAL BURN INJURY		Р
9.2	Thermal energy source classifications	Classified as TS1	Р
9.3	Safeguard against thermal energy sources		N/A
9.4	Requirements for safeguards		N/A
9.4.1	Equipment safeguard		N/A
9.4.2	Instructional safeguard	:	N/A

10	RADIATION		PARID
10.2	Radiation energy source classification	Anbore And otek anb	P Anb
10.2.1	General classification	LED light, RS1	nbotekP I
10.3	Protection against laser radiation	No laser radiation	N/A
Anbore	Laser radiation that exists equipment:	wotek Anbotek Anbo	_
tek anb	Normal, abnormal, single-fault:	(See attached laser test report)	N/A
rek.	Instructional safeguard:	And stek Anbotek Anbot	_
upo tek	Tool:	Anbertek Anborek Anber	_
10.4	Protection against visible, infrared, and UV radiation	RS1 conformed	ibo P
10.4.1	General	ntek Anbotek Anbo	Potek
10.4.1.a)	RS3 for Ordinary and instructed persons	otek anbotek Anbo	N/A
10.4.1.b)	RS3 accessible to a skilled person	Anbotek Anbotek	N/A
anbotek A	Personal safeguard (PPE) instructional safeguard	Anbotek Anbotek Anbo	_





Page 20 of 64 Report No.: 18230SC10061801

notek p	Page 20 of 64 IEC 62368-1	Report No.: 18230SC100	W	
Clause Requirement + Test Result - Remark Verdic				
Clause	Requirement + Test	Result - Remark	verdict	
10.4.1.c)	Equipment visible, IR, UV does not exceed RS1.:	ter upp stek vupologik	N/A	
10.4.1.d)	Normal, abnormal, single-fault conditions:	upotek hupo, y	N/A	
10.4.1.e)	Enclosure material employed as safeguard is	Vuporok Bupos Vi	N/A	
10.4.1.0)	opaque	Anbotek Anbote An	ek M	
10.4.1.f)	UV attenuation	nbotek Anbote Am	N/A	
10.4.1.g)	Materials resistant to degradation UV	ek spolek Aupole A	N/A	
10.4.1.h)	Enclosure containment of optical radiation	ok hotek Anbote	N/A	
10.4.1.i)	Exempt Group under normal operating conditions	both Anbotek Anbotek	Anbot Anbot	
10.4.2	Instructional safeguard:	-botek Anbore Aris	N/A	
10.5	Protection against x-radiation	botek Anbotes Anco	N/A	
10.5.1	X- radiation energy source that exists equipment:	(See appended table B.3 & B.4)	N/A	
Anbo	Normal, abnormal, single fault conditions	Arthur Stek Nabotek	N/A	
Anto	Equipment safeguards	pole And tek anbotek	N/A	
AUDO	Instructional safeguard for skilled person:	ambotes Ant abotek	N/A	
10.5.3	Most unfavourable supply voltage to give maximum radiation:	Anbotek Anbotek Anbote	_	
Up. Usk	Abnormal and single-fault condition:	(See appended table B.3 & B.4)	N/A	
Aup	Maximum radiation (pA/kg)	And tek abotek	N/A	
10.6	Protection against acoustic energy sources	otek Anbo	N/A	
10.6.1	General	inbotek Anbo tek abotek	N/A	
10.6.2	Classification	Anbotek Anbo. Ak hote	N/A	
botek	Acoustic output, dB(A)	abotek Anbota Att	N/A	
bojek	Output voltage, unweighted r.m.s:	Anbore Ant	N/A	
10.6.4	Protection of persons	ok hotek Anbotes p	N/A	
Am	Instructional safeguards:	otek anbotek	N/A	
ek Anb	Equipment safeguard prevent ordinary person to RS2:	Thore Anbotek Anbotek	_	
ootek p	Means to actively inform user of increase sound pressure:	Anborek Anbores Anbo	_	
Anborek	Equipment safeguard prevent ordinary person to RS2:	ek upotek Anbotek A	_	
10.6.5	Requirements for listening devices (headphones, earphones, etc.)	botek Anbotek Anbotek	N/A	
10.6.5.1	Corded passive listening devices with analog input	Anbotek Anbotek Anbotek	N/A	
Anbotek	Input voltage with 94 dB(A) L _{Aeq} acoustic pressure output	Anbotek Anbotek Anbo	_	
		A CONTRACTOR OF THE PARTY OF TH		



	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Anborek	Anbour Anbour Anbour	rek Anbores Anbe	-botek
10.6.5.2	Corded listening devices with digital input		N/A
ek ab	Maximum dB(A):	abotek Anbote	_
10.6.5.3	Cordless listening device	Anborek Anborek	N/A
00,00	Maximum dB(A):	Anboy Anboy	_

В	NORMAL OPERATING CONDITION TESTS, ABI CONDITION TESTS AND SINGLE FAULT COND	NORMAL OPERATING ITION TESTS	Anbot P
B.2	Normal Operating Conditions	bo Arbore	Amb
B.2.1	General requirements:	Anbote Anbotek	N/A
poten A	Audio Amplifiers and equipment with audio amplifiers:	Anborek Amborek Anbor	N/A
B.2.3	Supply voltage and tolerances	ok botek Anbotes An	, P
B.2.5	Input test	(See appended table B.2.5)	Anb Pek
B.3	Simulated abnormal operating conditions	bore Am Lotek Amboten	N/A
B.3.1	General requirements	Anbore And Stek Anborek	N/A
B.3.2	Covering of ventilation openings	Anbores Ant stek short	N/A
B.3.3	D.C. mains polarity test	Anborek Anbe	N/A
B.3.4	Setting of voltage selector:	k supotek Aupo	N/A
B.3.5	Maximum load at output terminals	tek nbotek Anbo	N/A
B.3.6	Reverse battery polarity	tek abotek Anbot	N/A
B.3.7	Abnormal operating conditions as specified in Clause E.2.	Anbotek Anbotek Anbote	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions	Anbotek Anbotek Anb	N/A
B.4	Simulated single fault conditions	Pupper stek vupotek	nbon P
B.4.2	Temperature controlling device open or short-circuited:	(See appended table B.4)	N/A
B.4.3	Motor tests	hotek Anbotek Anbo	N/A
B.4.3.1	Motor blocked or rotor locked increasing the internal ambient temperature:	(See Clause G.5)	N/A
B.4.4	Short circuit of functional insulation	Anbores Anti-	,botek P
B.4.4.1	Short circuit of clearances for functional insulation	tek Aupoten Aupo. tek	nobol P ^k
B.4.4.2	Short circuit of creepage distances for functional insulation	botek Anbotek Anbotek	Potek
B.4.4.3	Short circuit of functional insulation on coated printed boards	Anbotek Anbotek Anbotek	P. Ibo
B.4.5	Short circuit and interruption of electrodes in tubes and semiconductors	Amborek Amborek Anti-	potek P





Page 22 of 64 Report No.: 18230SC10061801

IEC 62368-1				
Clause	Requirement + Test	Result - Remark	Verdict	
anborek	Anto ak motek Anlouse him	stek anbotek Anbo	bojek	
B.4.6	Short circuit or disconnect of passive components	tek nbotek Anbore	Prek	
B.4.7	Continuous operation of components	lipo, wek apolek Aupole	N/A	
B.4.8	Class 1 and Class 2 energy sources within limits during and after single fault conditions	Vupotek Vupotek Vupote	ek Pur	
B.4.9	Battery charging under single fault conditions:	anbotek Anbote All	N/A	
С	UV RADIATION		N/A	
C.1	Protection of materials in equipment from UV radiation	botek Anbotek Anbotek	N/A	
C.1.2	Requirements	anbotek Anbot A notek	N/A	
C.1.3	Test method	abotek Anbote And	N/A	
C.2	UV light conditioning test	Anbotek Anbotes And	N/A	
C.2.1	Test apparatus	k hotek Anbotek An	N/A	
C.2.2	Mounting of test samples	Answerk Anboten	N/A	
C.2.3	Carbon-arc light-exposure apparatus	potes And atek Anbotek	N/A	
C.2.4	Xenon-arc light exposure apparatus	Anborek Ann stek anbotek	N/A	
D	TEST GENERATORS		N/A	
D.1	Impulse test generators	Anbotek Anbo ak	N/A	
D.2	Antenna interface test generator	k anbotek Anbot Ak	N/A	
D.3	Electronic pulse generator	sek obotek Anbote	N/A	
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	NING AUDIO AMPLIFIERS	N/A	
E.1	Audio amplifier normal operating conditions	unbo. A hotek Anbote.	N/A	
No. Du	Audio signal voltage (V)	Anbore Andrew	_	
horen	Rated load impedance (Ω):	Anbores Are		
E.2	Audio amplifier abnormal operating conditions	k Aupoles Aug	N/A	
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND	INSTRUCTIONAL SAFEGUARDS	aboP ^{jk}	
F.1 Naboti	General requirements	otek Anbotek Anbo	Pote	
ek an	Instructions – Language:	English		
F.2	Letter symbols and graphical symbols	Anborek Anborek	P	
F.2.1	Letter symbols according to IEC60027-1	Anbo Al Abotek Anbo	P	
F.2.2	Graphic symbols IEC, ISO or manufacturer specific	tek Aupotek Aupotek V.	botek P	
F.3 nobote	Equipment markings	otek nobotek Anbor	Potel	
F.3.1	Equipment marking locations	Jon Wholek Vuporer	P	
F.3.2	Equipment identification markings	Auporak Auporak	P	
F.3.2.1	Manufacturer identification	See page 3	- N-	



Page 23 of 64 Report No.: 18230SC10061801

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Aupoles	And ak hotek Anbo	tek anbole And	-potek
F.3.2.2	Model identification:	See page 3	
F.3.3	Equipment rating markings	See page 3	P
F.3.3.1	Equipment with direct connection to mains	Anborek Anborek	N/A
F.3.3.2	Equipment without direct connection to mains	Anbor Anborek Anbor	P
F.3.3.3	Nature of supply voltage:	==-used	_
F.3.3.4	Rated voltage	See label	_
F.3.3.5	Rated frequency	botek Anbore Am	_
F.3.3.6	Rated current or rated power:	See label	_
F.3.3.7	Equipment with multiple supply connections	Potek Aupoles Aupo	N/A
F.3.4	Voltage setting device	Antorek Anborek Anto	N/A
F.3.5	Terminals and operating devices	Ambotek Anbotek An	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings:	notek Anbotek Anbotek	N/A
F.3.5.2	Switch position identification marking:	hotek Anbotek Anb	N/A
F.3.5.3	Replacement fuse identification and rating markings:	Amborek Amborek Amber	N/A
F.3.5.4	Replacement battery identification marking:	Aupoles Aug	N/A
F.3.5.5	Terminal marking location	k Anbotes Anb	N/A
F.3.6	Equipment markings related to equipment classification	otek Anbotek Anbotek	N/A
F.3.6.1	Class I Equipment	Introle And Antorek	N/A
F.3.6.1.1	Protective earthing conductor terminal	Anbote Ann stek Anbote	N/A
F.3.6.1.2	Neutral conductor terminal	Anborek Anbo	N/A
F.3.6.1.3	Protective bonding conductor terminals	k Anbotek Anbo	N/A
F.3.6.2	Class II equipment (IEC60417-5172)	tek napotek Anbo.	N/A
F.3.6.2.1	Class II equipment with or without functional earth	stek anbotek Anbots	N/A
F.3.6.2.2	Class II equipment with functional earth terminal marking	Anbotek Anbotek Anbotek	N/A
F.3.7	Equipment IP rating marking:	Anbotek Anbo ak abo	
F.3.8	External power supply output marking	Anbotek Anbot An	hote ^k P
F.3.9	Durability, legibility and permanence of marking	rek abotek Anbotes A	P.
F.3.10	Test for permanence of markings	After test there was no damage on the label. The marking on the label did not fade. There was no curling and lifting of the label edge.	Anborel Anborel
F.4	Instructions	abote! Anbo. W.	ek P N



*ek	Page 24 of 64	Report No.: 18230SC10	061801
po,	IEC 62368-1	Anbor Anb	oter p
Clause	Requirement + Test	Result - Remark	Verdict
Aupore	And Andrew Andrew	rek Anbore An	arbotek
Anbote	a) Equipment for use in locations where children not likely to be present - marking	ibotek Anbotek Anbotek	N/A
	b) Instructions given for installation or initial use		N/A
potek p	c) Equipment intended to be fastened in place	aupotek Vidos VK Vid	N/A
Anbotek	d) Equipment intended for use only in restricted access area	Anbotek Anbotek An	N/A
Anbotek	e) Audio equipment terminals classified as ES3 and other equipment with terminals marked in accordance F.3.6.1	botek Anbotek Anbotek	N/A
Anto	f) Protective earthing employed as safeguard	Ambotes And Stek Ambotek	N/A
otek A	g) Protective earthing conductor current exceeding ES 2 limits	Anborek Anborek Anbor	N/A
in otek	h) Symbols used on equipment	Ans otek Anbotek An	N/A
Anbotek	i) Permanently connected equipment not provided with all-pole mains switch	Anbotek Anbotek	N/A
k Anbo	j) Replaceable components or modules providing safeguard function	Anbotek Anbotek Anbotek	N/A
F.5	Instructional safeguards	Anbore Anbor	N/A
nbotek Anbotek	Where "instructional safeguard" is referenced in the test report it specifies the required elements, location of marking and/or instruction	k Anbotek Anbotek An	N/A
G	COMPONENTS		Anb Per
G.1 Aribot	Switches	hotek Anbore Am	Roote
G.1.1	General requirements	hotek Anbotek Anbo	P
G.1.2	Ratings, endurance, spacing, maximum load	Anborek Anborek Anbor	N/A
G.2	Relays	Air atek anboten Ant	N/A
G.2.1	General requirements	Anbo stek unbotek	N/A
G.2.2	Overload test	And tek abotek	N/A
G.2.3	Relay controlling connectors supply power	hbotek Anbor Ar botek	N/A
G.2.4	Mains relay, modified as stated in G.2	Anborek Anbore Ambore	N/A
G.3	Protection Devices	anbotek Anbote An	N/A
G.3.1	Thermal cut-offs	abotek Anbore Am	N/A
G.3.1.1a) &b)	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	tek Anbotek Anbotek	N/A
G.3.1.1c)	Thermal cut-outs tested as part of the equipment as indicated in c)	botek Anbotek Anbotek	N/A
G.3.1.2	Thermal cut-off connections maintained and secure	Anbotek Anbotek Anbote	N/A
	Thermal links	rek about An-	N/A



Page 25 of 64 Report No.: 18230SC10061801

DOTE AND THE ADDRESS AND SEEK			
Clause	Requirement + Test	Result - Remark	Verdict
Anbore	Ann Annotek Anhovek Anhov	Antone Antonek	Anhotek
G.3.2.1a)	Thermal links separately tested with IEC 60691	sporek Anbore, And	N/A
G.3.2.1b)	Thermal links tested as part of the equipment	hotek Anbotek Anbu	N/A
nek .	Aging hours (H):	And Anborek Anbor	_
bo tok	Single Fault Condition:	Anbo wak whotek Anbo	
Aupo.	Test Voltage (V) and Insulation Resistance (Ω). :	Anbo. Ak botek A	_
G.3.3	PTC Thermistors	olek Auport All Potek	N/A
G.3.4	Overcurrent protection devices	potek Anbote Ant	N/A
G.3.5	Safeguards components not mentioned in G.3.1 to	o G.3.5	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	Anborek Anborek Anbo	N/A
G.3.5.2	Single faults conditions:	(See appended Table B.4)	N/A
G.4	Connectors	stek Anbotes Anti-	N/A
G.4.1	Spacings	otek Anboren Anbo	N/A
G.4.2	Mains connector configuration	otek Anbotek Anbo	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	Anbotek Anbotek Anbot	N/A
G.5	Wound Components	Anboren Ant	N/A
G.5.1	Wire insulation in wound components	(See Annex J)	N/A
G.5.1.2 a)	Two wires in contact inside wound component, angle between 45° and 90°	Notek Anbotek Anbotek	N/A
G.5.1.2 b)	Construction subject to routine testing	anbotek Anbotek	N/A
G.5.2	Endurance test on wound components	Anbotel Anbo Lek abote	N/A
G.5.2.1	General test requirements	Anbotek Anbo	N/A
G.5.2.2	Heat run test	ek nbotek Anbou	N/A
potek	Time (s)	ack abotek Anbotes	_
- Post	Temperature (°C)	o k botek Anbore	
G.5.2.3	Wound Components supplied by mains	Anborek Amborek	N/A
G.5.3	Transformers	Anbote Anbotek Anbote	N/A
G.5.3.1	Requirements applied (IEC61204-7, IEC61558-1/-2, and/or IEC62368-1)	Anbotek Anbotek Anb	N/A
hotek	Position	ok botek Anbore	_
Marchel	Method of protection:	ok hotek Anborek	_
G.5.3.2	Insulation	Wipotes, Yupotek Vupotek	N/A
or bup	Protection from displacement of windings:	Anboten Anbotek	
G.5.3.3	Overload test	(See appended table B.3)	N/A
G.5.3.3.1	Test conditions	All	N/A





Page 26 of 64 Report No.: 18230SC10061801

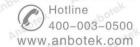
ret.	IEC 62368-1	Ant abotek Anbe	N.
Clause	Requirement + Test	Result - Remark	Verdict
G.5.3.3.2	Winding Temperatures testing in the unit	blek Aupo, sek upolek	N/A
G.5.3.3.3	Winding Temperatures - Alternative test method	updiek wapon y	N/A
3.5.4	Motors	Upotok Pupo, Vita Polist	N/A
G.5.4.1	General requirements	Authorisk Authoris All	N/A
nbotek	Position:	Antorek Antore Anto	
G.5.4.2	Test conditions	ek abotek Anbote An	N/A
G.5.4.3	Running overload test	ak hotek Antotek	N/A
G.5.4.4	Locked-rotor overload test	hotel And hotek Anbotek	N/A
3.3.4.4	Test duration (days):	Anboten Anbotek Anbotek	IN/A
G.5.4.5	Running overload test for d.c. motors in secondary circuits	Anbotek Anbotek Anbotek	N/A
G.5.4.5.2	Tested in the unit	ek spotek Ambore An	N/A
an abotek	Electric strength test (V):	rek potek Anbore	
G.5.4.5.3	Tested on the Bench - Alternative test method; test time (h)	Anbotek Anbotek Anbotek	N/A
Diek W	Electric strength test (V)	Aupotex Aupo	
G.5.4.6	Locked-rotor overload test for d.c. motors in secondary circuits	Anbotek Anbotek Ant	N/A
G.5.4.6.2	Tested in the unit	And total	N/A
Aug	Maximum Temperature:	See table B.4	N/A
Aupo	Electric strength test (V):	Impores Amb	N/A
G.5.4.6.3	Tested on the bench - Alternative test method; test time (h):	Anbotek Anbotek Anbote	N/A
i otek	Electric strength test (V)	And Anbotek Anb	N/A
G.5.4.7	Motors with capacitors	And stek Anbotek A	N/A
G.5.4.8	Three-phase motors	Sten And Stek Anbotek	N/A
G.5.4.9	Series motors	inbotek Anbo	N/A
ek Ant	Operating voltage	anbotek Anbo tek	_
3.6	Wire Insulation	Anbotek Anbo. Ak he	[™] N/A
G.6.1	General	h nbotek Anbor	N/A
G.6.2	Solvent-based enamel wiring insulation	tek abotek Anbore A	N/A
3.7 ₂₀₀ 10	Mains supply cords	o. W. Polek Vipole.	N/A
G.7.1	General requirements	Thou Ar Hotek Ambores	N/A
Y Am	Type	Anbore Ans Lotek Anborek	_
Ofen P	Rated current (A):	Vupose Vup	_





Page 27 of 64 Report No.: 18230SC10061801

tel.	Page 27 of 64	Report No.: 18230SC10	061801	
IEC 62368-1				
Clause	Requirement + Test	Result - Remark	Verdict	
Anbore.	Ann otek Ambrek Anbo A	tek Anbore And	Arbotek	
G.7.2	Compliance and test method	notek anbotek Anbo	N/A	
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	Anbotek Anbotek Anbotek	N/A	
G.7.3.2	Cord strain relief	Aupotek Aupo	N/A	
G.7.3.2.1	Requirements	anbotek Anbot Att	N/A	
nbotek	Strain relief test force (N):	ek abotek Anbote Ar		
G.7.3.2.2	Strain relief mechanism failure	rek potek Anbote	N/A	
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	pot Anbotek Anbotek	_	
G.7.3.2.4	Strain relief comprised of polymeric material	Amboret Amboret	N/A	
G.7.4	Cord Entry:	(See appended table 5.4.11.1)	N/A	
G.7.5	Non-detachable cord bend protection	Anbores Anti	N/A	
G.7.5.1	Requirements	sk anboten Anbo	N/A	
G.7.5.2	Mass (g):	otek anbotek Anbo	_	
K Napo	Diameter (m)	otek Anbotek Anbot	_	
rek v	Temperature (°C):	Aribo tek anbotek Anbote	_	
G.7.6	Supply wiring space	Aupor	N/A	
G.7.6.2	Stranded wire	Anbor All abotek Ant	N/A	
G.7.6.2.1	Test with 8 mm strand	ok Anbor ak abotek	N/A	
G.8 M	Varistors and Annual An	botek Anbound k motek	N/A	
G.8.1 M	General requirements	abotek Anbour k wotek	N/A	
G.8.2	Safeguard against shock	abotek Anbote Anti-	N/A	
G.8.3	Safeguard against fire	hotek Anbore Ans	N/A	
G.8.3.2	Varistor overload test:	(See appended table B.3)	N/A	
G.8.3.3	Temporary overvoltage	(See appended table B.3)	N/A	
G.9	Integrated Circuit (IC) Current Limiters	Jore Ann stek anbotek	N/A	
G.9.1 a)	Manufacturer defines limit at max. 5A.	inbotes Amb	N/A	
G.9.1 b)	Limiters do not have manual operator or reset	Anbore Ant rek nbore	N/A	
G.9.1 c)	Supply source does not exceed 250 VA:	anbotek Anbe		
G.9.1 d)	IC limiter output current (max. 5A)	Anbotek Anbo		
G.9.1 e)	Manufacturers' defined drift:	tek Anbotek Anbotek A	_	
G.9.2	Test Program 1	stek anbotek Anbotek	N/A	
G.9.3	Test Program 2	ibo Anboiek Anboiek	N/A	
G.9.4	Test Program 3	Anbore Ant Hotek Anborek	N/A	
G.10	Resistors	Anbute k wotek anbo	N/A	
G.10.1	General requirements	Authores Aug	N/A	





Page 28 of 64 Report No.: 18230SC10061801

hpo,-	IEC 62368-1	Aupon All Mark Aup	oter A	
Clause	Requirement + Test	Result - Remark	Verdict	
Anboro	Ant Antolek Antolek Anto	niek Anbore An	Arbotek	
G.10.2	Resistor test	hotek Anbotes And	N/A	
G.10.3	Test for resistors serving as safeguards between the mains and an external circuit consisting of a coaxial cable			
G.10.3.1	General requirements	Ann otek anbotek Anbo	N/A	
G.10.3.2	Voltage surge test	Anbotek anbotek Ar	N/A	
G.10.3.3	Impulse test	Anbo ak abotek	N/A	
G.11 Anbor	Capacitor and RC units	nbotek Anbot	N/A	
G.11.1 M	General requirements	abotek Anbott k Anti-	N/A	
G.11.2	Conditioning of capacitors and RC units	botek Anbore Ante	N/A	
G.11.3	Rules for selecting capacitors Optocouplers			
G.12				
Anbotek Anbotek	Optocouplers comply with IEC 60747-5-5:2007 Spacing or Electric Strength Test (specify option and test results)		N/A	
Pr.	Type test voltage Vini:	Anborek Anbores	_	
o _{fer} a	Routine test voltage, Vini,b:	Aupolie Aupoliek Aupoli	_	
G.13	Printed boards	Auporen And Mark Anti	o _{fe} P	
G.13.1	General requirements	ok Aupoles Allin	nbotek P	
G.13.2	Uncoated printed boards	otek Anbores Anbo	nb Pak	
G.13.3	Coated printed boards	work Anbores Anti-	N/A	
G.13.4	Insulation between conductors on the same inner surface	Anbotek Anbotek Anbote	N/A	
hotek	Compliance with cemented joint requirements (Specify construction):	k Anbotek Anbotek Anb	_	
G.13.5	Insulation between conductors on different surfaces	otek Anbotek Anbotek	N/A	
Anboro	Distance through insulation	(See appended table 5.4.4.5)	N/A	
ek Anb	Number of insulation layers (pcs):	abotek Anbore Am	_	
G.13.6	Tests on coated printed boards	botek Anbote And	N/A	
G.13.6.1	Sample preparation and preliminary inspection	Anbotek Anbotes Anb	N/A	
G.13.6.2a)	Thermal conditioning	K hotek Anbotek A	N/A	
G.13.6.2b)	Electric strength test	ore Anno stek Anbotek	N/A	
G.13.6.2c)	Abrasion resistance test	abotek Anbotek	N/A	
G.14	Coating on components terminals	Anbotek Anbol Ali botek	N/A	
G.14.1	Requirements	(See G.13)	N/A	
	ye. Av 'V 'V	Dr. 100	1867	



Page 29 of 64 Report No.: 18230SC10061801

potek	Page 29 of 64 IEC 62368-1	Report No.: 18230SC100	itek a
Clause	Requirement + Test	Result - Remark	Verdict
nbotek	Antonio Ant Antonio Andonio	tek obolek Anbole A	Potek
G.15.1	General requirements	rak abotek Anbotes	N/A
G.15.2	Requirements	hotek Anbore	N/A
G.15.3	Compliance and test methods	Anbore Anbore	N/A
G.15.3.1	Hydrostatic pressure test	Anbore And Motek Anbo	N/A
G.15.3.2	Creep resistance test	Anbore Amb	N/A
G.15.3.3	Tubing and fittings compatibility test	ek Anbotes And	N/A
G.15.3.4	Vibration test	otek Anbotek Anbo	N/A
G.15.3.5	Thermal cycling test	otek Anbotek Anbo	N/A
G.15.3.6	Force test	Arib Anbotek Anbotek	N/A
G.15.4	Compliance	Ant tek abotek Anbo	N/A
G.16	IC including capacitor discharge function (ICX)	Anbe sek storek An	N/A
a) Maria	Humidity treatment in accordance with sc 5.4.8 – 120 hours	otek Anbotek Anbotek	N/A
o) _{Anbo}	Impulse test using circuit 2 with Uc = to transient voltage	Anbotek Anbotek Anbotek	N/A
C1)	Application of ac voltage at 110% of rated voltage for 2.5 minutes	Anbotek Anbotek Anbot	N/A
C2)	Test voltage:	Anbotek Anbotek Anh	_
D1)	10,000 cycles on and off using capacitor with smallest capacitance resistor with largest resistance specified by manufacturer	otek Anbotek Anbotek	N/A
D2)	Capacitance	Inbotek Anbotek	_
D3)	Resistance	Anbotek Anbotek anbote	
1	CRITERIA FOR TELEPHONE RINGING SIGNALS	5	N/A
1.100le	General	Anbole Ane	N/A
H.2 mbotek	Method A	tek unpotek Aupon	N/A
H.3	Method B	tek abotek Anbote	N/A
H.3.1	Ringing signal	upo, My Wholek Wupote,	N/A
H.3.1.1	Frequency (Hz)	Anborek Anborek	_
H.3.1.2	Voltage (V)	Anbore Ak hotek Anbe	
H.3.1.3	Cadence; time (s) and voltage (V)	Andote And Lotek A	_
H.3.1.4	Single fault current (mA):	lek Auguse Aug	
H.3.2	Tripping device and monitoring voltage	botek Anboter And	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage complied with	Anbotek Anbotek Anbotek	N/A
H.3.2.2	Tripping device	Auguster Aug	N/A



Page 30 of 64 Report No.: 18230SC10061801

hotek	Anbote	And stek autor	IEC 62368-1	Report No.: 10230	3010001001
Clause	Anbotek	Requirement + T	olok Wipos	Result - Remark	Verdict

H.3.2.3	Monitoring voltage (V)	stek "upo, by,	VIII.		
J	INSULATED WINDING WIRES FOR USE WITHO	UT INTERLEAVED INSULATION	N/A		
-alt	General requirements	(See separate test report)	N/A		
K	SAFETY INTERLOCKS		N/A		
K.1	General requirements	General requirements			
K.2	Components of safety interlock safeguard mechanism	(See Annex G)	N/A		
K.3	Inadvertent change of operating mode		N/A		
K.4	Interlock safeguard override		N/A		
K.5	Fail-safe		N/A		
	Compliance	(See appended table B.4)	N/A		
K.6	Mechanically operated safety interlocks		N/A		
K.6.1	Endurance requirement		N/A		
K.6.2	Compliance and Test method		N/A		
K.7	Interlock circuit isolation		N/A		
K.7.1	Separation distance for contact gaps & interlock circuit elements (type and circuit location):		N/A		
K.7.2	Overload test, Current (A)		N/A		
K.7.3	Endurance test		N/A		
K.7.4	Electric strength test	(See appended table 5.4.9)	N/A		
L	DISCONNECT DEVICES		N/A		
L.1	General requirements		N/A		
L.2	Permanently connected equipment		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	Multiple power sources		N/A		
М	EQUIPMENT CONTAINING BATTERIES AND TH	HEIR PROTECTION CIRCUITS	N/A		
M.1	General requirements	No such battery used	N/A		
M.2	Safety of batteries and their cells		N/A		
M.2.1	Requirements		N/A		
M.2.2	Compliance and test method (identify method):		N/A		
M.3	Protection circuits		N/A		



Page 31 of 64 Report No.: 18230SC10061801

por	IEC 62368-1	Anbor Air	inboten p
Clause	Requirement + Test	Result - Remark	Verdict
Anboles	And the Hotek Anbour Andrew	K VUPOLE VUP	hotek
M.3.1	Requirements		N/A
M.3.2	Tests		N/A
	- Overcharging of a rechargeable battery		N/A
	- Unintentional charging of a non-rechargeable battery		N/A
	- Reverse charging of a rechargeable battery		N/A
	- Excessive discharging rate for any battery		N/A
M.3.3	Compliance		N/A
M.4	Additional safeguards for equipment containing secondary lithium battery		N/A
M.4.1	General		N/A
M.4.2	Charging safeguards		N/A
M.4.2.1	Charging operating limits		N/A
M.4.2.2a)	Charging voltage, current and temperature:		_
M.4.2.2 b)	Single faults in charging circuitry:		_
M.4.3	4.3 Fire Enclosure		
M.4.4	Endurance of equipment containing a secondary lithium battery		N/A
M.4.4.2	Preparation		N/A
M.4.4.3	Drop and charge/discharge function tests		N/A
	Drop		N/A
	Charge		N/A
	Discharge		N/A
M.4.4.4	Charge-discharge cycle test		N/A
M.4.4.5	Result of charge-discharge cycle test		N/A
M.5	Risk of burn due to short circuit during carrying		N/A
M.5.1	Requirement		N/A
M.5.2	Compliance and Test Method (Test of P.2.3)		N/A
M.6	Prevention of short circuits and protection from other effects of electric current		N/A
M.6.1	Short circuits		N/A
M.6.1.1	General requirements		N/A
M.6.1.2	Test method to simulate an internal fault		N/A
M.6.1.3	Compliance (Specify M.6.1.2 or alternative method):		N/A
M.6.2	Leakage current (mA):		N/A





Page 32 of 64 Report No.: 18230SC10061801

botek	Page 32 of 64 IEC 62368-1	Report No.: 18230SC10	otek		
Clause	Requirement + Test	Result - Remark	Verdict		
A bolek	Anbotes, An otek Anbotek Anbo.	ak abotek Anbote	Alle		
M.7	Risk of explosion from lead acid and NiCd batteries	200	N/A		
M.7.1	Ventilation preventing explosive gas concentration		N/A		
M.7.2	Compliance and test method				
M.8	Protection against internal ignition from external spark sources of lead acid batteries				
M.8.1	General requirements		N/A		
M.8.2	Test method		N/A		
M.8.2.1	General requirements		N/A		
M.8.2.2	Estimation of hypothetical volume Vz (m³/s):		_		
M.8.2.3	I.8.2.3 Correction factors:		_		
M.8.2.4	Calculation of distance d (mm):		_		
M.9	Preventing electrolyte spillage		N/A		
M.9.1	9.1 Protection from electrolyte spillage				
M.9.2	9.2 Tray for preventing electrolyte spillage		N/A		
M.10			N/A		
N	ELECTROCHEMICAL POTENTIALS		N/A		
	Metal(s) used F	Pollution degree considered	_		
0	MEASUREMENT OF CREEPAGE DISTANCES AN	ID CLEARANCES	N/A		
	Figures O.1 to O.20 of this Annex applied:		_		
Р	SAFEGUARDS AGAINST ENTRY OF FOREIGN O	BJECTS AND SPILLAGE OF	N/A		
P.1	General requirements		N/A		
P.2.2	Safeguards against entry of foreign object		N/A		
	Location and Dimensions (mm)		_		
P.2.3	Safeguard against the consequences of entry of foreign object		N/A		
P.2.3.1	Safeguards against the entry of a foreign object		N/A		
	Openings in transportable equipment		N/A		
	Transportable equipment with metalized plastic parts:		N/A		
P.2.3.2	Openings in transportable equipment in relation to metallized parts of a barrier or enclosure (identification of supplementary safeguard):		N/A		
P.3	Safeguards against spillage of internal liquids		N/A		



Page 33 of 64 Report No.: 18230SC10061801

(po,	IEC 62368-1	Anbo. All otek	Anboter P
Clause	Requirement + Test	Result - Remark	Verdict
Anbore	Arth ak hotek Anbor Arthur	otek Aupole. Yun	hotek
P.3.1	General requirements		N/A
P.3.2	Determination of spillage consequences		N/A
P.3.3	Spillage safeguards		N/A
P.3.4	Safeguards effectiveness		N/A
P.4	Metallized coatings and adhesive securing parts		N/A
P.4.2 a)	Conditioning testing		N/A
	Tc (°C):		_
	Tr (°C)		_
	Ta (°C)		_
P.4.2 b)	Abrasion testing:	(See G.13.6.2)	N/A
P.4.2 c)	Mechanical strength testing:	(See Annex T)	N/A
Q	CIRCUITS INTENDED FOR INTERCONNECTION	WITH BUILDING WIRING	N/A
Q.1	Limited power sources	See Annex Q.1	N/A
Q.1.1 a) Inherently limited output			N/A
Q.1.1 b)	Impedance limited output		N/A
	- Regulating network limited output under normal operating and simulated single fault condition	(See appended table Q.1)	N/A
Q.1.1 c)	Overcurrent protective device limited output		N/A
Q.1.1 d)	IC current limiter complying with G.9		N/A
Q.1.2	Compliance and test method	(See appended table Q.1)	N/A
Q.2	Test for external circuits – paired conductor cable		N/A
	Maximum output current (A):		_
	Current limiting method:		_
R	LIMITED SHORT CIRCUIT TEST		N/A
R.1	General requirements		N/A
R.2	Determination of the overcurrent protective device and circuit		N/A
R.3	Test method Supply voltage (V) and short-circuit current (A)):		N/A
S	TESTS FOR RESISTANCE TO HEAT AND FIRE		N/A
S.1	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W		N/A
	Samples, material:		
	Wall thickness (mm)		_
	Conditioning (°C):		



Page 34 of 64 Report No.: 18230SC10061801

	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Anbore.	And thotak Anbour	tek Aupotes Aupo	hotek
	Test flame according to IEC 60695-11-5 with conditions as set out		N/A
	- Material not consumed completely		N/A
	- Material extinguishes within 30s		N/A
	- No burning of layer or wrapping tissue		N/A
S.2	Flammability test for fire enclosure and fire barrier integrity		N/A
	Samples, material:		
	Wall thickness (mm):		
	Conditioning (°C):		_
	Test flame according to IEC 60695-11-5 with conditions as set out		N/A
	Test specimen does not show any additional hole		N/A
S.3	Flammability test for the bottom of a fire enclosure		N/A
	Samples, material:		
	Wall thickness (mm):		_
	Cheesecloth did not ignite		N/A
5.4	Flammability classification of materials		N/A
S.5	Flammability test for fire enclosure materials of equipment with a steady-state power exceeding 4000 W		N/A
	Samples, material:		_
	Wall thickness (mm):		_
	Conditioning (test condition), (°C):		
	Test flame according to IEC 60695-11-20 with conditions as set out		N/A
	After every test specimen was not consumed completely		N/A
	After fifth flame application, flame extinguished within 1 min		N/A
Г	MECHANICAL STRENGTH TESTS		Р
Γ.1	General requirements		Р
Γ.2	Steady force test, 10 N		N/A
Г.3	Steady force test, 30 N	(See appended table T3)	N/A
Γ.4	Steady force test, 100 N	(See appended table T4)	Р
Г.5	Steady force test, 250 N	(See appended table T5)	N/A





Page 35 of 64 Report No.: 18230SC10061801

40.	Page 35 of 64	Report No.: 18230SC10	061801
pore	IEC 62368-1	Anbore Ant otak Anb	oten b
Clause	Requirement + Test	Result - Remark	Verdict
anborek	Anbo Ak Hotek Anbott An	tek Aubores Anbo	hotek
T.6	Enclosure impact test		N/A
	Fall test		N/A
	Swing test		N/A
T.7	Drop test	(See appended table T7)	Р
T.8	Stress relief test		N/A
T.9	Impact Test (glass)		N/A
T.9.1	General requirements		N/A
T.9.2	Impact test and compliance		N/A
	Impact energy (J):		
	Height (m):		
T.10	Glass fragmentation test:	(See sub-clause 4.4.4.9)	N/A
T.11	Test for telescoping or rod antennas		N/A
	Torque value (Nm)		_
U	MECHANICAL STRENGTH OF CATHODE RAY T AGAINST THE EFECTS OF IMPLOSION	UBES (CRT) AND PROTECTION	N/A
U.1	General requirements		N/A
U.2	Compliance and test method for non-intrinsically protected CRTs		N/A
U.3	Protective Screen:	(See Annex T)	N/A

X	V	DETERMINATION OF ACCESSIBLE PARTS (FINGERS, PROBES AND WEDGES)		
	V.1	Accessible parts of equipment	Р	
	V.2	Accessible part criterion	Р	



Page 36 of 64 Report No.: 18230SC1006180

310.		- ak - abo	rage 30 01 04	ixeport ivo roz	303010001001
wo tek			IEC 62368-1		
Clause	Anbotek	Requirement + Te	st ^k Ambole	Result - Remark	Verdict

4.1.2 TABLE	: List of critical com	ponents	And Lotek And	otek Anborrak	Piek
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹
Enclosure (plastic)	CHI MEI CORPORATION	PC-110(+)	V-0, 105°C, Min. Thickness: 1.5mm	UL 94 UL 746C	OF Pul
PCB material	STAR CHINA TECHNOLOGY (HUIZHOU) LTD	SC-06	V-0,130°C	UL 796 or UL 746	UL ^o
Alternative	Interchangeable	Interchangeabl e	V-0,130°C	UL 796 or UL 746	UL Anbore
Lead Wire	Interchangeable	Interchangeabl e	Min. 26AWG, 80℃, 300V	UL 758	UL otek Anb

Supplementary information:

¹⁾ Provided evidence ensures the agreed level of compliance. See OD-CB2039.

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



Page 37 of 64 Report No.: 18230SC10061801

nootek	Anbore	An abotek	Aupoton	IEC 62368-1	Anbotek	AND AND	anbotek	Anbot
Clause	Anto	Require	ement + Test	k vupotek	Anbo Re	esult - Remark	Anbor	Verdict

4.8.4, 4.8.5	TABLE: L	ithium coin/button cell batteries	s mechanical tests	N/A	
(The follow	wing mechan	ical tests are conducted in the	sequence noted.)		
4.8.4.2	TABLE: St	ress Relief test	riek upotek Anbo.	—	
F	Part	Material	Oven Temperature (°C)	Comments	
nbotek	Aupore	Anboten Anboten	Anborek Anbore	K Solek	
4.8.4.3	TABLE: Ba	attery replacement test	Aupo, tek upotek Vupo,	_	
Battery pa	rt no	:	Anbou sek shotek An	<u> </u>	
Battery Ins	stallation/with	drawal	Battery Installation/Removal Cycle	Comments	
upor	Vi. Potek	Anboten Anb	potek Anbor Ar hotek	Anboter Ar	
4.8.4.4	TABLE: Dr	op test	Aupotek Aupote Aur	_	
Impact Area	a a	Drop Distance	Drop No.	Observations	
Pup	atek nat	clek Aupon - An Potek	Anboten Anb	otek -hupor	
4.8.4.5	TABLE: Im	pact	ek Anborek Anbo	_	
Impacts	per surface	Surface tested	Impact energy (Nm)	Comments	
Anbote.	- Ann	Vupotek - Mpo, W.	botek Anbote And otek	Nupotek	
4.8.4.6	TABLE: Cr	ush test	Anbotek Anbotek Anbo	_	
Test position Surface tested		Surface tested	Crushing Force (N)	Duration force applied (s)	
An	- stek	nootek Anbo ek bott	Auport - Am Otek	hotek Anbo	
Supplemen	tary information	on: wotek Anbott	otek anbotes Anbo. ok	hotek Ant	

4.8.5	TABLE: Lit	ABLE: Lithium coin/button cell batteries mechanical test result								
Test position			Surface tested		Force (N)			Duration force applied (s)		
ek Aupc	- br.	orek	Anboter	Aup	anbotek	Aupon Au	hotek	Anbote		
Supplement	tary informatio	n: Nek								



Page 38 of 64 Report No.: 18230SC10061801

nootek	Anbore	Anbotek	Aupolog	IEC 62368-1	Anbotek	Anna	nnbotek	Anbo
Clause	Augo	Require	ement + Test	ek Anbotek	Anbore R	esult - Remark	Anto	Verdict

5.2	Table:	Classification of	electrical energy	sources		Ambo	P ntel
5.2.2.2 -	- Steady Sta	te Voltage and Cu	rrent conditions	200	* U		WO.
No.	Supply Voltage	Location (e.g. circuit designation)	Test conditions	U (Vrms or Vp	Parameters I (Apk or A	Hz	ES Class
-Aup	5Vdc	Input terminal	Normal	5.21Vdc	Inbore	DC	Anbotek
	ipotek l	in both +/-	Abnormal	5.22Vdc	Anbores-	DC	ES1
	Anbotek	Anbotek	Single fault- SC/OC	potek Anbor	ek Aupote	anbotek Anbotek	Anbo
5.2.2.3 -	Capacitance	e Limits					
Nia	Supply	Location (e.g.	Toot conditions	Parameters et conditions			
No.	Voltage	circuit designation)	Test conditions	Capacitanc	e, nF	Upk (V)	ES Class
bz	oo. P	abotek Ant	Normal	ek anbotek	Aup	- abotek	Aupore
	Aupor	Allabotek	Abnormal	otek Anbot	sk Vupo,	ek Abotek	Anbot
	Anborek	Anbotek	Single fault- SC/OC	unborek -Anh	orek Anto	hotek Anbor	ek An
5.2.2.4 -	Single Pulse	es	S.W.	-03	200		
	Supply	Location (e.g.			Parameters		ES Class
No.	Voltage	circuit designation)	Test conditions	Duration (ms)	Upk (V)	k (V) lpk (mA)	
*ek	a aborek	Anbote. A	Normal	otek - Aupo.	tek ho	el. Anboie.	Ans
	Anbotek.	Aupore.	Abnormal	inpotek Aup	dek - k	potek Aupor	ok
	k Anbo	ek Anbotek	Single fault – SC/OC	Anbotek	Aupolek	Anbotek - Ant	onbotek
5.2.2.5 -	Repetitive F	Pulses					
No.	Supply	Location (e.g.	Toot conditions		Parameters		TC Class
	/oltage	circuit designation)	Test conditions	Off time (ms)	Upk (V)	lpk (mA)	ES Class
nbolek	Hupore .	Pri.	Normal	up.	nbotek Anl	Day - Mr.	orek p
Mpole	k Aupor	An hotel	Abnormal	Aup	Anbotek	hupor - Are	-botek
100	otek an	John Mur	Single fault	ARIO	ratek.	Anbor-	Tek.

Test Conditions:

Normal -

Abnormal -

Supplementary information: SC=Short Circuit, OC=open Circuit

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Page 39 of 64 Report No.: 18230SC10061801

3.7	030	VIII	10-	age 55 of 64	pri-	Report No.: 1020	0000100010	U I
upoten V				IEC 62368-1				Anbor
Clause	Aug Potel	Require	ement + Test	ik upolek	Anbor R	esult - Remark	No. of Contract of	erdict

-pore	Arr	ofer and	19		1. 4.	00,c	Ar.	1910
5.4.1.4, 6.3.2, 9.0, B.2.6	TABLE: Temperate	ure measureme	nts rek				Anbotek Anbotek	Anbotel Anbotel
.tek	Supply voltage	(V)	: 5V	dc	Tupe Tek	- abotek	-Anbore	_
upo	Ambient T _{min} (°C	S)	- AN	Ootek	Vupe	k - nbg	iek Pup	
Aupo.	Ambient T _{max} (°0	C)	stek -	Anbotek	Aupo	rek -	potekp	
Aupo	Tma (°C)	anbore Ann	70	.0 Anbote	by	iek	abotok	_
Maximum m	neasured temperature	e T of part/at:			T (°	C)		Allowed T _{max} (°C)
PCB near in	nput terminal	k abolek	80	.6	tek	Anbotek	-Anbo	130
PCB near U	I1 Anbotek Anbot	ek shotek	89	.9	Vup.	k - pupoli	Sk Pupo	130
PCB near U	12 Anbotek Ant	201 PIL	87	Above .	- Anio	otek - Anto	potek Ar	130
nternal wire	Anbotek !	Yupo, sek	79	.5 Anbenes	- Pri	hotel	Anbotek	80
Ambient	otek Anbotek	Yupo, tek	70	odi ₁ 4 0.		POLSK	Anbotek	Aupo,
Touch tem	perature clause 9.0	Anon	Anbore	k Pi	1pote	Purposek	Anborek	Pupo
Enclosure o	outside near U2	Aupo	27	.4	PUPO'S	Pur	k - bupor	60
Ambient	potek Anb	ofen Ando	25	.0 o ^{ten}	Anbor	- Prince	otek - Arl	, oton
Supplement	tary information:	inposes Aupo	otek	anbotek	Anbr	Per Per	abotek	Anboren
Temperatur	e T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	R ₂ (Ω) T (°C)	Allowed T _{max} (°C)	Insulation class
	potek Aupo.	e/r	-'bo'ie.	b'u	V-	dek	anbo.	ly.

Supp	lementary	informa	tion:

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

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

ermoplastics	Anbotek Anbo.	N/A	
Anboatek	Anbotek Anbot		
Manufacturer/t rademark	T softening (°C)		
Antorek An	Jotel Anbutek	potek	
		: Manufacturer/t T softening (°C)	







Page 40 of 64 Report No.: 18230SC10061801

nootek	Anbore	Anabotek	IEC 62368-1	tek upo	And
Clause	Aupor	Require	ement + Test	Result - Remark	Verdict

5.4.1.10.3	TABLE: Ball pre	essure test of thermoplastic	SAMB tek anbotek	Aupore	N/A
Allowed imp	oression diameter	(mm):	≤ 2 mm	Pupotes	_
Object/Part	No./Material	Manufacturer/trademark	Test temperature (°C)	meter (mm)	
18k	abotek Anbo	All Lotek Anbo	er Ando	ibotek Anbor	re bris.
Supplement	tary information:	bore And otek M	hbotek Anbo ak	botek Anb	OLE VI

5.4.2.2, 5.4.2.4 and	TABLE: Minimum (Clearance	es/Creepa	ge distance				N/A
5.4.3	tek anbotek							Anbo
	cl) and creepage at/of/between:	Up (V)	U r.m.s. (V)	Frequenc y (kHz) ¹	Required cl (mm)	cl (mm) ²	Required ³ cr (mm)	cr (mm)
un notek	Anbotek Anbo	***/r - k.	botek.	Anbore	Ann-	Anbot	- Aup	*8K
Anotek	Anboiek Anbo	*6K_	"potek	A-bore	V VO	ek - An	otek - P	400
Supplementa	ary information:	¹ Po.	abotel	Anbor	bus.	-otek	anbotek	Aupo,

5.4.2.3	TABLE: Minimum Cleara	nces distances using	required withstand	voltage	N/A
botes	Overvoltage Category (O	V):	Anbore. Ant	otek nabo	ick b
Anboten	Pollution Degree:	Anbor An	ek Anboten	'up	botek
Clearance distanced between:		Required withstand voltage	Required cl (mm)	Measured cl (mm)	
- Ans	otek unbotek Anbo.	ak botek	Anbore - And	K Anborek	Vupo.
Sr. Vu	ob sek abotek Anbi	N Air	Anboten Anbo	ek abotek	Anbo
Suppleme	entary information:	upore And	anbotek Anbr	ok hot	ek bi

5.4.2.4	TABLE: Clearances	TABLE: Clearances based on electric strength test							
Test volta	ge applied between:		Required cl (mm)	Test voltage			akdown s / No		
SK VUP	o hotek	Aupcie.	Ann	anbotek	Anbo.	K 200°	ek Aupole		
Suppleme	ntary information:	Anbore	Ann	anbotek	Anbo	V.	hotek Anb		

5.4.4.2, 5.4.4.5 c) 5.4.4.9	TABLE: Dis	stance through in	nsulation me	easurements	Anbotek Anbotek	Anbotek Anbotek	N/A
Distance the insulation d		Peak volta (V)		equency M (kHz)	aterial Re	equired DTI (mm)	DTI (mm)
Ore VII.	botek	upoter Vupo	rek an	porek Aupo	'r bu.	notell Albo	- And
hole	Vun Potek	Anbotek An	ou rek	aborek A	Pole bu	Lotek Ar	botek An

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Hotline 400-003-0500 www.anbotek.com



 Page 41 of 64
 Report No.: 18230SC10061801

 IEC 62368-1

 Clause
 Requirement + Test
 Result - Remark
 Verdict

Suppler	mentary information:	A. botek	Anbore.	Ann	Anborek	Aupo.	h. botek

5.4.9	TABLE: Electric s	strength tests	Anbotek Anbo	ek shotek Anb	N/A
Test volta	age applied between:		Voltage shape (AC, DC)	Test voltage (V)	Breakdown Yes / No
Anbotek	Aupo, br.	botek Anbote	And	Abotek -Anbo	Property.
Supplem	entary information:	Anbotek Anbo	botek Anbotek	Anbotek Anbote	K Anbotek

5.5.2.2 TABLE: Sto	ored discharg	ge on capacito	ors of		N/A
Supply Voltage (V), Hz	Test Location	Operating Condition (N, S)	Switch position On or off	Measured Voltage (after 2 seconds)	ES Classification
Anbo. Ale abote	K -Aupore	V V	K -nbotek	Anbo	botek -Anbote
Supplementary informati	on: Anbo	Yun Vun	otek anboi	tek Pupo, b	botek Anboter
X-capacitors installed for	testing are:				
□ bleeding resistor ration	ng:				
□ ICX:					
Notes:					
A. Test Location:					
Phase to Neutral: Phase	to Phase: Ph	ase to Earth: a	and/or Neutral t	to Earth	

5.6.6.2	TABLE: Resistance of	f protective conduc	tors and terminat	ions	N/A
	Accessible part	Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)
Aupo	-k hotek M	- And	- nbotek	Aupo, - K	hotek -Anbote
Suppleme	entary information:	Anbotek Anbo	tek Anbotek	Anborek	Anbotek Anbotek

N – Normal operating condition (e.g., normal operation, or open fuse); S –Single fault condition

5.7.2.2, 5.7.4	TABLE: Earthed accessible conductive pa	intotek Anbotek Anbotek	N/A
Supply vo	tage:	Anbotek Anbotek Anbote	_
Location		Test conditions specified in 6.1 of IEC 60990 or Fault Condition No in IEC 60990 clause 6.2.2.1 through 6.2.2.8, except for 6.2.2.7	Touch current (mA)
Mapoje.	Ann stek Anbotek Anbo. sk	Hotek Anbote Anti-	Anbotek Ant

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B. Operating condition abbreviations:





Page 42 of 64 Report No.: 18230SC1006180

	-03	VD.	- all I U	gc +2 or o+	110	001t 140 1020	0000100010	,0 1
hoten			Anboro IE	EC 62368-1				Anbo
Claus	e Anto	Requir	ement + Test	hin abotek	Resu	ılt - Remark	Ant ore	erdict of

Supplementary Information:

Notes:

- [1] Supply voltage is the anticipated maximum Touch Voltage
- [2] Earthed neutral conductor [Voltage differences less than 1% or more]
- [3] Specify method used for measurement as described in IEC 60990 sub-clause 4.3
- [4] IEC60990, sub-clause 6.2.2.7, Fault 7 not applicable.
- [5] (*) IEC60990, sub-clause 6.2.2.2 is not applicable if switch or disconnect device (e.g., appliance coupler) provided.

6.2.2 T	able: Electrica	l power sour	ces	(PS) mea	surements fo	or classificatio	n P	hote	P _{Anbot}
Source	Description	Measureme	ent	Max Po	wer after 3 s	Max Power a	fter 5	PS C	Classification
Aupo.	bojek p	Power (W)	:	siek.	Anotek	>15W	-botek		Tupoje.
DC input terminal	Normal working	V _A (V)	:	rek	nbotek	Aupo.	bu.	No.	PS2
Ambore	A Containing	I _A (A)	:	Upo	- abotek	Anbor	b.c.	Neto	

Supplementary Information: SC: short circuit

(*) Measurement taken only when limits at 3 seconds exceed PS1 limits.

6.2.3.1	Table: Determination	n of Potential Igr	nition Sources (Arc	ing PIS)	N/A
		Open circuit voltage After 3 s	Measured r.m.s	Calculated value	Arcing PIS?
	Location	(Vp)	(Irms)	(V _p x I _{rms})	Yes / No
pore	in otek anbotek	Anbo-	abotek Anbot	An-	Anbotek Anb

Supplementary information:

An Arcing PIS requires a minimum of 50 V (peak) a.c. or d.c. An Arcing PIS is established when the product of the open circuit voltage (V_p) and normal operating condition rms current (I_{rms}) is greater than 15.

6.2.3.2	6.2.3.2 Table: Determination of Potential Ignition Sources (Resistive PIS)								
Circuit Lo	ocation (x-y)	Operating Condition (Normal / Describe Single Fault)	Measured wattage or VA During first 30 s (W / VA)	Measured wattage or VA After 30 s (W / VA)	Protective Circuit, Regulator, or PTC Operated? Yes / No (Comment)	Resistive PIS? Yes/No			
All inte	rnal circuit	oter And	n borek	Aupo,	hotek Anboten	PU.D.			







Report No.: 18230SC10061801 Page 43 of 64

	- 03	10.71	-05				000.000.0	
npoten				IEC 62368-1				
Clause	Anb	Require	ement + Test	ak abotek	Anbo Re	esult - Remark	Ant orev	erdict of

Supplementary Information:

A combination of voltmeter, VA and ammeter IA may be used instead of a wattmeter.

If a separate voltmeter and ammeter are used, the product of (VA x IA) is used to determine Resistive PIS classification.

A Resistive PIS: (a) dissipates more than 15 W, measured after 30 s of normal operation, or (b) under single fault conditions has either a power exceeding 100 W measured immediately after the introduction of the fault if electronic circuits, regulators or PTC devices are used, or has an available power exceeding 15 W measured 30 s after introduction of the fault.

8.5.5	TABLE: High Pressure Lamp	abotek Anbote An	ntek anbotel N/Anbo
Description	n	Values	Energy Source Classification
Lamp type) And	All Anboten	_
Manufactu	ırer:	And otek anbotek	_
Cat no	Helk Andros Mr. Mark Andro	otek napote	_
Pressure ((cold) (MPa):	notes And	MS_
Pressure (operating) (MPa):	Anbotek Anbo sek	MS_
Operating	time (minutes)	Anbotek Anbo	_
Explosion	method	Anborek Anbor	_
Max partic	ele length escaping enclosure (mm) .:	tek abotek Anbote	MS_ MS_
Max partic	ele length beyond 1 m (mm):	lek abotek Anbote	MS_
Overall res	sult	ipo, ek Polek Vupe	And otek Anbotel
Suppleme	ntary information:	Anborek Anborek A	horek Anborek Anb

B.2.5 T	ABLE: Inp	ut test					botek AnboteP
U (V)	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status
Powered by D	C source:	otek Anbo	HER AL	ipo rek o	potek P	nboro	Arr. Motek Anbote
5Vdc	0.689	0.721	3.45	Anbotek A	unbotek K	Anbote.	EUT working normally.

Equipment may be have rated current or rated power or both. Both should be measured

B.3	TABLE: Abnormal operating condition tests	tek anbotek Anbo	N/A
Ambient	temperature (°C)	24.3-24.6	_
Power so	ource for EUT: Manufacturer, model/type, output rating:	See page 2 for details	_







Page 44 of 64 Report No.: 18230SC10061801

opotek	Anbore	Purpotek	IEC 62:		boden August 10	200001001
Clause	Anbore	Requir	ement + Test	upotek k	Result - Remark	Verdict

Component No.	Abnormal Condition	Supply voltage, (V)	Test time (ms)		Fuse current, (A)	T- couple	Temp. (°C)	Observation
				1		1	-	-

Supplementary information:

Test table is provided to record abnormal and fault conditions for all applicable energy sources including Thermal burn injury. Column "Abnormal/Fault." Specify if test condition by indicating "Abnormal" then the condition for a Clause B.3 test or "Single Fault" then the condition for Clause B.4.

AND	notek	Pupo,	br.		poter	DLL	D	Note K		Pupo,
B.4 T/	ABLE: Fault co	ondition tests	Anbo.	N by	-otel	-	Anbore	BULL	40.	Potek
Ambient tempe	erature (°C)	**************************************	pobot	<u>.</u>	ARL	25.0			, al	_
Power source	for EUT: Manu	facturer, mode	/type, outp	ut rating	AUG	-tek	Anbote	k- biz	100.	_
Component No	c. Fault Condition	Supply voltage, (V)	Test time (ms)	Fuse no.		nt, (A)	T-couple	Temp. (°C)	Ok	oservation
U1 pin 2-13	SC	5Vdc	10mins	Ant otek	inbotek Anbot	jek botek	nbotek Anbotek Anbotek	Anbotek Anbot	dow imm prot dam	t shut on nediately, ection, no naged, no ard.
U1 pin 3-8	SC	5Vdc	10mins	Anbore Anb	otek nbotek	Anbotel - Anb	nbotek Arbotek	potek Anborek Anbore	dow imm prot	nediately, ection, no naged, no
potek Anbor Anborek Q1 An	borek SC Anbr	5Vdc	10mins	otek obotek Anbotel	Anbo.	Anbotek Anbotek	Anbotek Anbot	otek botek	dow imm prot	nediately, ection, no naged, no
Supplementary	/ information:	anbotek	Aupo		botek	P ₂	por	Vu.	(-	Anbotek



Page 45 of 64 Report No.: 18230SC10061801

potek	Anbote	Anbotek	IEC 623		Report No., 1623	003010001001
Clause	anbu hotel	Requir	ement + Test	nbotek Ar	Result - Remark	Verdict

Oladoc			rtoquiron	ione i rose		by.	rtesuit	rtomant	Ani	VOIGIOU
Anboro	Dir.	You	poter	Anbo	V	otek	Anboro	bu.	ek	boter
Annex M	TAB	LE: Batte	eries						.ek	N/A
The tests of	f Anne	ex M are a	applicable o	only when app	ropriate b	attery data	is not ava	ailable	loo.	N/A
ls it possible	e to in	stall the b	attery in a	reverse polar	ity position	1?	ju	No	Aupo,	bu.
		Non-re	chargeable	batteries		F	Rechargea	ble batteri	es	
		Disch	arging	Un-	Cha	rging	Disch	arging	Reverse	d charging
		Meas. current	Manuf. Specs.	intentional charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.
Max. currer during norm condition		Anbot Anbot	ek - Au	orek Anb	upote _r	Ankotek hote	Anbote Ant	otek Aul	inpotek o	Aupotek
Max. currer during fault condition		otek-	Anbotek Anbotek	Anbotek Anbotek	Anbore Anbore	Anb	otek obotek	nbotek Anbotek	Anbot	ek - Ar
000						14.D3	1200		200	
Test results	S:	Anbor	br.	otek anbi	pter p	nD ak	bote	P.L.P.	0,	Verdict
- Chemical	leaks	Anbote	Ant	-tek	obotek	Anborr	e bri.	dek 1	Inpoten	N/A
- Explosion	of the	battery	otek	rupo rak	abotek	Anbore	P.L.	wotek -	Anbotek	N/A
- Emission	of flam	ne or exp	ulsion of m	olten metal	hotek	Anb	Die. b	Jek -	nboli	N/A
- Electric st	rength	tests of	equipment	after completi	on of tests	rek o	nbotek	Anb		N/A
Supplemen	tary in	formation	n: abotel	k Aupoise	r Pupa	-otek	Anbotek	Anbore	rek bu	nbotek

Annex M.4	Table: Add batteries (F	itional safeg or monitor)	uards for eq	uipment co	ntaini	ng seconda	ary lithiu	am Arno	N/A
Batter	•	Test co	nditions		М	easurement	s		Observation
N	0.			U		I (A)	Tem	p (C)	
And	ek abo	ek Aupo	- Pr.	notek -	Tupo, S.	- Vun	rek.	- abole	r Pupo,
Supplement	ary Information	on: ek	pore Vi	hotek	Anbo	te, Vu	rek	nb ^r	hek Anbore
Battery identificati	on -	rging at lowest (°C)	Observ	ation	CI	harging at T _{highest} (°C)		Obse	ervation
Anboro	bu.	Vupoter	Anbe	ok 40	okek.	Fupore	PLI.	Nek	Anboiek
Supplement	ary Informati	on: aboti	Sk Aupos	V. Prince	potek.	Anbore	P	rek	abotek







Page 46 of 64 Report No.: 18230SC10061801

potek	Anbore	Anbotek .	Anbotok	IEC 62368-1	Anbotek	Report No.: 1020	0000100010	Anbor
Clause	Anto	Require	ement + Test	k vupotek	Anboy	Result - Remark	ANT OF VO	erdict

					Ame
ed UOC (V) with all	load circuits discor	nnected:	Her Pupo	atek anbotel	k Aupole
Components	U _{oc} (V)	I _{sc} ((A)	S (V	/A)
		Meas.	Limit	Meas.	Limit
Aupo, his	ter Pupoter	Anto-	vupalek	Aupo,	, bolek
	200	Components U _{oc} (V)	Meas.	Components U _{oc} (V) I _{sc} (A) Meas. Limit	Components U _{oc} (V) I _{sc} (A) S (V) Meas. Limit Meas.

TABLE	E: Steady force te	st Anbotek A	nbotek Ant	potek Anbotek	tek anbolek Phil
tion	Material	Thickness (mm)	Force (N)	Test Duration (sec)	Observation
sure	Plastics	1.20	100 kek Ambotek	5s	No damaged, no hazard
n re	Plastics	1.20	botek 100 Anbote	5s anborek	No damaged, no hazard
sure	Plastics	1.20	100	nborek 5s Anbor	No damaged, no hazard
	tion sure	tion Material sure Plastics Plastics re	sure Plastics 1.20 Plastics 1.20 Plastics 1.20	tion Material Thickness Force (mm) (N) sure Plastics 1.20 100 Plastics 1.20 100 Plastics 1.20 100	tion Material Thickness (mm) Force (N) Test Duration (sec) sure Plastics 1.20 100 5s Plastics 1.20 100 5s

T.6, T.9	TAB	LE: Impact tests	Tupose Yun	otek Anbote	V. Vupo.	rek at	N/A
Part/Locat	ion	Material	Thickness (mm)	Vertical distance (mm)		Observation	on
AUD		Jotek Anbor	r potek	Aupoter. b	Up.	Anbotek.	Aupo.
Supplementa	ary info	ormation:	V Viek	anbotek	Aupr	abotek	Anbore

Part/Location	Material	Thickness	Drop Height	Observation
Par/Location iviaterial		(mm)	(mm)	Observation
Top enclosure	Plastics	1.20	1000	No damaged, no hazard
Bottom enclosure	16/2		1000	No damaged, no hazard
Side enclosure	Plastics	1.20	1000	No damaged, no hazard







Page 47 of 64 Report No.: 18230SC10061801

otek An	bor Anbotek	IEC 62368-1	Anboren Anboren	Anbotek Anbr
Clause	Requ	irement + Test	Result - Remark	Verdict

T.8 TABL	E: Stress relief to	est Ambore	Anti	Anbotek	N/A
Part/Location	Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observation
abotek - Anbotel	And work	Anbu-ek	Aupor - Air	abotek - Anbr	len Anb - tek
Supplementary info	ormation:				



Page 48 of 64 Report No.: 18230SC10061801

nbotek	Anbote Ansonbotek	IEC62368_1D - ATTA	CHMENT	nbotek	Anb
Clause	Requirement + Test	Anbore Am	Result - Remark	Ve	erdict

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 62368-1:2014+A11:2017

Attachment Form No. EU_GD_IEC62368_1D_II

Attachment Originator.....: Nemko AS

Master Attachment Date 2021-02-04

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the following ar x ZA (normativ x ZB (normativ x ZB (normativ x ZC (informati x ZD (informati	re prefix nnexes: e) e) ve) ve)	ed "Z". Norma with the Special A-dev	ative references their corresponding all national conditions and CENELEC co	to internationang European ptions	al publications publications	e in	Anbare P P
x ZA (normativ x ZB (normativ x ZC (informati x ZD (informati	e) e) ve) ve)	with the Special A-device IEC and the special	neir correspondin al national condit riations nd CENELEC co	ng European p tions	oublications	hotel	P
	rv" notes						anbotel
, following list.	i y Tiotes	s in the refe	erence document	(IEC 62368-	1:2014) accordii	ng	Po
1 Note		1	Note 3	4.1.15	Note	ote.	ek P
Note 1	and 2	5.2.2.2	Note	5.4.2.3.2.2 Table 13	Note c	Anbo	botek
2.3.2.4 Note 1	and 3	5.4.2.5	Note 2	5.4.5.1	Note	W.	Anbore
2.1 Note		5.5.6	Note	5.6.4.2.1	Note 2 and 3	otek	AITE
5 Note		5.7.6.1	Note 1 and 2	10.2.1 Table 39	Note 2, 3 and 4	inbot	ek
5.3 Note 2	2	10.6.2.1	Note 3	F.3.3.6	Note 3	PU	on.
pecial national	conditio	ns, see Ar	nnex ZB.	k Aupore	Ano-	.K	N/A
	Note 1 2.3.2.4 Note 1 2.1 Note Note Note Note In the following note 2 In the use of cere	Note 1 and 2 2.3.2.4 Note 1 and 3 2.1 Note Note Note Note Note The use of certain substates	Note 1 and 2 5.2.2.2 2.3.2.4 Note 1 and 3 5.4.2.5 2.1 Note 5.5.6 Note 5.7.6.1 Decial national conditions, see Arthe following note: Z1 The use of certain substances in electric services.	3 Note 1 and 2 5.2.2.2 Note 2.3.2.4 Note 1 and 3 5.4.2.5 Note 2 2.1 Note 5.5.6 Note 5 Note 5.7.6.1 Note 1 and 2 5.3 Note 2 10.6.2.1 Note 3 pecial national conditions, see Annex ZB.	Note 1 and 2 5.2.2.2 Note 5.4.2.3.2.2 Table 13 2.3.2.4 Note 1 and 3 5.4.2.5 Note 2 5.4.5.1 2.1 Note 5.5.6 Note 5.6.4.2.1 5 Note 5.7.6.1 Note 1 and 2 10.2.1 Table 39 5.3 Note 2 10.6.2.1 Note 3 F.3.3.6 pecial national conditions, see Annex ZB. the following note: Z1 The use of certain substances in electrical and	3 Note 1 and 2 5.2.2.2 Note 5.4.2.3.2.2 Table 13 Note c Table 13 2.3.2.4 Note 1 and 3 5.4.2.5 Note 2 5.4.5.1 Note 2.1 Note 5.5.6 Note 5.6.4.2.1 Note 2 and 3 5 Note 5.7.6.1 Note 1 and 2 10.2.1 Table 39 Note 2, 3 and 4 5.3 Note 2 10.6.2.1 Note 3 F.3.3.6 Note 3 The following note: Z1 The use of certain substances in electrical and	Note 1 and 2 5.2.2.2 Note 5.4.2.3.2.2 Note c Table 13 2.3.2.4 Note 1 and 3 5.4.2.5 Note 2 5.4.5.1 Note 2.1 Note 5.5.6 Note 5.6.4.2.1 Note 2 and 3 Note 2 10.2.1 Note 2, 3 and 4 3.3 Note 2 10.6.2.1 Note 3 F.3.3.6 Note 3 Pecial national conditions, see Annex ZB. The use of certain substances in electrical and

Shenzhen Anbotek Compliance Laboratory Limited





Page 49 of 64 Report No.: 18230SC10061801

		IEC62368_1D - ATTAC	CHMENT	
Clause	Requirement + Test	Anborek Anbore	Result - Remark	Verdic
An hotek	Anbotek Anbo	nbotek Anbot	Anbotek Anbotek	And
4.Z1 Anborek Imborek Anborek	and earth faults in circuits mains, protective devices as integral parts of the earthe building installation, s b) and c): a) except as detailed in b devices necessary to cor	sive current, short-circuits is connected to an a.c. is shall be included either quipment or as parts of subject to the following, a), and c), protective	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N/A
	parts of the equipment;	es with the mains input to ne supply cord, appliance ritch, short-circuit and r be provided by	pore Am niek nob	otek Anborek Anborek Anborek
	or permanently connec dedicated overcurrent an	n, provided that the means or circuit breakers, is fully	Potek Anbo. A.	nbotek Anbotek
	If reliance is placed on prinstallation, the installation state, except that for plug A the building installation providing protection in acof the wall socket outlet.	n instructions shall so ggable equipment type shall be regarded as	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek Anbotek
5.4.2.3.2.4	Add the following to the care The requirement for intercircuit is in addition given	connection with external	Anbotek Anbotek Ar	N/A
10.2.1	Add the following to c) and For additional requirements, see		Anborek Anborek	N/A



Page 50 of 64 Report No.: 18230SC10061801

		IEC62368_1D - ATTA	ACHMENI				
ause	Requirement + Test	Anborek Anbore	Result - Remai	rk Anborek	Verdi		
hotek	Anboren And otek	Anbotek Anbot	ok hotel	k Anbore	And		
).5.1	Add the following after the	e first paragraph:	on bu		N/A		
	For RS 1 compliance is clunder the following condit		Arbotes Ans		otek Anbo		
	In addition to the normal of controls adjustable from the any object such as a tool of internal adjustments or pro-	he outside by hand, by or a coin, and those esets which are not	Anbotek Anbotek		Anbotek Antotek		
	locked in a reliable manne give maximum radiation w intelligible picture for 1 h, a measurement is made.	vhilst maintaining an	orak Anbore		tek Anbotek		
	NOTE Z1 Soldered joints and paradequate locking.	aint lockings are examples of	Anbotek Ar		hbotek Ant		
	The dose-rate is determin radiation monitor with an eat any point 10 cm from the apparatus.	effective area of 10 cm²,	Anbotek Anbotek		Anbotek Anbotek		
	Moreover, the measurement fault conditions causing as voltage, provided an intellimaintained for 1 h, at the measurement is made.	n increase of the high- ligible picture is	upotek Aupot		botek Anbote		
	For RS1, the dose-rate shaking account of the back NOTE Z2 These values appear 13 May 1996.	kground level.	Anbotek Anbotek		Anbotek Anbotek		
.6.1	Add the following paragra subclause:	ph to the end of the	lootek Anbor	ar Anbo	N/A		
	EN 71-1:2011, 4.20 and the and measurement distance	es apply.	anbotek Ant		potek Anbo		
	Albotek Anbotek Ar		Anborek Anborek		Anboter A		
	Anbotek Anbotek Anbotek Anbotek Anbotek		Anbotek Anbotek		a potek		
	010		octek Anbore		L		
	boek Anbotek Anbo		Anbotek Anb		otek Anbo		
	tek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek		Anbotek Anbotek		Anbotak An		
	Anbotek Anbotek Anbotek		Aupotek		Augotek Augotek		
	ek Anbotek Anbotek		ek wote		k Anbotek		



Page 51 of 64 Report No.: 18230SC10061801

~10°	Requirement + Test Result - Remark	Verdic
	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Antore
10.Z1	Add the following new subclause after 10.6.5.	N/A
	10.Z1 Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz	otek Anbote
	The amount of non-ionizing radiation is regulated by European Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz).	Anbork And Anbork Anborek
	For intentional radiators, ICNIRP guidelines should be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (up to 300 GHz). For handheld and body-mounted devices, attention is drawn	nbotek Anbotek
	to EN 50360 and EN 50566	Anbotek A
G.7.1	Add the following note:	N/A
	NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in Annex ZD.	Wupo,
Bibliograph	h Add the following standards:	N/A
AME	Add the following notes for the standards indicated:	botek Anbo
	IEC 60130-9 NOTE Harmonized as EN 60130-9.	potely Ar
	IEC 60269-2 NOTE Harmonized as HD 60269-2.	Am
	IEC 60309-1 NOTE Harmonized as EN 60309-1.	Anbo
	IEC 60364 NOTE some parts harmonized in HD 384/HD 60364 series.	(hboten
	IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4.	yo.
	160 00001-2-4 1101E Halfflorlized as EN 00001-2-4.	ok hote
	IEC 60664-5 NOTE Harmonized as EN 60664-5.	ek Anbore
	All More and the More All Market and Market	botek Anbote
	IEC 60664-5 NOTE Harmonized as EN 60664-5.	botek Anbotek
	IEC 60664-5 NOTE Harmonized as EN 60664-5. IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified).	botek Anbotek Anbotek Anbot
	IEC 60664-5 NOTE Harmonized as EN 60664-5. IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified). IEC 61508-1 NOTE Harmonized as EN 61508-1.	Anbotek Anbote Anbotek Anbot
	IEC 60664-5 NOTE Harmonized as EN 60664-5. IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified). IEC 61508-1 NOTE Harmonized as EN 61508-1. IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1.	botek Anbotek Anbotek Anbotek Anbotek
	IEC 60664-5 NOTE Harmonized as EN 60664-5. IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified). IEC 61508-1 NOTE Harmonized as EN 61508-1. IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1. IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4.	Anbotek Anbotek Anbotek Anbotek Anbotek
	IEC 60664-5 NOTE Harmonized as EN 60664-5. IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified). IEC 61508-1 NOTE Harmonized as EN 61508-1. IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1. IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4. IEC 61558-2-6 NOTE Harmonized as EN 61558-2-6. IEC 61643-1 NOTE Harmonized as EN 61643-1.	botek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
	IEC 60664-5 NOTE Harmonized as EN 60664-5. IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified). IEC 61508-1 NOTE Harmonized as EN 61508-1. IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1. IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4. IEC 61558-2-6 NOTE Harmonized as EN 61558-2-6. IEC 61643-1 NOTE Harmonized as EN 61643-1. IEC 61643-21 NOTE Harmonized as EN 61643-21.	Anbotek
	IEC 60664-5 NOTE Harmonized as EN 60664-5. IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified). IEC 61508-1 NOTE Harmonized as EN 61508-1. IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1. IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4. IEC 61558-2-6 NOTE Harmonized as EN 61558-2-6. IEC 61643-1 NOTE Harmonized as EN 61643-1. IEC 61643-21 NOTE Harmonized as EN 61643-21. IEC 61643-311 NOTE Harmonized as EN 61643-311.	botek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
	IEC 60664-5 NOTE Harmonized as EN 60664-5. IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified). IEC 61508-1 NOTE Harmonized as EN 61508-1. IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1. IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4. IEC 61558-2-6 NOTE Harmonized as EN 61558-2-6. IEC 61643-1 NOTE Harmonized as EN 61643-1. IEC 61643-21 NOTE Harmonized as EN 61643-21.	botek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek



Page 52 of 64 Report No.: 18230SC10061801

notek .	Anbotek Anbo	rek.	IEC62368_1	ID - ATTAC	HMENT	Anbotek	Vupo.	ek no
Clause	Requirement +	Test	Anbotek	Anbore	Result - Remark	Anbotek	Pupo	Verdict
And hotek	Anbotel	Anbo.	Anbotek	Aupo, s	ak hotek	Anbotel	Ani	otek '
4.1.15	Denmark, Fin	land, Norwa	ay and Swed	en Anbe	Dir.		6/2	N/A
PUDDO	To the end of t	he subclaus	e the followin	ng is added:	poten Anbu		otek	
potek Anbotek Anbotek	Class I plugga connection to d if safety relies if surge suppre network termin marking stating connected to a	other equipn on connection essors are contained and acc grant and acc grant the equipment of the sequipment of the equipment	nent or a netwon to reliable onnected between the parts uipment shall	vork shall, earthing or ween the s, have a I be	Anbotek Anbotek Anbotek Anbotek		Anborek Anbore Ant	
k Anbore	The marking to be as follows:	ext in the app	olicable coun	tries shall	botek Anbote		otek	
otek And	In Denmark : "A stikkontakt me stikproppens jo	d jord som g			Anbotek And		Anbotek Anbotel	
Anbote, otek	In Finland : "La varustettuun pi		avä suojakosl	kettimilla	Anbores		Anb	
Anbotek	In Norway : "Apstikkontakt"	oparatet må	tilkoples jord	et Anbot	atek Anbotek		k b	
k Aupo,	In Sweden : "A uttag"	pparaten sk	all anslutas ti	ll jordat	unbotek Anbe		ote.	
4.7.3	United Kingdo	om	Poter V	Up.	abotek A	upo, b	" otel	N/A
otek	To the end of t	he subclaus	e the followin	ng is added:	All		VUDO	
Anbotek Anbotek	The torque tes complying with assessed to the see Annex G.4	BS 1363, a e relevant c	nd the plug plauses of BS	art shall be	Anbotek Anbotek		Anbe Arbe	
5.2.2.2	Denmark	41001	ek Aupo	, bu	notek anbo	Vun.	*ek	N/A
nbotek Ant	After the 2nd p A warning (ma current is requ the limits of 3,5	rking safeg uired if the to	uard) for high	touch	Anbotek Ar		Anbotek Anbotek	



Page 53 of 64 Report No.: 18230SC10061801

ause	Paguirament I Toot	Result - Remark	Verdict
ause	Requirement + Test	Result - Remark	verdict
Anhotek	Anborek Anbore An	ok Anhorek Anbo	nbotek
4.11.1 nd Annex	Finland and Sweden To the end of the subclause the following is added:	ootek Anbotek Anbo	N/A
	For separation of the telecommunication network from earth the following is applicable:	Anbotek Anbotek Anbote	k Anbi
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	Anbotek Anbotek Anb	otek A
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	ek Anbotek Anbotek	anbotek sel
	• one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	Anbotek Anbotek Anbotek	Anboro Anbr
	If this insulation forms part of a semiconductor component (e.g. an optocoupler), there is no distance through insulation requirement for the insulation consisting of an insulating compound completely filling the casing, so that clearances and creepage distances do not exist, if the component passes the electric strength test in accordance with the compliance clause below and in addition	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Otek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek Anbotek Anbotek
	• passes the tests and inspection criteria of 5.4.8 with an electric strength test of 1,5 kV multiplied by 1,6 (the electric strength test of 5.4.9 shall be performed using 1,5 kV), and	Anbotek Anbotek Anbotek Anbotek Anbotek	totek
	• is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5kV.	otek Aupotek Vupotek	Anbotek
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	Anbotek Anbotek Anbotek	ek Anbo
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	Amborek Anborek An	polek Arbotek
	• the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3 testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;	botek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbot
	• the additional testing shall be performed on all the test specimens as described in EN 60384-14;	Anbotek Anbo	ootsk v
	the impulse test of 2,5 kV is to be performed before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14.	ek Aupotek Aupotek	Anbotek
5.2.1	Norway	poten Andrew K wotek	N/A
	After the 3rd paragraph the following is added:	hotek Anbotes And	de H
	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	Anbotek Anbotek Anbot	Otek bir







Page 54 of 64 Report No.: 18230SC10061801

	IEC62368_1D - ATTAC	HMENT	
Clause	Requirement + Test	Result - Remark	Verdict
pro potek	Anbores Anti-	ak hotek Anbotek Ar	ion siek
5.5.6	Finland, Norway and Sweden To the end of the subclause the following is added:	ootek Anbotek Anbotek	N/A
	Resistors used as basic safeguard or bridging basic insulation in class I pluggable equipment type A shall comply with G.10.1 and the test of G.10.2.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	ek Anbote
5.6.1	Denmark Add to the end of the subclause	anbotek Anbotek An	N/A
	Due to many existing installations where the socket-outlets can be protected with fuses with higher rating than the rating of the socket-outlets the protection for pluggable equipment type A shall be an integral part of the equipment.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotel Anbotel
	Justification: In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	Anbotek Anbotek Ant	obotek A
5.6.4.2.1	Ireland and United Kingdom After the indent for pluggable equipment type A, the following is added:	totek Anbotek Anbotek	N/A
	 the protective current rating is taken to be 13 A, this being the largest rating of fuse used in the mains plug. 	Anbotek Anbotek Anbote	otek Anbo
5.6.5.1	To the second paragraph the following is added: The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is: 1,25 mm² to 1,5 mm² in cross-sectional area.	otek Anbotek Anbotek Anbotek Inbotek Anbotek Anbotek Anbotek Anbotek	N/A
5.7.5	Denmark To the end of the subclause the following is added: The installation instruction shall be affixed to the equipment if the protective conductor current	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N/A

exceeds the limits of 3,5 mA a.c. or 10 mA d.c.



Page 55 of 64 Report No.: 18230SC10061801

lause	Requirement + Test	Aupo	Result - Remark	Verdict
zup zotek	Anbotek Anbotek	Anbore	ak hotek Anbot	ek Auron
5.7.6.1	Norway and Sweden	Anbo	Plus	N/A
	To the end of the subclause the following	is added:	botek Anboy An	notek Anboter
	The screen of the television distribution s	D.	otek vapoter	And bo
	normally not earthed at the entrance of the	ne building	Anbo ok hotek	Anbore An
	and there is normally no equipotential bo		Aupole Aug	abotek Ar
	system within the building. Therefore the earthing of the building installation needs		abotek Anbo	k his work
	isolated from the screen of a cable distrib		All otek Anboth	Ant
	system.		Anbo ok	otek inbore
	It is however accepted to provide the insu		Lotek Anbore, An	sek abotek
	external to the equipment by an adapter		abotek	Aupo, A
	interconnection cable with galvanic isolat may be provided by a retailer, for example		Anbore Air	Anboten Anbo
	The user manual shall then have the follo		subotek Anbo	Poter Vi
	similar information in Norwegian and Swe		Ar otek Anbote	Ann
	language respectively, depending on in v	vhat	And bote	k Aupor
	country the equipment is intended to be u	used in:	ek Anbore An	stek subotek
	"Apparatus connected to the protective e		rek abotek Anb	o, h, hotek
	the building installation through the mains		to. Air	inpoten Aug
	connection or through other apparatus w connection to protective earthing – and to		nbotek Anbe	hotek Anbor
	television distribution system using coaxi		work Anbore	Ann
	may in some circumstances create a fire	hazard.	And sk botek	Anboro
	Connection to a television distribution sys		Ambore Am	e aboten
	therefore has to be provided through a de providing electrical isolation below a certa		abotek Anbo	k h. motek
	frequency range (galvanic isolator, see E		Air otek Anbr	ster And
	11)"	dr. 4	otek Anbo	botek Anbore
	NOTE In Norway, due to regulation for CATV-instal		work Anbore A	un sek spott
	in Sweden, a galvanic isolator shall provide electricated below 5 MHz. The insulation shall withstand a diele		and botek	Anbors Air
	of 1,5 kV r.m.s., 50 Hz or 60 Hz, for 1 min.	ouro ou origin	Anbore And	aborek Ant
	T William Market in the Control of t	TUT.	abotek Anbo	W. Wek
	Translation to Norwegian (the Swedish to also be accepted in Norway):	ext will	All otek Anboten	Anba
	"Apparater som er koplet til beskyttelsesj	ord via	Anbo ok no	tek Arbore
	nettplugg og/eller via annet jordtilkoplet u		otek Anboter Ano	tek abotek
	er tilkoplet et koaksialbasert kabel-TV ne	tt, kan	ack abotek Ar	pr.
	forårsake brannfare. For å unngå dette s		hour arek	Anboten Anbo
	ved tilkopling av apparater til kabel-TV ne		obotek Anbo.	work and
	installeres en galvanisk isolator mellom a og kabel-TV nettet."	ipparatet	Anboten Anboten	And
	Translation to Swedish:		Anbo ok hotek	Anbor
	"Apparater som är kopplad till skyddsjord	l via iordat	Anbore Anu	ek anbotek
	vägguttag och/eller via annan utrustning		ek spotek Anbo	N Wiek
	samtidigt är kopplad till kabel-TV nät kan		Arr sek	poten Anbu
	medfőra risk főr brand. Főr att undvika de	etta skall	botek Anbo. An	botek anboter
	vid anslutning av apparaten till kabel-TV		otek anbotek	And we
	galvanisk isolator finnas mellan apparate kabel-TV nätet.".	en ocn	Anbo Anbo	And And





Page 56 of 64 Report No.: 18230SC10061801

IEC62368_1D - ATTACHMENT					
Clause	Requirement + Test	Result - Remark	Verdict		
A. hotek	Anbore Anb stek anborek Anbo	ok potek Anboter A	Ve Vek		
5.7.6.2	Denmark	oo Alli Otek Anbotek	N/A		
	To the end of the subclause the following is added	1 botek Anbu sek storek	Anbore		
	The warning (marking safeguard) for high touch	botek Anbore Am	anbore		
	current is required if the touch current or the protective current exceed the limits of 3,5 mA.	Arra arek anbotek Anbo	W		
D 0 4 5 5 5	Lorent Andrews	Aupo Parana Aupo	VN1/A		
B.3.1 and B.4	Ireland and United Kingdom The following is applicable:	Aupon K Potek Au	N/A		
	To protect against excessive currents and short-	orak Anbores And tek	abotek		
	circuits in the primary circuit of direct plug-in	tek nbotek Anbot	A. Lotek		
	equipment, tests according to Annexes B.3.1 and		And		
	B.4 shall be conducted using an external miniatur circuit breaker complying with EN 60898-1, Type	e Manager Manager	Anbor		
	B, rated 32A. If the equipment does not pass thes	e aborek Anbor	dra No		
	tests, suitable protective devices shall be included		rek		
	as an integral part of the direct plug-in equipment , until the requirements of Annexes	And tak abotek Ant	001-		
	B.3.1 and B.4 are met	otek Anbore An Lotek	anboten		
G.4.2	Denmark Annual A	kotek Anbotek Anbo	N/A		
	To the end of the subclause the following is added	d: ntek Anbotek Anbo	botel		
	Supply cords of single phase appliances having a	Inbo	D'U.		
	rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011.	d Anborek Anborek Anbore	rek Yup,		
	CLASS I EQUIPMENT provided with socket-outlets with earth contacts or which are intended to be used in	1 And tek anbotek Ant	ig. b		
	locations where protection against indirect contact is	Anbo ak hotek	Anbore		
	required according to the wiring rules shall be provided	botek Anbote Anu tek	anbotek		
	with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	no sek abotek Anbo	hotek		
	If a single-phase equipment having a RATED	Auporter Politick Williams	Viun		
	CURRENT exceeding 13 A or if a poly-phase equipmer is provided with a supply cord with a plug, this plug shall		Anbo		
	be in accordance with the standard sheets DK 6-1a in		olek or		
	DS 60884-2-D1 or EN 60309-2.	And Antores And	tek		
	Mains socket outlets intended for providing power	ie And rek upotek b	Too,		
	to Class II apparatus with a rated current of 2,5 A shall be in accordance DS 60884-2-D1:2011	totek Aupon All Lotek	Anboten		
	standard sheet DKA 1-4a.	notek Anboten Anb	abotek		
	Other current rating socket outlets shall be in	All tek abotek Anbore	bu.		
	compliance with Standard Sheet DKA 1-3a or DK. 1-1c.	A Ambor Amboren	Anbe		
	Mains socket-outlets with earth shall be in	Anboren Anb	Itak Ar		
	compliance with DS 60884-2-D1:2011 Standard	ek abotek Anbote Ant	otek		
	Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-5a or DK	An otek Anbotek Ar	NDC NA		
	1-7a Anborek Anborek And	oolek Aupo	Anbore		
	Justification:	potek Anbote And	anbotek.		
	Heavy Current Regulations, Section 6c	Arek anbor	bu.		





Page 57 of 64 Report No.: 18230SC10061801

Clause	Requirement + Test		Result - Remark		Verdict
probots tok	abotek Antotek	Anborek Anbore	Pupote V	abotek Ar	ipotele.
0.40	W United Kingdom Andore	Aubo ak ab	olek bupon	VII.	VUD VIVA
G.4.2	United Kingdom	ok Mpose Yun	rek abotek		N/A
	To the end of the subclaus	NO. D	upo, w. w.		VUL
	The plug part of direct plug assessed to BS 1363: Par		anboten Anbo		Anbo
	12.9, 12.11, 12.12, 12.13,		work Anbo		4
	except that the test of 12.1		And		, br
	less than 125 °C. Where the	he metal earth pin is	Anbore Ar		poter
	replaced by an Insulated S		ak abotek		-otek
	(ISOD), the requirements of	of clauses 22.2 and 23	Al. Stok		AUDO
Vupo,	also apply.	, Aur sk	potek Aupo,	A. Joseph	Anboho.
G.7.1	United Kingdom		otek Anboten		N/A
	To the first paragraph the t	following is added:	Anbo K Not		Visco
	Equipment which is fitted v		Anbotes Ano		ek An
	cord and is designed to be		hotek An		rek
	socket conforming to BS 1 flexible cable or cord shall		And		00,
	plug' in accordance with the				aporen
	(Safety) Regulations 1994		rek abotek		w.
	1994 No. 1768, unless exe		to, arek		Anb
	regulations.		abotek Anbe		Anbor
	NOTE "Standard plug" is defined essentially means an approved p		work anbore		
	an approved conversion plug.	ing comorning to be 1505 of	Anbo		bu.
G.7.1	Ireland	And k holek	Anbore An	tek onb	N/A
botek	To the first paragraph the f	following is added:	ak abolek		-otek
	Apparatus which is fitted w	100	Am		Mpo
	cord shall be provided with		obtek Anbo.		Anbore
	with Statutory Instrument 5		otek anboten		-bote
	and Conversion Adapters		Pupo ok Pole		Vien
	Regulations: 1997. S.I. 52		Anbore. And		Ant
	recognition of a standard of which is equivalent to the i		hotek Anb		Jek .
C 7 0 0 16	hotel have	Top.	VILL VIEW	upotek Aup	NI/A
G.7.2	Ireland and United Kingo		Aupo K		N/A
	To the first paragraph the	V/A	dek Anboten		potek
	A power supply cord with a		ok wotek		VIII.
	is allowed for equipment wand up to and including 13		ipole, Mun		anbois



Page 58 of 64 Report No.: 18230SC10061801

010	101	гор ге	ige 30 01 04	Report No	102303010001001
to tek		IEC62368_	_1D - ATTACH	MENT	
Clause	Requirement + Tes	st nbotek	Anbore	Result - Remark	Verdic

ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)	N/A
10.5.2	Germany	N/A
ek Anb	The following requirement applies:	
potek Anbotek Anbotek	For the operation of any cathode ray tube intended for the display of visual images operating at an acceleration voltage exceeding 40 kV, authorization is required, or application of type approval (Bauartzulassung) and marking.	
orek Anbotel	Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM.	
Anbotek Anbotek	NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-38116 Braunschweig, Tel.: Int +49-531-592-6320, Internet: http://www.ptb.de	



Page 59 of 64 Report No.: 18230SC10061801 Photo

Photo 1

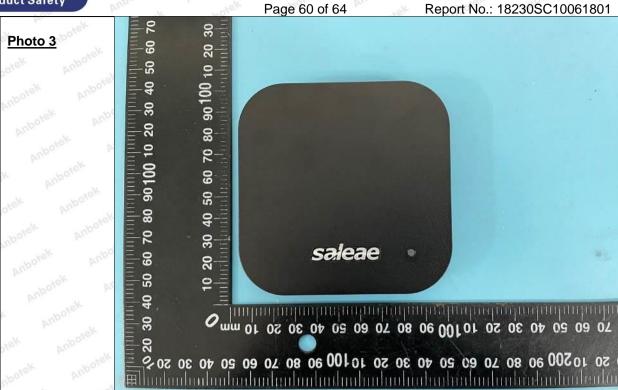


Photo 2 Organical and the second control of the second control of

Shenzhen Anbotek Compliance Laboratory Limited





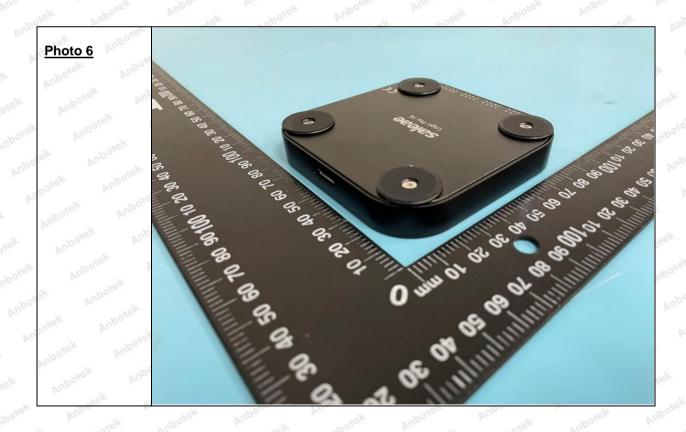






Page 61 of 64 Report No.: 18230SC10061801

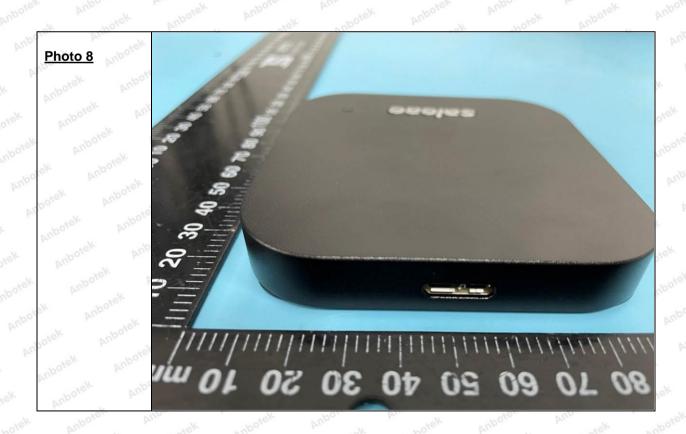






Page 62 of 64 Report No.: 18230SC10061801



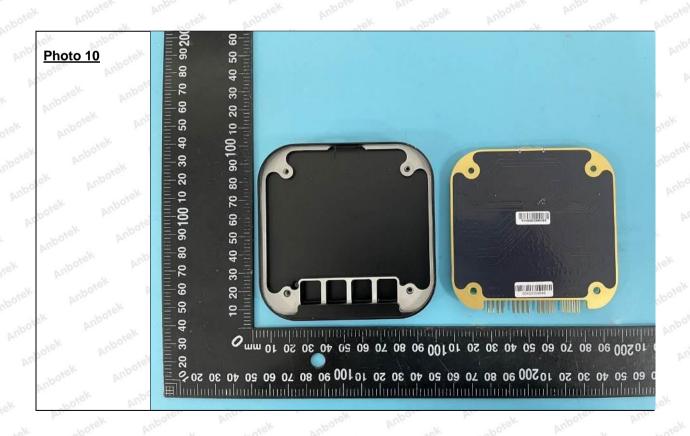






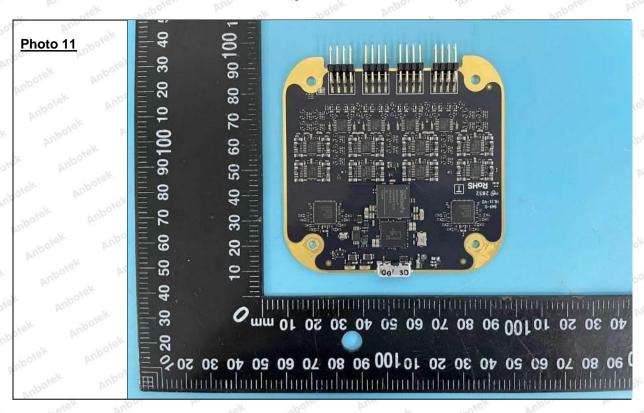
Page 63 of 64 Report No.: 18230SC10061801

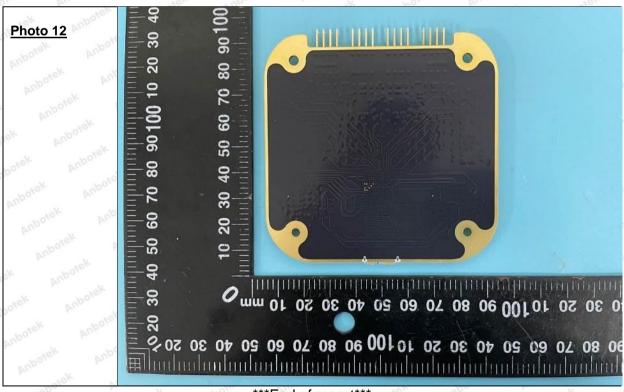






Page 64 of 64 Report No.: 18230SC10061801





End of report

