

Report No.: 18230SC10061701

Test Report

Client Name : Saleae, Inc

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

94080 California, USA

Product Name : Logic 8

Date : Jul. 29, 2021





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TEST REPORT IEC 62368-1

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

Report Number.....: 18230SC10061701

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



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Test Item description: Logic 8

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-00111, SAL-00111 (black), SAL-00112 (red)

Ratings: Input: 5V=0.5A

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



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Saleae

Copy of marking plate:

Logic 8

Model: SAL-00111 Input: 5V==-0.5A



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.



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TEST ITEM PARTICULARS:	
Classification of use by: Supply Connection	 ☑ Ordinary person ☑ Instructed person ☑ Skilled person ☑ Children likely to be present ☐ AC Mains ☐ DC Mains ☑ 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:	
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 3
Manufacturer's specified maxium operating ambient:	70°C
IP protection class	☑ IPX0 ☐ IP
Power Systems:	☑ TN ☐ TT ☐ IT V L-L ☐ dc mains ☐ N/A
Altitude during operation (m)	⊠ 2000 m or less □ m
Altitude of test laboratory (m)	☐ 2000 m or less ☐ _500_ m
Mass of equipment (kg):	⊠ Approx. 0.74 kg



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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: Market	er Anbourek Anbour 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 Anbotek Anbotek
county in question. 2. The equipment complies with the National Standard 3. According to the EU directives which have been alignment.	s Labels written in an Accepted or Official Language of the s and/or Electrical Codes of the country in question. In a 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 8, Clast The max. operating temperature was 70°C and the m Unless otherwise specified, the model "SAL-00111" w tests. Model Differences: all models are same except models.	ax. altitude was 2000m. as chosen as representative model to perform all the
moder binerences, an moders are same except mode	ы паше апи арреатапсе соющ.
Additional application considerations – (Consideration)	ations used to test a component or sub-assembly) –





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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)			up rek	
5V DC input	Aupe	potek	ES1	"olek	Anborek	Aupa	
The enclosure	Sk Vupo	work	ES1	Alle	abotek	Aupo.	

Electrically-caused fire (Clause 6):

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

Source of power or PIS	Corresponding classification (PS)
5V DC input	PS2
Internal circuits	pote ^{bl} PS2 Anbout Anbout Helk

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 substance	es nbotek Anbote	Corresponding of	chemical	Anbo	700
N/A	ek botek Anbo	N/A	Anbotek	Anbo.	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	hotek TS1Anbotes And atek Anbotek Anbote

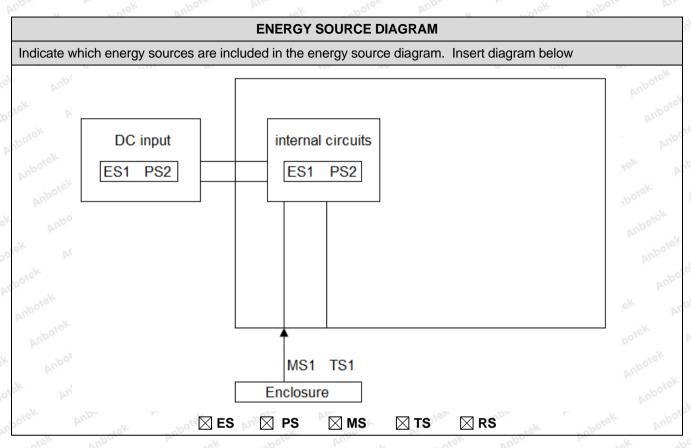
Radiation (Clause 10)

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

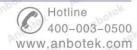
Type of radiation	Corresponding classification (RS)
LED light	RS1



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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			





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- 10' - COY	1 age 3 01 04	- Tropo	11110 10230301	0001701
Body Part	Energy Source		Safeguards	
(e.g., skilled)	(hazardous material)	Basic	Supplementary	Reinforced
N/A	N/A	N/A	N/A	N/A
8.1	Mechanically-caused injury			
Body Part	Energy Source		Safeguards	
(e.g. Ordinary)	(MS3: High Pressure Lamp)	Basic	Supplementary	Reinforced (Enclosure)
Ordinary person, Skilled person	MS1: Sharp edges and corners of accessible parts	N/A	N/A	N/A
Ordinary person, Skilled person	MS1: Product mass	N/A	N/A	N/A
9.1	Thermal Burn			
Body Part	Energy Source	Safeguards		
(e.g., Ordinary)	(TS2)	Basic	Supplementary	Reinforced
Ordinary person, Skilled person	TS1: Accessible parts	N/A	N/A	N/A
10.1	Radiation	100		1-17
Body Part	Energy Source		Safeguards	
(e.g., Ordinary)		Basic	Supplementary	Reinforced
Ordinary person, Instructed person, Skilled person, Children	RS1: LED light	N/A	N/A	N/A

Supplementary Information:

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



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30.		, od 70,	rage 10 01 04	Report No., 10	2303010001701
otek	anbotek .	Anbore All botek	IEC 62368-1	Anbotek Anbotek	Anboy All
Clause	Anbotek	Requirement + Tes	tk Anboten	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	Aupore Anborek Aupore	P
4.1.3	Equipment design and construction	Anboy k Anboy	P M
4.1.15	Markings and instructions	(See Annex F)	poter 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)	n Piek
4.4.4.3	Drop tests:	(See Annex T.7)	Poot
4.4.4.4	Impact tests	And 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 Anbotek Anbo	N/A
4.4.4.7	Thermoplastic material tests:	otek Anbotek Anto	N/A
4.4.4.8	Air comprising a safeguard	otek Anbotek Anbo	N/A
4.4.4.9	Accessibility and safeguard effectiveness	All other safeguards remain effective and no class 3 energy sources become accessible.	k P Anh
4.5	Explosion	k hotek Anbore Ani	N/A
4.6	Fixing of conductors	Ann otek anbotek	lupa. P
4.6.1	Fix conductors not to defeat a safeguard	pole Amb otek Ambotek	N/A
4.6.2	10 N force test applied to	Ambores Amb	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 Anbotes And	N/A
4.8 Mark	Products containing coin/button cell batteries	hotek Anbotet And otek	N/A
4.8.2	Instructional safeguard	hotek Anbotek Anbo	N/A
4.8.3	Battery Compartment Construction	An Anbotek Anbotek Anbo	N/A
Anbotek	Means to reduce the possibility of children removing the battery	Anbotek Anbotek Anbo	_
4.8.4	Battery Compartment Mechanical Tests	tek Anboten Anbotek	N/A
4.8.5	Battery Accessibility	hotek Anbotek Anbo.	N/A
4.9	Likelihood of fire or shock due to entry of conductive object:	Anbotek Anbotek Anbotek	N/A





hport	IEC 62368-1	Anbore An otek and	ofer b
Clause	Requirement + Test	Result - Remark	Verdict
rupote.	And ak botek Anbo	stek anbote And	anbotek
5	ELECTRICALLY-CAUSED INJURY	Total	Prev
5.2.1	Electrical energy source classifications:	(See appended table 5.2)	P
5.2.2	ES1, ES2 and ES3 limits	Anbo Anbore	P
5.2.2.2	Steady-state voltage and current:	See appended table 5.2)	PA
5.2.2.3	Capacitance limits:	Anbore An Lotek A	poten 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	Anb atek Anbotek Anbo	N/A
5.3	Protection against electrical energy sources	Anbotek Anbo	N/A
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	ak Anbotek Anbotek Ar	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	potek Anbotek Anbotek	N/A
5.3.2.2	Contact requirements	Anbotel And tek anbotek	N/A
olek b	a) Test with test probe from Annex V:	Anboten Anbo	N/A
nbotek	b) Electric strength test potential (V):	Anboren Anbo	N/A
abotek	c) Air gap (mm):	Jk spotek Anbarrak	N/A
5.3.2.4	Terminals for connecting stripped wire	tek abotek Anbois	N/A
5.4	Insulation materials and requirements	be hotek Anbore	N/A
5.4.1.2	Properties of insulating material	Anbore Anbores	N/A
5.4.1.3	Humidity conditioning:	(See sub-clause 5.4.8)	N/A
5.4.1.4	Maximum operating temperature for insulating materials:	(See appended table 5.4.1.4)	N/A
5.4.1.5	Pollution degree:	ok hotek Anbotes	_
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	obotek Anbotek Anbotek	N/A
5.4.1.5.3	Thermal cycling	botek Anbore Ant	N/A
5.4.1.6	Insulation in transformers with varying dimensions	hotek Anbotek Anbo	N/A
5.4.1.7	Insulation in circuits generating starting pulses	And Anborek Ant	N/A
5.4.1.8	Determination of working voltage	Amb stek Anbotek A	N/A
5.4.1.9	Insulating surfaces	orex Pupo, Pek Pupolek	N/A
12/p07.	Prince Property Prope	Story Marco, Dr.	MO.S.

Shenzhen Anbotek Compliance Laboratory Limited

parts are directly mounted

5.4.1.10

5.4.1.10.2

5.4.1.10.3

(See appended table 5.4.1.10.2)

(See appended table 5.4.1.10.3)

N/A

N/A

N/A

Thermoplastic parts on which conductive metallic

Vicat softening temperature....:

Ball pressure:



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abotek	IEC 62368-1	Report No.: 18230SC10	stek An
Clause	Requirement + Test	Result - Remark	Verdict
nbotek	Anbore An Hotek 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
abotek	a) a.c. mains transient voltage:	obotek Anbore Am	_
botek	b) d.c. mains transient voltage:	ak 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 (10 ⁰¹⁰⁾	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 And	N/A
5.4.4.6	Thin sheet material	hotek Anbotes And	N/A
5.4.4.6.1	General requirements	Anborek Anborek Anb	N/A
5.4.4.6.2	Separable thin sheet material	And Anbotek Anb	N/A
Vun Jek	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 Antotek Antotek	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	tek Vupor Vir. Polek	N/A
5.4.5.1	General	botek Anbor An wotek	N/A
5.4.5.2	Voltage surge test	abotek Anbore Am	N/A
ootek p	Insulation resistance (MΩ):	abotek Anbotes Anbo	_
5.4.6	Insulation of internal wire as part of supplementary safeguard:	(See appended table 5.4.4.2)	N/A





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nbotte And IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict
anbotes	Arriva ak hotek Arbon Arriva	tek aupotes Ann	botek
5.4.7	Tests for semiconductor components and for cemented joints	hotek Anbotek Anbotek	N/A
5.4.8	Humidity conditioning	Anbotek Anbo tek	N/A
potek p	Relative humidity (%):	Anborek Anbo, ak ho	_
nbotek	Temperature (°C)	anbotek Anbot Ali	_
nbotek	Duration (h):	ek nbotek Anbota 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	ook hotek Anbore	N/A
5.4.9.2	Test procedure for routine tests	Anbore Anborer	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 spotek Ambories	N/A
5.4.10.2.1	General Marie Mari	on All botek 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	sbotek Anbote And	N/A
rek An	Rated operating voltage U _{op} (V)	hotek Anboten Anti-	_
notek	Nominal voltage U _{peak} (V):	Anborek Anboren Anbo	_
-otek	Max increase due to variation U _{sp} :	L Lotek Anbotek Anti	_
Vun.	Max increase due to ageing ΔU _{sa} :	And Antores A	_
Augo	U _{op} = U _{peak} + Δ U _{sp} + ΔU _{sa} :	Arm otek Ambotek	_
5.5 Ambo	Components as safeguards	Ambores America	Aupo
5.5.1	General	Anbores Anb tek abore	N/A
5.5.2	Capacitors and RC units	Anbotek Anbo sek abo	N/A
5.5.2.1	General requirement	Anbotek Anbox 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



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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
anborek	Wigner Work Williams Will	otek Anborek Anbo	-hotek
5.5.7	SPD's	(See Annex G.8)	N/A
5.5.7.1	Use of an SPD connected to reliable earthing	Anborek Anbore	N/A
5.5.7.2	Use of an SPD between mains and protective earth	Anborek Anborek 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	Anbo Lek Lbotek	N/A
5.6.2	Requirement for protective conductors	abotek Anbor Ak hotek	N/A
5.6.2.1	General requirements	abotek Anbott K Antorek	N/A
5.6.2.2	Colour of insulation	sbotek Anbore Aris	N/A
5.6.3	Requirement for protective earthing conductors	hotek Anbores Anti	N/A
7u.,	Protective earthing conductor size (mm²):	k notek Anbotek An	_
5.6.4	Requirement for protective bonding conductors	And stek Anbotek	N/A
5.6.4.1	Protective bonding conductors	pores Amb	N/A
Pupe	Protective bonding conductor size (mm²)	Anbotel Anbit	
otek A	Protective current rating (A):	Anbotest Anbot	
5.6.4.3	Current limiting and overcurrent protective devices	Anbotek Anbotek Ant	N/A
5.6.5	Terminals for protective conductors	Aribo dek Anbotek	N/A
5.6.5.1	Requirement	hotek anbotek	N/A
stek Anu	Conductor size (mm²), nominal thread diameter (mm).	Inbotes Anti-	N/A
5.6.5.2	Corrosion	Anbotek Anbotek Anbo	N/A
5.6.6	Resistance of the protective system	Anti-	N/A
5.6.6.1	Requirements	Anti-	N/A
5.6.6.2	Test Method Resistance (Ω)	(See appended table 5.6.6.2)	N/A
5.6.7	Reliable earthing	anbotek Anber ak botek	N/A
5.7 An	Prospective touch voltage, touch current and prote	ective conductor current	N/A
5.7.2	Measuring devices and networks	abotek Anbote And	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	ak hotek Anbotek A	N/A
5.7.3 Anbore	Equipment set-up, supply connections and earth connections	tootek Anbotek Anbotek	N/A
ek Anb	System of interconnected equipment (separate connections/single connection):	Vupotek Vupotek Vupotek	_
obotek	Multiple connections to mains (one connection at a time/simultaneous connections)	Anbotek Anbotek Anbo	_
N. W.	Market Market Market	Dr. A 200 DL	



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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
napotek	Anton Ak motek Antonte king	otek Anborek 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	_
upotes p	Measured current (mA)	Anbore And hotek Anbo	_
Aupora	Instructional Safeguard	(See F.4 and F.5)	N/A
5.7.6	Prospective touch voltage and touch current due to external circuits	ek Anborek 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		otel P A
6.2	Classification of power sources (PS) and potential in	gnition sources (PIS)	word P
6.2.2	Power source circuit classifications	tek obotek Anbote	Pek
6.2.2.1	General	to sk botek Anbote	Potek
6.2.2.2	Power measurement for worst-case load fault:	(See appended table 6.2.2)	P
6.2.2.3	Power measurement for worst-case power source fault:	(See appended table 6.2.2)	otek P And
6.2.2.4	PS1:	(See appended table 6.2.2)	wotel P
6.2.2.5	PS2	(See appended table 6.2.2)	Pk
6.2.2.6	PS3::::::::::::::::::::::::::::::::	ok hotek Anbore	N/A
6.2.3	Classification of potential ignition sources	anbott Anbotek Anbotek	P
6.2.3.1	Arcing PIS:	Anbore Antore	N/A
6.2.3.2	Resistive PIS:	Anbore And otek Anb	Chek P Wu
6.3	Safeguards against fire under normal operating and	d abnormal operating conditions	Notel 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	Pubote
6.4	Safeguards against fire under single fault conditions	hotek Anbores Anb	ek P
6.4.1	Safeguard Method	Control of fire spread	P





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up. Origh	Topolek hupor	Anto Later Anton	Dr. Dr.
Clause	Requirement + Test	Result - Remark	Verdict
0.40 val	D Laborate with the second of the second	tek hupo, by	Vipole.
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	Ipotek Aupote, Yur	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	P ^{nboh}
6.4.3.1	General	Amb tek anbotek Ambo	N/A
6.4.3.2	Supplementary Safeguards	Anbu tek nbotek Ar	N/A
Anborek	Special conditions if conductors on printed boards are opened or peeled	lek Anbotek Anbotek	N/A
6.4.3.3	Single Fault Conditions::	(See appended table 6.4.3)	N/A
rek .	Special conditions for temperature limited by fuse	Anbotek Anbotek	N/A
6.4.4	Control of fire spread in PS1 circuits	Anbo Lak abotek Anbo	P
6.4.5	Control of fire spread in PS2 circuits	Aribon ak hotek Ani	P P
6.4.5.2	Supplementary safeguards	(See appended tables 4.1.2 and Annex G)	Anboren P
6.4.6	Control of fire spread in PS3 circuit	oo Ak abotek Anbores	N/A
6.4.7	Separation of combustible materials from a PIS	Anborek Anbore	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 Ant Otek Ant	N/A
6.4.7.3	Separation by a fire barrier	k Anboles And Otek	N/A
6.4.8	Fire enclosures and fire barriers	otek Anboret Anb	anbPek
6.4.8.1	Fire enclosure and fire barrier material properties	V-0	Potek
6.4.8.2.1	Requirements for a fire barrier	and Anborek Anbor	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	tek Anbotek Anbo	N/A
6.4.8.3.2	Fire barrier dimensions	tek nbotek Anbot	N/A
6.4.8.3.3	Top Openings in Fire Enclosure: dimensions (mm)	Anbotek Anbotek Anbotek	N/A
ipotek (Needle Flame test	Anbotek Anbo	N/A 📈
6.4.8.3.4	Bottom Openings in Fire Enclosure, condition met a), b) and/or c) dimensions (mm):	Anbotek Anbotek A	N/A
Anbotel	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 hoose Amborek Anbor	ek P Ant



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Clause	Requirement + Test	Result - Remark	Verdict
Anborek	Anton Ak hotek Anbote Kins	tek Anborek Anbo	-botek
6.5	Internal and external wiring	tek nbotek Anbore	Prek
6.5.1	Requirements	ibo k Anbore	And P otel
6.5.2	Cross-sectional area (mm²):	Anboy Anboyer Anboyer	_
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 Anbo.	External port limited to PS2 or complies with Clause Q.1	botek Anbotek Anbotek	N/A

7	INJURY CAUSED BY HAZARDOUS SUBSTANCES	P Am
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
P.U.	Personal safeguards and instructions:	
7.5	Use of instructional safeguards and instructions	N/A
Anbotek	Instructional safeguard (ISO 7010)	
7.6	Batteries	N/A

8	MECHANICALLY-CAUSED INJURY		Potek
8.1	General	Enclosure is smooth and no mechanical energy sources	P
8.2	Mechanical energy source classifications	MS1	otek P Ant
8.3	Safeguards against mechanical energy sources	k Aupotek Aupon ak	N/A
8.4	Safeguards against parts with sharp edges and corners	otek Anbotek Anbotek	N/A
8.4.1	Safeguards	inbotek Anbe	N/A
8.5	Safeguards against moving parts	Anbotek Anbo. Ak abotel	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::	Anbe tek nbotek A	_
8.5.4	Special categories of equipment comprising moving parts	tek Anbotek Anbotek	N/A
8.5.4.1	Large data storage equipment	ho stek anbotek Anbot	N/A
8.5.4.2	Equipment having electromechanical device for destruction of media	Anbotek Anbotek Anbo	N/A
8.5.4.2.1	Safeguards and Safety Interlocks	(See Annex F.4 and Annex K)	N/A





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hote And tek hotek And IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict
Aupole	Ann Jok Hotek Anbo	rek Anbore And	shotek
8.5.4.2.2	Instructional safeguards against moving parts	anbotek Anbo	N/A
ek ob	Instructional Safeguard:	Tupo, Tupo, Vupo, Tupo,	_
8.5.4.2.3	Disconnection from the supply	Anbo sek nbotek Anbote	N/A
8.5.4.2.4	Probe type and force (N)	Anbo. A. abotek Anb	N/A
8.5.5	High Pressure Lamps	Anbo. A. botek	N/A
8.5.5.1	Energy Source Classification	otek Aupor K Potek	N/A
8.5.5.2	High Pressure Lamp Explosion Test	(See appended table 8.5.5.2)	N/A
8.6	Stability	shorek Anbore Ann	N/A
8.6.1	Product classification	Anbotek Anbotes Anbo	N/A
bole*	Instructional Safeguard	And Anbotek Anbotek	_
8.6.2	Static stability	And sotek anbotek Ar	N/A
8.6.2.2	Static stability test	Anbotek Anbotek	N/A
Anbo	Applied Force:	potek Anbotek	_
8.6.2.3	Downward Force Test	Anbotek Anbo tek abotek	N/A
8.6.3	Relocation stability test	Anborek Anbo, sek abo	N/A
nbotek	Unit configuration during 10° tilt:	Anborek Anbor All	_
8.6.4	Glass slide test	ak unbotek Anbor Ar	N/A
8.6.5	Horizontal force test (Applied Force):	stek subotek Aubote	N/A
, abo	Position of feet or movable parts:	tek abotek Anbotek	- 0
8.7	Equipment mounted to wall or ceiling	Tupo, Wi.	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:	ak Anbotek Anbote An	N/A
8.8	Handles strength	tek upotek Anbote	N/A
8.8.1	Classification	ok obotek Anbotek	N/A
3.8.2	Applied Force:	Inbor An hotek Anboren	N/A
8.9	Wheels or casters attachment requirements	Anbore Anborek Anbore	N/A
8.9.1	Classification	Anboter Anb	N/A
8.9.2	Applied force:	Anbotek Anbo	
8.10	Carts, stands and similar carriers	otek Anboren Anbo	N/A
8.10.1	General	Potek Aupolek Aupo.	N/A
8.10.2	Marking and instructions	notek anbotek Ambote	N/A
otek .	Instructional Safeguard:	Anto stek Anbotek Antonio	
8.10.3	Cart, stand or carrier loading test and compliance	Arbor And botek And	N/A

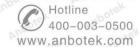


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Clause	Requirement + Test	Result - Remark	Verdict
anbores	And Andrew Andrew	stek Anbores Anbe	bojek
anbote	Applied force:	otek Anbotek Anbote	_
8.10.4	Cart, stand or carrier impact test	Joseph Anborek Anbore	N/A
8.10.5	Mechanical stability	Anbore Anborek Anbore	N/A
ipo. b	Applied horizontal force (N)	Anbo Ak abotek Anbo	
8.10.6	Thermoplastic temperature stability (°C)	Anbo, Ar shortek Ar	N/A
8.11	Mounting means for rack mounted equipment	ek Mupo, botek	N/A
8.11.1	General	botek Anbore An wotek	N/A
8.11.2	Product Classification	abotek Anbote And	N/A
8.11.3	Mechanical strength test, variable N	hotek Anbore And	N/A
8.11.4	Mechanical strength test 250N, including end stops	hotek Anboten Anbo	N/A
8.12	Telescoping or rod antennas	(See Annex T)	N/A
Ano	Button/Ball diameter (mm)	And tek Anbotek	_

9	THERMAL BURN INJURY	THERMAL BURN INJURY	
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		PARIBU
10.2	Radiation energy source classification	Anbore And	otek P Ant
10.2.1	General classification	LED light, RS1	nbote ^K P
10.3	Protection against laser radiation	No laser radiation	N/A
k anbote	Laser radiation that exists equipment:	work Anbotek Anbo	_
rek anb	Normal, abnormal, single-fault:	(See attached laser test report)	N/A
-tel-	Instructional safeguard:	Anb atek Anbotek Anbot	_
upo dek	Tool:	Anber atek Anbotek Anber	_
10.4	Protection against visible, infrared, and UV radiation	RS1 conformed	po, b
10.4.1	General	notek Anbotek Anbo	Porek
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 Anbotek	N/A
vupotek b	Personal safeguard (PPE) instructional safeguard	Anbotek Anbotek Anbo	_





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Clause Requirement + Test Result - Remark Verdict				
Clause	Requirement + Test	Result - Remark	verdict	
10.4.1.c)	Equipment visible, IR, UV does not exceed RS1.:	rek Aupotak	N/A	
10.4.1.d)	Normal, abnormal, single-fault conditions:	upotek tupo, tr.	N/A	
10.4.1.e)	Enclosure material employed as safeguard is	auporek Rupore Will Potek	N/A	
10.4.1.6)	opaque	Anborek Anbores And	ely Di	
10.4.1.f)	UV attenuation:	nbotek Anbors An	N/A	
10.4.1.g)	Materials resistant to degradation UV:	ek abotek Anbote As	N/A	
10.4.1.h)	Enclosure containment of optical radiation:	ak botek Anbote	N/A	
10.4.1.i)	Exempt Group under normal operating conditions:	bors Anbotek Anbotek	Anbot	
10.4.2	Instructional safeguard:	chotek Anbore Ann	N/A	
10.5	Protection against x-radiation	botek Anbotes Anbo	N/A	
10.5.1	X- radiation energy source that exists equipment:	(See appended table B.3 & B.4)	N/A	
Anba	Normal, abnormal, single fault conditions	Arrivatek Antoriek	N/A	
VUPP	Equipment safeguards:	potes Arie tek anbotek	N/A	
Anba	Instructional safeguard for skilled person:	Anbotes Anbotek	N/A	
10.5.3	Most unfavourable supply voltage to give maximum radiation:	Anbotek Anbotek Anbote	_	
nov	Abnormal and single-fault condition:	(See appended table B.3 & B.4)	N/A	
Anbe	Maximum radiation (pA/kg)	Ant tek abotek	N/A	
10.6	Protection against acoustic energy sources	orek Anbe	N/A	
10.6.1	General	Inbotek Anbo tak abotek	N/A	
10.6.2	Classification	upotek Aupo, ok vije	N/A	
botek	Acoustic output, dB(A)	abotek Anbote An	N/A	
botek	Output voltage, unweighted r.m.s	K shotek Anbore And	N/A	
10.6.4	Protection of persons	ok hotek Anbotes A	N/A	
Vin	Instructional safeguards	or Andorek Amborek	N/A	
ek Ant	Equipment safeguard prevent ordinary person to RS2:	nbotek Ambotek Anbotek	_	
potek l	Means to actively inform user of increase sound pressure:	Anbotek Anbotek Anbo	_	
Anborek	Equipment safeguard prevent ordinary person to RS2:	tek anbotek Anbotek A	_	
10.6.5	Requirements for listening devices (headphones, earphones, etc.)	hotek Anbotek Anbotek	N/A	
10.6.5.1	Corded passive listening devices with analog input	Anbotek Anbotek Anbotek	N/A	
unbotek .	Input voltage with 94 dB(A) L _{Aeq} acoustic pressure output:	Anbotek Anbotek Anbo	_	
	10° 00° 00° 00° 00° 00° 00° 00° 00° 00°			



	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Anborek	Anbo ok morek Anbore Antone	Anbores Anbo	-bojek
10.6.5.2	Corded listening devices with digital input	tek abotek Anboro	N/A
al As	Maximum dB(A):	tek abotek Anbore	_
10.6.5.3	Cordless listening device	horek Anborek	N/A
20,0	Maximum dB(A):	Anbor All otek anbor	_

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 P
B.2.1	General requirements:	Anbote Anbotek	N/A
poren 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)	And Pek
B.3	Simulated abnormal operating conditions	bore Annotek anbotek	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.	upotek Aupotek Aupote	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions	Anbotek Anbotek Anb	N/A
B.4	Simulated single fault conditions	Anboatek Anbotek	nbox 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-	jbote ^k P
B.4.4.1	Short circuit of clearances for functional insulation	tek Aupoten Aupo. tek	abo'Pk
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	Anborek Anborek Anborek	P. Ibo
B.4.5	Short circuit and interruption of electrodes in tubes and semiconductors	Amborek Amborek Anti-	potek P





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upo.	IEC 62368-1	Anbor Ar Dotek Anbo	ier, bi
Clause	Requirement + Test	Result - Remark	Verdict
Aupore.	And Ambotek Anbo. An	stek Anbore Ann	anbotek
B.4.6	Short circuit or disconnect of passive components	arbotek Anbo	Prek
B.4.7	Continuous operation of components	hak spotek Aupo,	N/A
B.4.8	Class 1 and Class 2 energy sources within limits during and after single fault conditions	Anbotek Anbotek Anbote	ek An
B.4.9	Battery charging under single fault conditions:	anbotek Anbote All	N/A
С	UV RADIATION		N/A
C.1 Anbore	Protection of materials in equipment from UV radiation	botek Anbotek Anbotek	N/A
C.1.2	Requirements	anbotek Anbot -k notek	N/A
C.1.3	Test method	botek Anbore And	N/A
C.2	UV light conditioning test	hotek Anbotes Ane	N/A
C.2.1	Test apparatus	k hotek Anboten An	N/A
C.2.2	Mounting of test samples	And Anbotek	N/A
C.2.3	Carbon-arc light-exposure apparatus	potes And otek Anbotek	N/A
C.2.4	Xenon-arc light exposure apparatus	Anborek Anti-	N/A
D	TEST GENERATORS		N/A
D.1	Impulse test generators	Anbotek Anbo Ak	N/A
D.2	Antenna interface test generator	k upotek Anbor Ak	N/A
D.3	Electronic pulse generator	tek potek Anbore	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	NING AUDIO AMPLIFIERS	N/A
E.1	Audio amplifier normal operating conditions	unbo. K hotek Anbore.	N/A
No. No	Audio signal voltage (V)	Anbore Ambore	_
horen	Rated load impedance (Ω):	Anbores Arib	
E.2	Audio amplifier abnormal operating conditions	k Aupoles Aug	N/A
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND	INSTRUCTIONAL SAFEGUARDS	nboP ^{jk}
F.1 nnbot	General requirements	otek anbotek Anbo	Potek
ek al	Instructions – Language:	English	_
F.2	Letter symbols and graphical symbols	Anto tek aborek Anbuse	Р
F.2.1	Letter symbols according to IEC60027-1	Anbo Anbotek Anbo	Р
F.2.2	Graphic symbols IEC, ISO or manufacturer specific	tek Anbotek Anbotek A	botek botek
F.3 Ambore	Equipment markings	stek Anbotek Anbotek	Potek
F.3.1	Equipment marking locations	To Thotak Anborat	P
F.3.2	Equipment identification markings	Anbor Anborok Anborok	P
F.3.2.1	Manufacturer identification	See page 3	_





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Clause	Requirement + Test	Result - Remark	Verdict	
Anbore	Ant Anbotek Anbo	otek Anbore Ans	-botek	
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	Ando ak abotek Anbore	N/A	
F.3.3.2	Equipment without direct connection to mains	Anbo Anbo	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 Anbote Am	_	
F.3.3.6	Rated current or rated power	See label	_	
F.3.3.7	Equipment with multiple supply connections	botek Anbote Anb	N/A	
F.3.4	Voltage setting device	An Lotek Amborel And	N/A	
F.3.5	Terminals and operating devices	Arre otek anbotek Arr	N/A	
F.3.5.1	Mains appliance outlet and socket-outlet markings:	otek Anbotek Anbotek	N/A	
F.3.5.2	Switch position identification marking:	notek Anbotek Anbo	N/A	
F.3.5.3	Replacement fuse identification and rating markings:	Amborek Amborek Ambore	N/A	
F.3.5.4	Replacement battery identification marking:	Anbore And Arek one	N/A	
F.3.5.5	Terminal marking location	k Aupotes Aug	N/A	
F.3.6	Equipment markings related to equipment classification	otek Anbotek Anbotek	N/A	
F.3.6.1	Class I Equipment	intore And otek Antorek	N/A	
F.3.6.1.1	Protective earthing conductor terminal	Anbotel Ant tek abote	N/A	
F.3.6.1.2	Neutral conductor terminal	anboten Anbo	N/A	
F.3.6.1.3	Protective bonding conductor terminals	k subotek Aubout	N/A	
F.3.6.2	Class II equipment (IEC60417-5172)	rek upotek Aupons	N/A	
F.3.6.2.1	Class II equipment with or without functional earth	ak botek Anbotes	N/A	
F.3.6.2.2	Class II equipment with functional earth terminal marking	nbotek Anbotek Anbotek	N/A	
F.3.7	Equipment IP rating marking:	anbotek Anbote Anb	_	
F.3.8	External power supply output marking	Di Apotek Aupoten Aupo	ote⊬P	
F.3.9	Durability, legibility and permanence of marking	ok work Anborek A	Pr-	
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	hotel Ann	e ^k PA	





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OI.	Miggs Brook Poss VIII.	Den Danba	10/6
Clause	Requirement + Test	Result - Remark	Verdict
Mupo	a) Equipment for use in legations where shildren	rek Anbo rek plotek	Ambore NI/A
	a) Equipment for use in locations where children not likely to be present - marking	abotek Anbore Ali abotek	N/A
Anb	b) Instructions given for installation or initial use	Anbotek Anbo. Lek Abotel	N/A
otek p	c) Equipment intended to be fastened in place	Aupolek Aupo, Ar.	N/A
inposek sek	d) Equipment intended for use only in restricted access area	Anbotek Anbotek An	N/A
Anbotel	e) Audio equipment terminals classified as ES3 and other equipment with terminals marked in accordance F.3.6.1	botek Anbotek Anbotek	N/A
Anu	f) Protective earthing employed as safeguard	Anbotel And otek Anbotek	N/A
botek A	g) Protective earthing conductor current exceeding ES 2 limits	Anbotek Anbotek Anbo	N/A
in Lotek	h) Symbols used on equipment	k wotek Anbotek Ar	N/A
Anbotek	i) Permanently connected equipment not provided with all-pole mains switch	potek Anbotek Anbotek	N/A
- Anbo	j) Replaceable components or modules providing safeguard function	Anbotek Anbotek Anbotek	N/A
.5	Instructional safeguards	Anbore Anbor	N/A
Anbotek Anbotek	Where "instructional safeguard" is referenced in the test report it specifies the required elements, location of marking and/or instruction	Anbotek Anbotek Anbotek	N/A
3	COMPONENTS	300	Anb Per
3.1 Anbot	Switches	abotek Anbors Am notek	Rost
G.1.1	General requirements	botek Anbores Anbo	P
G.1.2	Ratings, endurance, spacing, maximum load	Anbotek Anbotek Anb	N/A
3.2 Nek	Relays	k wotek Anboten Ant	N/A
9.2.1	General requirements	And otek Anbotek	N/A
G.2.2	Overload test	otek anbotek	N/A
G.2.3	Relay controlling connectors supply power	upoter Anno tek abotek	N/A
G.2.4	Mains relay, modified as stated in G.2	unbotek Anbo	N/A
3.3	Protection Devices	Anborek Anbo, ok An	N/A
G.3.1	Thermal cut-offs	anbotek Anbote. Am	N/A
6.3.1.1a) kb)	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)	abotek Anbotek Anbotek	N/A
G.3.1.2	Thermal cut-off connections maintained and secure	Anbotek Anbotek Anbotek	N/A
	Thermal links	tok apout Au	N/A



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IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict
Anbore	Ann mak Amorek Anbo	ntek Anbore Ant horak	Anbotek
G.3.2.1a)	Thermal links separately tested with IEC 60691	sporek Anbores, Ann	N/A
G.3.2.1b)	Thermal links tested as part of the equipment	Anbotek Anbotek Anbo	N/A
. Jak	Aging hours (H):	And Anborek Anbor	
loc tok	Single Fault Condition:	Anbo Anbotek Anbotek	_
Anbo.	Test Voltage (V) and Insulation Resistance (Ω). :	Anbo. Ak botek A	-
G.3.3	PTC Thermistors	olek Anbort All hotek	N/A
G.3.4	Overcurrent protection devices	botek Anbote Ans	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	Anbotek Anbotek Anbo	N/A
G.3.5.2	Single faults conditions	(See appended Table B.4)	N/A
G.4	Connectors	tek Anbores Ant tek	N/A
G.4.1	Spacings	otek anboten 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°	hotek Anbotek Anbotek	N/A
G.5.1.2 b)	Construction subject to routine testing	Inbotel And tek anbotek	N/A
G.5.2	Endurance test on wound components	Anbotek Anbo Lek abot	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
abolek.	Time (s)	ack abotek Anbotes	_
. Pole	Temperature (°C):	out botek Auporon	_
G.5.2.3	Wound Components supplied by mains	Anborek Anborek	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)	Anborek Anborek Anb	N/A
hotek	Position:	ok hotek Anboro	_
Mor	Method of protection:	A work Anborek	
G.5.3.2	Insulation	Nipoter Kupotek	N/A
or bup	Protection from displacement of windings:	Anboten Anbo tek anbotel	
G.5.3.3	Overload test	(See appended table B.3)	N/A
G.5.3.3.1	Test conditions	(3FF-1.353 13515 515)	N/A





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Clause	Requirement + Test	Result - Remark	Verdict
Oladoc	requirement 116st	TROSUL TROMAIN	Verdiet
G.5.3.3.2	Winding Temperatures testing in the unit	ok hotek Anborek	N/A
G.5.3.3.3	Winding Temperatures - Alternative test method	hotek Anbotek	N/A
G.5.4	Motors	Anbores Anborek	N/A
G.5.4.1	General requirements	Anboren Anbo	N/A
Anbotek	Position:	Anbores Anbo	_
G.5.4.2	Test conditions	lek Aupotek Yupo	N/A
G.5.4.3	Running overload test	notek Anbotek Anton	N/A
G.5.4.4	Locked-rotor overload test	ho otek Anbotek Anbot	N/A
rek .	Test duration (days):	Ambotek Ambotek	_
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	sk Anbotek Anbo tek	N/A
Anbotek	Electric strength test (V)	otek Anbotek Anbo	_
G.5.4.5.3	Tested on the Bench - Alternative test method; test time (h):	Anbotek Anbotek Anbotek	N/A
Die. N	Electric strength test (V)	Anbore And otek anbore	
G.5.4.6	Locked-rotor overload test for d.c. motors in secondary circuits	k hotek Anbotek Ant	N/A
G.5.4.6.2	Tested in the unit	k hotek Anbotek	N/A
Nu.	Maximum Temperature:	See table B.4	N/A
Ant	Electric strength test (V):	inbote. And otek Anbotek	N/A
G.5.4.6.3	Tested on the bench - Alternative test method; test time (h):	Anbotek Anbotek Anbotek	N/A
i-otek	Electric strength test (V):	And Anborek Anb	N/A
G.5.4.7	Motors with capacitors	Ant otek Ambotek A	N/A
G.5.4.8	Three-phase motors	otek anbotek	N/A
G.5.4.9	Series motors	inboten Anbotek	N/A
ek Ani	Operating voltage:	anbotek Anbo tek Anbotek	_
G.6	Wire Insulation	unpotek Aupo, ak apo	N/A
G.6.1	General	r vupotek Vupor Vi	N/A
G.6.2	Solvent-based enamel wiring insulation	kek abotek Anbote Ar	N/A
3.7 John	Mains supply cords	o. Anborek Anbore	N/A
G.7.1	General requirements	Thou A hotek Aupotein	N/A
Aug.	Type	Anbore Anborek Anborek	_
0010	Rated current (A)	Anbore And Anbor	_
abote	Cross-sectional area (mm²), (AWG):	K Apoles And	





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Clause	Requirement + Test	Result - Remark	Verdict	
Aupore	Anti-otek Ambotek Anbo. An	ntek Anbote Ant work	Anbotek	
G.7.2	Compliance and test method	hotek 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 Air	N/A	
nbotek	Strain relief test force (N):	ek obotek 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):	rbo, All botek Auboren		
G.7.3.2.4	Strain relief comprised of polymeric material	Anbotek Anbotek	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 And stek An	N/A	
G.7.5.1	Requirements	lek Anboren Anb	N/A	
G.7.5.2	Mass (g):	otek Anbotek Anbo	_	
ak anbo	Diameter (m):	Lotek Anbotek Anbo	_	
siek n	Temperature (°C)	Arm stek Anbotek Anbo	_	
G.7.6	Supply wiring space	Anbotek Anbotek	N/A	
G.7.6.2	Stranded wire	Antiber abotek Anti	N/A	
G.7.6.2.1	Test with 8 mm strand	Ando rek abotek	N/A	
G.8 M	Varistors	botek Anbo	N/A	
G.8.1	General requirements	nbotek Anbound An hotek	N/A	
G.8.2	Safeguard against shock	abotek Anbore Ann	N/A	
G.8.3	Safeguard against fire	-botek Anbole And	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	hote Ambotek anbotek	N/A	
G.9.1 a)	Manufacturer defines limit at max. 5A.	inbore And tek anborek	N/A	
G.9.1 b)	Limiters do not have manual operator or reset	Amborell Anti-	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)	I Anbotek Anbo	_	
G.9.1 e)	Manufacturers' defined drift:	tek Anbotek Anbote A	_	
G.9.2	Test Program 1	stek supotek Aupotek	N/A	
G.9.3	Test Program 2	hipo. W. apotek Aupoten	N/A	
G.9.4	Test Program 3	Anbors All botek Anborek	N/A	
G.10	Resistors	Anbore Anbo	N/A	
G.10.1	General requirements	Autore Autor	N/A	





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ipo.	IEC 62368-1	Anbo. A. A. Anbo	Dre. P
Clause	Requirement + Test	Result - Remark	Verdict
Aupote.	Ant otek Anhotek Anbo. An	tek Anbore Anti	Motek
G.10.2	Resistor test	stelk subotek Anlou	N/A
G.10.3	Test for resistors serving as safeguards between the mains and an external circuit consisting of a coaxial cable	Anbotek Anbotek Anbotek	N/A
G.10.3.1	General requirements	Ant otek anbotek Anbo	N/A
G.10.3.2	Voltage surge test	Anbotek Ar	N/A
G.10.3.3	Impulse test	Anbo ak abotek	N/A
G.11 Anbor	Capacitor and RC units	nbotek Anbot k hotek	N/A
G.11.1	General requirements	nbotek Anbote k Anti-	N/A
G.11.2	Conditioning of capacitors and RC units	botek Anbotes Ans	N/A
G.11.3	Rules for selecting capacitors	hotek Anbore And	N/A
G.12	Optocouplers	And Antores An	N/A
Anbotek Anbotek	Optocouplers comply with IEC 60747-5-5:2007 Spacing or Electric Strength Test (specify option and test results)	ootek Anbotek Anbotek	N/A
V. Pico	Type test voltage Vini:	Anbores Anbores	_
O _{fer} , bu	Routine test voltage, Vini,b:	Aupolie, Municipal Aupoli	
G.13	Printed boards	Aupores, Y Wolek Wil	P
G.13.1	General requirements	ak Anbore Ans Otek	nbote P
G.13.2	Uncoated printed boards	otek Anbores Anne	anb Pek
G.13.3	Coated printed boards	wotek Anbotes Ans. tek	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	stek Anbotek Anbotek	N/A
Anboro	Distance through insulation	(See appended table 5.4.4.5)	N/A
rek Anb	Number of insulation layers (pcs):	nbotek Anbore Am	· —
G.13.6	Tests on coated printed boards	Anbores Anbores Anse	N/A
G.13.6.1	Sample preparation and preliminary inspection	Anbotek Anbotes Anb	N/A
G.13.6.2a)	Thermal conditioning	K Kotek Anbotek A	N/A
G.13.6.2b)	Electric strength test	ore Ann otek anbotek	N/A
G.13.6.2c)	Abrasion resistance test	abotek anbotek	N/A
G.14	Coating on components terminals	Aupotek Aupo, Vin spotek	N/A
G.14.1	Requirements	(See G.13)	N/A
G.15	Liquid filled components	t botek Anbotes Kan	N/A



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hotek	Page 29 of 64 IEC 62368-1	Report No.: 18230SC100	stek a
Clause	Requirement + Test	Result - Remark	Verdict
nbolek	Antonio Ant Antonio Andonio	tek abolek Anbole A	Potek
G.15.1	General requirements	rak abotek Anbotes	N/A
G.15.2	Requirements	box Anborek Anbores	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 Anti-	N/A
G.15.3.4	Vibration test	otek Anbotek Anbo	N/A
G.15.3.5	Thermal cycling test	stek Anbotek Anbo	N/A
G.15.3.6	Force test	Amb tek anbotek Ambot	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) Mahadak	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 Anbote	N/A
C2)	Test voltage:	Anbotek Ant	_
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	inhotek Anbotek	_
D3)	Resistance	Anbotek Anbo	_
	CRITERIA FOR TELEPHONE RINGING SIGNALS	S	N/A
1.1\boles	General	k anbote And	N/A
1.2 mbotek	Method A	rek unbotek Anbors	N/A
H.3	Method B	tek nbotek Anbote	N/A
1 .3.1	Ringing signal	upo, Pk upolek Yupole	N/A
H.3.1.1	Frequency (Hz)	Antonia Amborek Anbores	
H.3.1.2	Voltage (V)	Pupor VIII.	
H.3.1.3	Cadence; time (s) and voltage (V)	Autore Aur Potek VI	_
H.3.1.4	Single fault current (mA):	len Vupote, Vuo	
H.3.2	Tripping device and monitoring voltage	botek Anboter Anbo	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	Aupate, Vue	N/A



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	7607	No.	rage 30 01 04			3010001701
hipoten			IEC 62368-1			
Clause	Anbo	Requirement + Tes	st above	Re	sult - 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		N/A
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



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hotek	IEC 62368-1	Anbotek Anbo	potek p
Clause	Requirement + Test	Result - Remark	Verdict
anbotek	Aupo, Mr. Potek Vupores, Vup	Vupolek Vupo,	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	Fire Enclosure		N/A
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



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hotek	Page 32 of 64 IEC 62368-1	Report No.: 18230SC10	otek .
Clause	Requirement + Test	Result - Remark	Verdict
Clause	Requirement + rest	Nesuit - Nemaix	Verdict
M.7	Risk of explosion from lead acid and NiCd batteries	St. VIII	N/A
M.7.1	Ventilation preventing explosive gas concentration		N/A
M.7.2	Compliance and test method		N/A
M.8	Protection against internal ignition from external spark sources of lead acid batteries		N/A
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 <i>Vz</i> (m³/s):		
M.8.2.3	Correction factors:		_
M.8.2.4	Calculation of distance d (mm):		_
M.9	Preventing electrolyte spillage		N/A
M.9.1	Protection from electrolyte spillage		N/A
M.9.2			
M.10	Instructions to prevent reasonably foreseeable misuse (Determination of compliance: inspection, data review; or abnormal testing):		N/A
N	ELECTROCHEMICAL POTENTIALS		N/A
	Metal(s) used:	Pollution degree considered	_
0	MEASUREMENT OF CREEPAGE DISTANCES AN	ND 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



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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Anbole	Aupon Mr. Hotek Aupons Mus	tek anbore And	-botek
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):		_



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potek	Page 34 of 64 IEC 62368-1	Report No.: 18230SC1	otek ar
Clause	Requirement + Test	Result - Remark	Verdict
anbotek	Auto, My Hotek Autore, Mun	otek Anborek Anbo	-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
S.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
Т	MECHANICAL STRENGTH TESTS		Р
T.1	General requirements		Р
T.2	Steady force test, 10 N		N/A
T.3	Steady force test, 30 N	(See appended table T3)	N/A
T.4	Steady force test, 100 N	(See appended table T4)	Р
T.5	Steady force test, 250 N:	(See appended table T5)	N/A



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bose	IEC 62368-1	Anbore Ant niek ant	otek p
Clause	Requirement + Test	Result - Remark	Verdict
anborek	Anbe Anbert Anbert Anbert	tek Aubores Antes	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
J.2	Compliance and test method for non-intrinsically protected CRTs		N/A
U.3	Protective Screen:	(See Annex T)	N/A

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



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otek bi	Inpotek	Anbores Anotek	IEC 62368-1	Anborek anborek	Aupon Pup
Clause	Anborek	Requirement + Test	Anbores	Result - Remark	Verdict

4.1.2 TABL	E: List of critical com	ponents	Ann Lotek Anb	oten Anbo	Prek
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	UE _K Pup
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 oren Amb

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



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4.7	030	VILLE	1 agc 57 01 0+			11cport 140 1023000 10001701		
upoten V				IEC 62368-1				Anbor
Clause	e Anso hotel	Require	ement + Test	k upotek	Anbor R	esult - Remark	AntioteV	erdict 💅

4.8.4, 4.8.5	TABLE: L	ithium coin/button cell batteries	s mechanical tests	N/A	
(The follo	wing mechan	ical tests are conducted in the	sequence noted.)		
4.8.4.2	TABLE: St	ress Relief test	otek upotek Aupo.	_	
	Part	Material	Oven Temperature (°C)	Comments	
nbotek	Aupore	K hotek Anboten	Anborek Anbor	K wolek	
4.8.4.3	TABLE: Ba	attery replacement test	Anbo tek nbotek Anbor	_	
Battery pa	ırt no	:	Anbo sek abotek An	<u> </u>	
Battery Ins	stallation/with	drawal	Battery Installation/Removal Cycle	Comments	
hoor	Ar. worek	Anboten Anb	botek Anbor Ar botek	Anbotes An	
4.8.4.4	TABLE: Dr	op test of the state of the sta	Anbotek Anbote Am	_	
Impact Are	a	Drop Distance	Drop No.	Observations	
Anba	otek ont	ctek Aupon An abotek	Anboten Anb otek ont	ptek -Anbor	
4.8.4.5	TABLE: Im	pact	ek Anborek Anbo	_	
Impacts	per surface	Surface tested	Impact energy (Nm)	Comments	
Aupote.	Ann	"Upotek - Tupo, Uk	hotek Anbote And	vuporek.	
4.8.4.6	TABLE: Cr	ush test	Anbotek Anbotek Anbo	-	
Test position Surface tested		Surface tested	Crushing Force (N)	Duration force applied (s)	
bu.	- sek	potek Anbo ok both	Aupor - Am Otek	hotek Anbo	
Supplemer	ntary information	on: wotek	otek anbotes Anbo. ok	hotek Anb	

4.8.5	TABLE: 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							



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	-03	011	r ago oo or or			110001111011102000010001101		
nooter			Aupo, rek	EC 62368-1				
Clause	Andhotek	Require	ment + Test	h. abotek	Res	sult - Remark	Anboth	Verdict

5.2	Table:	Classification of	electrical energy	sources	- hotek	Anboren	P otek	
5.2.2.2	- Steady Sta	te Voltage and Cu	irrent conditions	70,	×07	-V	WO.	
No.	Supply	Location (e.g.	Test conditions		Parameter	rs	ES Class	
140.	Voltage	designation)	rest conditions	U (Vrms or Vp	ok) (Apk or	Arms) Hz	LO Olasc	
PU	5Vdc	Input terminal	Normal	5.32Vdc	Kupore	DC	Anbotek	
	Alpoie.	unbo +/-	Abnormal	5.35Vdc	Anbore-	DC	ES1	
otek otek	Anbotek	Anbotek	Single fault- SC/OC	ipotek Pupo,	lek Pupot	notek Anboth	anbot Anbot	
5.2.2.3	- Capacitance	e Limits						
No	Supply	Location (e.g. circuit	Toot conditions		Parameters	3	ES Class	
No.	Voltage	designation)	Test conditions	Capacitanc	e, nF	Upk (V)	ES Class	
P	100 P	botek - Ant	Normal	ek nbatek	Anb	k hotek	Aupole	
	Anbore	Vun	Abnormal	otek Andotek Inbot		rek Annabote	k Vupos	
	Anborek	Anbotek	Single fault- SC/OC	Anborek An	porek Ant	anbotek Anb	otek Ani	
5.2.2.4	- Single Pulse	es	5.0	.0.5		V.		
	Supply	Location (e.g.			Parameters			
No.	Voltage	circuit designation)	Test conditions	Duration (ms)	Upk (V)	lpk (mA)	ES Class	
-relk	A aborek	Anbore.	Normal	otek Anbo	tek nb	otel Anbote	Arre to	
	A. abotek	Aupole	Abnormal	Anborek Anb	-tek -	obotek Anbo	Ne Ann	
	iek wool	nek Anbotes	Single fault –	Anbotek	nbo rek	abotek A	upote. b	
Anbo	bu.	otek Anbote	SC/OC	nbotek	Aupo,	-otek	D'ipote.	
5.2.2.5	- Repetitive F	Pulses						
No.	Supply	Location (e.g. circuit	Test conditions		Parameters	1	ES Class	
140.	Voltage	designation)	1 Oot oor laitions	Off time (ms)	Upk (V)	lpk (mA)	LO Olass	
anbotek	Fupor.	Al. Hotek	Normal	'upo	obotek Ar	ipole - Al	hotek A	
w. apo	ek Anbot	ok And Hotel	Abnormal	Anboi	anbotek	Aupoles A	hotek	
Pr.	ootek An		Single fault – SC/OC	Anbotek Anbotek	Aupatek	Anbotek	Anbotek	
E O	anditions:	otek vi	poter Pup	horol yo	Pupo	A. A.	Aubojen	

Test Conditions:

Normal -

Abnormal -

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

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		6.77	Tugo oo or o			11CP011110 102000010001701		
Yupoter h				IEC 62368-1				Aupor
Clau	use	Requir	ement + Test	k spolek	Anbore R	esult - Remark	Autorek	erdict 💆

Diepo,	10/4	ipote, po	V.	, v=0	yek A	upo, b	194	anbote
5.4.1.4, 6.3.2, 9.0, B.2.6	TABLE: Temperature	e measureme	ents rem				Anborek	Anbotek
tek	Supply voltage (V)		: 5V	'dc	Anbo	-nbotel	- Fupore	_
upo sek	Ambient T _{min} (°C)	Arra MON	Y AN	Dotok	VUpo.	lek upc	iek bup	_
Aupo.	Ambient T _{max} (°C)	N Aug	otek -	Anboten	Pupe	rek	lootek p	_
Anbo	Tma (°C)	pore An	: 70	0.0	ek by	100 P	abotok	_
Maximum m	neasured temperature	Γ of part/at:		<u>.</u>	Т ((°C)		Allowed T _{max} (°C)
PCB near in	nput terminal	h. abolek	78	3.1	PUP.	Anbotek	-Pupo.	130
PCB near U	I1 Anbotek Anbo	ek aboje	86	5.5	Villa Villa	ek anbo	ek Anbi	130
PCB near U	12 Anbotek Anbot	*6K * "4p,	83	3.7	- bus	orek An	potek All	130
nternal wire	Anbotek Ant	201 P11	, to e 76	5.1 Anbor	P.(.	hotel	Anbotek	80
Ambient	otek Anbotek	Yupo, tek	70	0.0	10 ter	Pur Polek	Anlaotek	Anbo.
Fouch temp	perature clause 9.0	Anbo	Anbote	N.	Aupor	Andorek	Anboren	Pupo
Enclosure o	outside near U2	Anou	27	[:1 ^{@)k}	PUPO.	k - wol	K - Anbo	60
Ambient	abotek Anbore	Anbo	25	5.0	- Vupos	rek All	jotek An	DOLON T
Supplement	tary information:	olo, Yup	wotek.	Anbote	k Anh	16/r 20. by	abotek	Aupolou
Temperatur	e T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C	R ₂ (9	(°C)	Allowed T _{max} (°C)	Insulatio class
-oX-	obotek Anbo	hdek	arbote.	P	illo	abotek.	Pupo.	Pro-

Supp	lementary	inform	ation:

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

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

5.4.1.10.2 TABLE: Vicat softening temperature of	thermoplastics N/A
Penetration (mm)	And Anbotek Anbote —
Object/ Part No./Material	Manufacturer/t T softening (°C) rademark
Anbotek Anbotek Anbotek Anbote	Ambotel- Anotel Ambotek
supplementary information:	Lotek Anbor An Lek aboten







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100	-03	202	I d	ige 40 01 04	Rep	UIT 110 1020	000010001	701
'upoter.			Aupor	EC 62368-1				Anbo.
Claus	e harrie	Requir	ement + Test	A. abotek	Resul	t - Remark	Antore	Verdict **

5.4.1.10.3 TABLE: Ball pr	essure test of thermoplastic	SAND otek Anbotek	Anbore	N/A	
Allowed impression diameter	(mm):	≤ 2 mm	Anbors	_	
Object/Part No./Material	Manufacturer/trademark	Test temperature (°C)	Impression diameter (mm)		
tek abotek Anb	Auotek Aupo	er Ando	otek Aupora	r bu	
Supplementary information:	nbore And otek or	ibotek Anbo ak	aborek Anb	No. Vu	

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	- K.	botek	Anbore	Ann-	Anbot	- Aup	*8K
Anotek	Anboiek Anbo	*6/K	"potek	A-bore	V VO	ek - An	otek - P	400
Supplementa	ary information:	upo.	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" And	otek onbot	ek b
Anboten	Pollution Degree:	Anboy An hot	ek Anboten A	upp stek	potek
Clearance distanced between:		Required withstand voltage	Required cl (mm)	Measured cl (mm)	
- Ans	otek unbotek Anbo.	ak botek	Anbore Anu	Nupotek -	Anbo.
Se Vu	ob abotek Anb	N Am	Anbotes Anbo	ek spotek	Anbo
Suppleme	entary information:	nbore And	Anbotek Anbe	ok hote	J.K. D.L.

5.4.2.4	TABLE: Clearances	TABLE: Clearances based on electric strength test							
Test volta	ge applied between:		Required cl (mm)	Test voltage			reakdow Yes / No		
ak Aup	o hotek	Aupole.	Ann	anbotek	Anbo	yk	oo'telk	Anbore	
Suppleme	ntary information:	Aupore,	And	anbotek	Aupo,	ok br	hotek	Anb	

5.4.4.2, 5.4.4.5 c) 5.4.4.9	TABLE: Dis	tance through	insulation i	measureme	ents Anborek	Anbotek	N/A
Distance th insulation d		Peak vol (V)	tage F	Frequency (kHz)	Material	Required DTI (mm)	DTI (mm)
Doe No	Lotek	upoter Tul	*ek	abotek	Aupora b	hotek At	ipoten - Aupo
Nupole A	Ann	Anbotek	Aupo rek	-bolek	Anbore	Arra Colek	Anborek An

Shenzhen Anbotek Compliance Laboratory Limited

Hotline 400-003-0500 www.anbotek.com



Page 41 of 64 Report No.: 18230SC10061701 IEC 62368-1 Result - Remark Verdict Clause Requirement + Test

1267	3-101	- 40.97		La U	1257	810	- 47.7/
Supplementar	y information:	-botek	Anbore.	Ann	Anbotek	Anbo.	Protek

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 dischar	ge on capacito	ors of the A		N/A
Supply Vo	Itage (V), Hz	Test Location	Operating Condition (N, S)	Switch position On or off	Measured Voltage (after 2 seconds)	ES Classification
Anbo	ok abote	k - Aupore	V Vun	k -nbotek	Aupo	potek -Anbore
	ntary informat ors installed fo		upotek Yur	otek Anbot	potek Anbotek	Anbotek Anbote
□ bleedii □ ICX: Notes:	ng resistor rati	ng:				

Phase to Neutral; Phase to Phase; Phase to Earth; and/or Neutral to Earth

B. Operating condition abbreviations:

A. Test Location:

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

5.6.6.2	TABLE: Resistance of	protective condu	ctors and terminati	ons	N/A	
Accessible part		Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)	
Pupo	K hotek Ant	oten And	k abotek	Vupo, - bi.	hotek -Anboten	
Suppleme	entary information:	Anbotek Anbo	otek Anbotek	Anbolo A	Ambotek Ambotes	

5.7.2.2, 5.7.4	TABLE: Earthed accessible conductive pa	utolek Yupo, W	Anbotek	N/A
Supply vo	Itage	Anborek anborek	Anborr	_
Location		Test conditions specified IEC 60990 or Fault Con in IEC 60990 clause 6.2 through 6.2.2.8, except	dition No 2.2.1	Touch current (mA)
al-pole.	Aug otek Vupotek Vupo	otek Anbore - Ar	otek.	Anbotek A

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	201 201 201							
"Doter "				IEC 62368-1				
Clause	Yuga Wek	Requir	ement + Test	ak potek	Res	sult - Remark	ankore	Verdict

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	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
DC input terminal	notek p	Power (W)	:	siek.	Anotek	>15W	-botek		Tupoje.
	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	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	Ofer Ann	aborek	Aupo,	hotek Anboren	Ano			







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2.4		671.	-05					<u> </u>
inpoter.				IEC 62368-1				
Clause	Anb	Requir	ement + Test	ak abotek	Anbo Re	esult - Remark	My of V	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	botek Anbote And	N/A ¹⁰⁰
Description	1	Values	Energy Source Classification
Lamp type.	Anto Busek Antonio	Anbotek Anboten	_
Manufactui	rer: wood	And otek unbotek	_
Cat no	ege trupo, the prompt the	And stek Anbotel	_
Pressure (d	cold) (MPa):	poter And	MS_
Pressure (d	operating) (MPa)	Anbotek Anbo	MS_
Operating t	time (minutes)	Anbotek Anbo. A	_
Explosion r	method:	Anborek Anbor	_
Max particl	e length escaping enclosure (mm) .:	ek nbotek Anbote	MS_
Max particl	e length beyond 1 m (mm):	lok abotek Anbote	MS_
Overall res	ult	por by posek Pupo	ter Ann stek Anbotek
Supplemen	ntary information:	Anbotek Anbotek Ar	poter Anbotek Anbo

B.2.5	TABLE: Inp	ut test					botek Anbote
U (V)	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/stat
Powered by I	DC source:	otek Anbo	HER AL	ipo rek al	potek p	upore	Pil.
5Vdc	0.403	0.5	2.02	Anborek	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	_







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100	250	000	raye 44	10104	Neport No., 1020	00001701
"upo _{fer} "			IEC 62	368-1		Anbotek Anbo
Claus	e Anto	Require	ement + Test	abotek Ant	Result - Remark	Verdict

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

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.

VU _D	Lotek .	aupo,	Di.	- 0	poter	VL	D- 1	Lote K	-	Pupo,
B.4 T	ABLE: Fault co	ondition tests	Anbo.	n bis	Lorel	-	Anbote	AUD	No.	Potek
Ambient tempe	erature (°C)	26 Per. 2004 E.K.	- pobot		ARL	25.0			Van	_
Power source	for EUT: Manu	facturer, mode	/type, outp	ut rating	AUG	-tek	nbote	k Die	100.	_
Component No	c. Fault Condition	Supply voltage, (V)	Test time (ms)	Fuse no.		nt, (A)	T-couple	Temp. (°C)	Ok	servation
U1 pin 2-13	SC MANDONE	5Vdc	10mins	Ant otek	inbotek Anbot	ek botek	nbotek Anbotek Anbotek	Anbotek Anbot	dow imm prot dam	t shut on nediately, ection, no naged, no ard.
U3 pin 2-5	SC	5Vdc	10mins	Anbore Anb	otek obotek	Anbotel Anb	nbotek Arbotek	Anborek Anborek	dow imm prot	nediately, ection, no naged, no
potek Anbor Anborek Q1 An	bolek SC Anbo	5Vdc	10mins	nbotek Anbotel	Anbo.	Anbotek Anbotek	Anbotek Anbot	ek Ant	dow imm prot	nediately, ection, no naged, no
Supplementary	y information:	anborek	Aupo	, por	botek	P ₁	pore	Du.	(-	anbotek



	2,00	VUD	Page 45 01 64	Report No.: 1823	305010061701
poter			IEC 62368-1		
Claus	e And	Requir	rement + Test	Result - Remark	Verdict

Clause	hoten		requiren	ICHILT TOSI		bir.	i vesuit	Remaik	Ant.	Verdict
anbore	bu.	ok	aboter	Anbe	V V	otek	Anbore	bu.	,ek	poter
Annex M	TABLE:	Batte	eries						.el	N/A
The tests of	f Annex M	are a	applicable o	only when app	ropriate ba	attery data	is not ava	ailable	lpo.	N/A
Is it possible	e to install	the l	oattery in a	reverse polar	ity position	?		No	Anbo	br.
	N	on-re	chargeable	e batteries		F	Rechargea	ble batteri	es	
		isch	arging	Un-	Chai	ging	Disch	arging	Reverse	d charging
	Mea curr		Manuf. Specs.	intentional charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.
Max. currer during norm condition		Aupo,	ek Wuj	otek Anb	Upole jr Pler	Anbotek hote	Anbote Ant	otek An	unbotek stek	Anbotek
Max. currer during fault condition		A.D	Anbotek Notek	Anbotek Anbotek	Anborel Anborel	Aup	otek obotek	nbotek Anbotek	Anboi	otek bi
Test results	in and	oter	Plun	10° 10°	stek A	upo.	hi.	6 <u>~~</u>	o ^{to}	Verdict
- Chemical	leaks	upot	Ant Ant	o, bi	abotek	Aupoter	PUDD-	rek -	Inbotek	N/A
- Explosion	of the batt	ery	otek	Yupo, by	botek	Aupoto,	Puro	ntek -	anbotek	N/A
- Emission	of flame or	exp	ulsion of m	olten metal	hotek	Anbr	Die. b	Hos Helk -	Anboli (N/A
- Electric st	rength test	s of	equipment	after completi	on of tests	lek D	nbotek	VUP.	- 4	N/A
Supplemen	tary inform	ation	n: Anbore	Y Vuposa.	W. Ville	botek	Anborek	Anbo	otek pv	anbotek

Annex M.4		lditional safe (For monitor	guards for equ)	uipment co	ntaining	seconda	ary lithiu	m Ant	N/A
Batter	•	Test	conditions		Meas	urement	s		Observation
No	0.			U		I (A)	Temp	o (C)	
Pur.	ek an	potek Ant	, by,	notek p	upole	AUG	sek -	nhote	k bopo,
Supplementa	ary Informa	ation:	Anbore An	notek	Anboten	VU	, tek	100	otek Anbore
Battery identification		harging at T _{lowest} (°C)	Observa	ation	T_h	ging at ighest C)		Obs	ervation
Auporo-	Vu.	jk anbote	Anbo -	alk alp ⁰	lek.	Hupore	bu.	Lotek	Anbotek
Supplementa	ary Informa	ation:	otek Aupon	N. Pri	hotek	Anbore	P.	no rel	k anbotek







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potek	Anbore	Pu-	IEC 62		boses Moderno: 1020	500010001701
Clause	Antone	Require	ement + Test	nbotek	Result - Remark	Verdict

					Vier
ed UOC (V) with all loa	ad circuits discor	nnected:	lek Yupo,	rek mborel	k Anbore
Components	U _{oc} (V)	I _{sc} (A	4)	S (V	/A)
		Meas.	Limit	Meas.	Limit
Aupo, Au	- Autorie	PUR.	abutek	Aupo,	notak
		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 Anborek A	nbore Ant	potek Anbotek	tek anbotek Pr
tion	Material	Thickness (mm)	Force (N)	Test Duration (sec)	Observation
sure	Plastics	1.20	100 kek Anbotek	5s	No damaged, no hazard
n re	Plastics	1.20	botek 100 Anbote	5s anborek	No damaged, no hazard
sure	Plastics	1.20	100	5s Mark	No damaged, no hazard
	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	Anbore Ann	otek anbote	V. Vupo.	18 - N	N/A OTO
Part/Locat	ion	Material	Thickness (mm)	Vertical distance (mm)		Observation	on
VUD.		otek Aupor	L hotek	Auporen b	Up.	nbotek.	Aupo, ok
Supplementa	ary info	ormation:	k An-	Anboten	Anbo	abotek	Anbore

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

Shenzhen Anbotek Compliance Laboratory Limited





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otek Ar	ipor Ar	nbotek Anbotes	IEC 62368-1	Anboren Anborek	Anbotek Anb
Clause	and	Requirement + T	est	Result - Remark	Verdict

T.8 TABL	.E: Stress relief to	est Anbore	And	Anbotek	N/A	4
Part/Location	Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observation	
abotek Anboten	V. Votek	nnbutek	Aupor - Air	abotek - Anbr	er And -otek	
Supplementary info	ormation:					



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nbotek	Anbote tek Anonbotek	IEC62368_1D	- ATTACHMENT	Anbou	Andotek	Anb
Clause	Requirement + Test	Anbore	Result - Remark	k Anboniek	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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Up.	CENELEC C	COMMON MOE	DIFICATION	NS (EN)	Ano	-botek	RT	Verdi
Anborrabote		clauses, notes :2014 are prefix		ures and annexes	s which are a	dditional to thos	e in	Anbote
NTENT	Add the follo	wing annexes:	*ek	abotek Anbo	V. P.	botek Anbe	No.	P
	Annex ZA (no Annex ZB (no Annex ZC (ir Annex ZD (ir	ormative) ormative) oformative)	with to Speci A-dev	ative references heir correspondin al national condit viations nd CENELEC co	ng European p tions	oublications	Anbah Anbah	
Anbore	Delete all the to the following		s in the ref	erence document	t (IEC 62368-	1:2014) accordi	ng	Po
	0.2.1	Note	1	Note 3	4.1.15	Note	ote.	
	4.7.3	Note 1 and 2	5.2.2.2	Note	5.4.2.3.2.2 Table 13	Note c	Anbe	
	5.4.2.3.2.4	Note 1 and 3	5.4.2.5	Note 2	5.4.5.1	Note	1	
	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3	otek	
	5.7.5	Note	5.7.6.1	Note 1 and 2	10.2.1 Table 39	Note 2, 3 and 4	la kodnu	
	10.5.3	Note 2	10.6.2.1	Note 3	F.3.3.6	Note 3	Ano.	
Anboten	For special r	national condition	ons, see Ar	nnex ZB.	k Anbore	Pup.	Jr.	N/A
k Anbo	Add the follo	lv.	ances in elect	rical and	otek Anb	olok Vipor	otek	N/A







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		IEC62368_1D - ATTAC	CHMENT	
Clause	Requirement + Test	Anbotek Anbote	Result - Remark	Verdic
an botek	Anbores Anbou	Anbotek Anbote	ak botek Anbotek	Anborotek
Anbotek Anbotek Anbotek	Add the following new su To protect against excess and earth faults in circuits mains, protective devices as integral parts of the eq the building installation, so b) and c): a) except as detailed in b) devices necessary to com requirements of B.3.1 and	sive current, short-circuits connected to an a.c. shall be included either uipment or as parts of ubject to the following, a), and c), protective aply with the	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N/A
	b) for components in serie the equipment such as the coupler, r.f.i. filter and swi earth fault protection may protective devices in the b c) it is permitted for plugg	e supply cord, appliance tch, short-circuit and be provided by building installation;	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek Anbotek Anbotek
	or permanently connect dedicated overcurrent and in the building installation of protection, e.g. fuses o specified in the installation	ed equipment, to rely on d short-circuit protection , provided that the means r circuit breakers, is fully	Potek Anbo. A.	otek Anbotek
	If reliance is placed on proinstallation, the installation state, except that for plug A the building installation providing protection in according to 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 e The requirement for interc circuit is in addition given	connection with external	Anbotek Anbotek Anbotek Anbotek	N/A
10.2.1	Add the following to c) and For additional requirements, see		Anborek Anborek	N/A



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Add the following after the first paragraph: For RS 1 compliance is checked by measurement under the following conditions: In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or presets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made. NOTE 21 Soldered joints and paint lockings are examples of adequate locking. The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the apparatus. Moreover, the measurement shall be made under fault conditions causing an increase of the high-voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made. For RS1, the dose-rate shall not exceed 1 μSv/h taking account of the background level. NOTE 22 These values appear in Directive 96/29/Euratom of 13 May 1986. Add the following paragraph to the end of the subclause: EN 71-1:2011, 4:20 and the related tests methods and measurement distances apply.	abotek.
For RS 1 compliance is checked by measurement under the following conditions: In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or presets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made. NOTE 21 Soldered joints and paint lockings are examples of adequate locking. The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the apparatus. Moreover, the measurement shall be made under fault conditions causing an increase of the high-voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made. For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level. NOTE 22 These values appear in Directive 96/29/Euratom of 13 May 1996. Add the following paragraph to the end of the subclause: EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	Verdi
For RS 1 compliance is checked by measurement under the following conditions: In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or presets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made. NOTE 21 Soldered joints and paint lockings are examples of adequate locking. The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the apparatus. Moreover, the measurement shall be made under fault conditions causing an increase of the high-voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made. For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level. NOTE 22 These values appear in Directive 96/29/Euratom of 13 May 1996. Add the following paragraph to the end of the subclause: EN 71-1:2011, 4:20 and the related tests methods and measurement distances apply.	Ant
under the following conditions: In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or presets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made. NOTE 21 Soldered joints and paint lockings are examples of adequate locking. The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the apparatus. Moreover, the measurement shall be made under fault conditions causing an increase of the high-voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made. For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level. NOTE 22 These values appear in Directive 96/29/Euratom of 13 May 1996. Add the following paragraph to the end of the subclause: EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	N/A
controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or presets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made. NOTE Z1 Soldered joints and paint lockings are examples of adequate locking. The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the apparatus. Moreover, the measurement shall be made under fault conditions causing an increase of the high-voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made. For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level. NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996. Add the following paragraph to the end of the subclause: EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	Anbo.
measurement is made. NOTE Z1 Soldered joints and paint lockings are examples of adequate locking. The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the apparatus. Moreover, the measurement shall be made under fault conditions causing an increase of the high-voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made. For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level. NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996. Add the following paragraph to the end of the subclause: EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	Anhotek Anhotek
adequate locking. The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the apparatus. Moreover, the measurement shall be made under fault conditions causing an increase of the high-voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made. For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level. NOTE 22 These values appear in Directive 96/29/Euratom of 13 May 1996. Add the following paragraph to the end of the subclause: EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	ak Anboro
radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the apparatus. Moreover, the measurement shall be made under fault conditions causing an increase of the high-voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made. For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level. NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996. Add the following paragraph to the end of the subclause: EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	Arra
fault conditions causing an increase of the high- voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made. For RS1, the dose-rate shall not exceed 1 μSv/h taking account of the background level. NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996. Add the following paragraph to the end of the subclause: EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	Anbatek Anbatek
taking account of the background level. NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996. Add the following paragraph to the end of the subclause: EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	Anbotel Anbotel
13 May 1996. Add the following paragraph to the end of the subclause: EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	loter P
subclause: EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	Aup
EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	N/A
and measurement distances apply.	And
Anbotek Anbote	Anbo
	otek A
	nbotek
	inv
	Arbo
	Anbotek
ek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	i no
ek arbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	stek An
	Jak M.
ok botek Anbor An otek snbotek Anbo ok motek A	Anbotek Anbotek
botek Anbotek	Anbotek
Anbotek	notek



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	Requirement + Test		Result - Remark	ipore Ville	Verdic
hotek	Anbores Anborres	anbotek Anbote	ok botek	Aupoten An	otek.
0.Z1	Add the following new sub	clause after 10.6.5.	or All	Anboren	N/A
	10.Z1 Non-ionizing radia frequencies in the range		urbotek Anbu		Anbore
	The amount of non-ionizin by European Council Reco 1999/519/EC of 12 July 19 exposure of the general pufields (0 Hz to 300 GHz).	ommendation 199 on the limitation of	Anbotek Anbotek Anbotek Ar		otek An-
	For intentional radiators, Idbe taken into account for L Time-Varying Electric, Ma Electromagnetic Fields (up held and body-mounted de	imiting Exposure to gnetic, and book to 300 GHz). For hand-	nbotek Anbotek		Anbotek Anbotek
	to EN 50360 and EN 5056		Anbotek Anbo		Hek A
9.7.1 ×	Add the following note:	abotek Anbo	An otek	aupote, Aur	N/A
	NOTE Z1 The harmonized code the IEC cord types are given in A		tek Anbo		inbore hotek
ibliograph	Add the following standard	ds: Marie M			N/A
	Add the following notes fo	r the standards indicated	Anbore An		Anbe
	IEC 60130-9 NOTE	Harmonized as EN 601	30-9.		
					D.7
	IEC 60269-2 NOTE	Harmonized as HD 602			*ek bi
	by Contract of Con	Harmonized as HD 602 Harmonized as EN 603	69-2.		olek V.
	IEC 60309-1 NOTE		69-2. 09-1.	series.	itek A
	IEC 60309-1 NOTE NOTE	Harmonized as EN 603	69-2. 09-1. in HD 384/HD 60364	series.	ipotek
	IEC 60309-1 NOTE IEC 60364 NOTE IEC 60601-2-4 NOTE	Harmonized as EN 603 some parts harmonized	69-2. 09-1. in HD 384/HD 60364 01-2-4.	series.	tek hotek Anbotek
	IEC 60309-1 NOTE IEC 60364 NOTE IEC 60601-2-4 NOTE IEC 60664-5 NOTE	Harmonized as EN 603 some parts harmonized Harmonized as EN 606	69-2. 09-1. I in HD 384/HD 60364 01-2-4. 64-5.		anbotek
	IEC 60309-1 NOTE IEC 60364 NOTE IEC 60601-2-4 NOTE IEC 60664-5 NOTE IEC 61032:1997 NOTE	Harmonized as EN 603 some parts harmonized Harmonized as EN 6066 Harmonized as EN 6066	69-2. 09-1. in HD 384/HD 60364 01-2-4. 64-5. 32:1998 (not modified)		botek Anbotek Anbotek Anbo
	IEC 60309-1 NOTE IEC 60364 NOTE IEC 60601-2-4 NOTE IEC 60664-5 NOTE IEC 61032:1997 NOTE IEC 61508-1 NOTE	Harmonized as EN 603 some parts harmonized Harmonized as EN 6066 Harmonized as EN 6103	69-2. 09-1. I in HD 384/HD 60364 01-2-4. 64-5. 32:1998 (not modified) 08-1.		botek Anbotek Anbotek Anbotek
	IEC 60309-1 NOTE IEC 60364 NOTE IEC 60601-2-4 NOTE IEC 60664-5 NOTE IEC 61032:1997 NOTE IEC 61508-1 NOTE IEC 61558-2-1 NOTE	Harmonized as EN 603 some parts harmonized Harmonized as EN 6066 Harmonized as EN 6103 Harmonized as EN 6103	69-2. 09-1. in HD 384/HD 60364 01-2-4. 64-5. 32:1998 (not modified) 08-1. 58-2-1.		botek Anbotek Anbotek Anbo
	IEC 60309-1 NOTE IEC 60364 NOTE IEC 60601-2-4 NOTE IEC 60664-5 NOTE IEC 61032:1997 NOTE IEC 61508-1 NOTE IEC 61558-2-1 NOTE IEC 61558-2-4 NOTE	Harmonized as EN 603 some parts harmonized Harmonized as EN 6066 Harmonized as EN 6103 Harmonized as EN 6156 Harmonized as EN 6156	69-2. 09-1. in HD 384/HD 60364 01-2-4. 64-5. 32:1998 (not modified) 08-1. 58-2-1.		tek Anbotek Anbotek Anbotek Anbotek
	IEC 60309-1 NOTE IEC 60364 NOTE IEC 60601-2-4 NOTE IEC 60664-5 NOTE IEC 61032:1997 NOTE IEC 61508-1 NOTE IEC 61558-2-1 NOTE IEC 61558-2-4 NOTE IEC 61558-2-6 NOTE	Harmonized as EN 603 some parts harmonized Harmonized as EN 6066 Harmonized as EN 6103 Harmonized as EN 6156 Harmonized as EN 6156 Harmonized as EN 6156	69-2. 09-1. in HD 384/HD 60364 01-2-4. 64-5. 32:1998 (not modified) 08-1. 58-2-1. 58-2-4.		tek Anbotek Anbotek Anbotek Ootek
	IEC 60309-1 NOTE IEC 60364 NOTE IEC 60601-2-4 NOTE IEC 60664-5 NOTE IEC 61032:1997 NOTE IEC 61508-1 NOTE IEC 61558-2-1 NOTE IEC 61558-2-4 NOTE IEC 61558-2-6 NOTE IEC 61643-1 NOTE	Harmonized as EN 603 some parts harmonized Harmonized as EN 6066 Harmonized as EN 6103 Harmonized as EN 6156 Harmonized as EN 6156 Harmonized as EN 6156 Harmonized as EN 6156	69-2. 09-1. in HD 384/HD 60364 01-2-4. 64-5. 32:1998 (not modified) 08-1. 58-2-1. 58-2-4. 58-2-6.		botek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
	IEC 60309-1 NOTE IEC 60364 NOTE IEC 60601-2-4 NOTE IEC 60664-5 NOTE IEC 61032:1997 NOTE IEC 61508-1 NOTE IEC 61558-2-1 NOTE IEC 61558-2-4 NOTE IEC 61558-2-6 NOTE IEC 61643-1 NOTE IEC 61643-21 NOTE	Harmonized as EN 603 some parts harmonized as EN 6060 Harmonized as EN 61030 Harmonized as EN 61500 Harmonized As	69-2. 09-1. in HD 384/HD 60364 01-2-4. 64-5. 32:1998 (not modified) 08-1. 58-2-1. 58-2-4. 58-2-6. 43-1.		tek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
	IEC 60309-1 NOTE IEC 60364 NOTE IEC 60601-2-4 NOTE IEC 60664-5 NOTE IEC 61032:1997 NOTE IEC 61508-1 NOTE IEC 61558-2-1 NOTE IEC 61558-2-4 NOTE IEC 61558-2-6 NOTE IEC 61643-1 NOTE IEC 61643-21 NOTE IEC 61643-311 NOTE	Harmonized as EN 603 some parts harmonized as EN 6060 Harmonized as EN 61030 Harmonized as EN 61500 Harmonized as EN 61600 Harmonized as EN 61500 Harmonized as EN 61500 Harmonized as EN 61600 Harmonized as EN 61500 Harmonized As	69-2. 09-1. in HD 384/HD 60364 01-2-4. 64-5. 32:1998 (not modified) 08-1. 58-2-1. 58-2-4. 58-2-6. 43-1. 43-21.		botek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek



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hotek	Anbotek Anbo.	IEC62368_1D - AT	TACHMENT	Anbo
Clause	Requirement + Test	Anbotek Anbo	Result - Remark	Verdict
pro hotek	Anbotes Ano	ek anbotek An	pore, bosek bu	botes Andon
4.1.15	Denmark, Finland, No	rway and Sweden	Anboic Air ofek	N/A
Anbo	To the end of the subcl	ause the following is add	ded:	botek Anbore
botek Anbotek	if safety relies on conne if surge suppressors an network terminals and a marking stating that the	e connected between the accessible parts, have a equipment shall be	all, g or ne	Anbotek Anbotek Anbotek
	connected to an earthe The marking text in the be as follows:	d mains socket-outlet. applicable countries sha	all Anbotek	Anbotek Anbotek
	In Denmark : "Apparate stikkontakt med jord so stikproppens jord."	ts stikprop skal tilsluttes m giver forbindelse til	s en	k Anbotek Anbote
	In Finland : "Laite on liit varustettuun pistorasiaa	ettävä suojakoskettimilla an"	arek Anboten Anb	otek Antostek
	In Norway : "Apparatet stikkontakt"	må tilkoples jordet	Anbotek Anbotek	inbotek Inbotek
	In Sweden : "Apparater uttag"	ı skall anslutas till jordat	Anto Anbotek Anbotek	Anbotek Anbotel
4.7.3	United Kingdom	Anbores Anb	k abotek Anbot	N/A
	To the end of the subcl	ause the following is add	ded:	Anbo
	complying with BS 136	rmed using a socket-ou 3, and the plug part sha nt clauses of BS 1363. A annex	ll be	nbotek Anbotek
5.2.2.2	Denmark	botek Anbore	Anbotek Anbotek	N/A
-ok -	After the 2nd paragraph	n add the following:	Pupp ok Protok	Anbore Ans
upotek Vu	A warning (marking saf	e touch current exceed		tek Aupolek Aupo



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,0,- P	IEC62368_1D - ATTAC	VIIPO, D.	atek ab	yer po
Clause	Requirement + Test	Result - Remark	Vupo. bu.	Verdict
Motek	Anbor Andrew Anboren Anbo	ek subotek	Anbor A	- botek
5.4.11.1	Finland and Sweden	sek shotek		N/A
nd Annex	To the end of the subclause the following is added:	pore Ann		Anbo
Anbo	For separation of the telecommunication network from earth the following is applicable:	Anbotek Anbo		Anbot
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	Anborek An		itotek Ani
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	ak Anbote		anbotek
	• one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	Anbotek Anbot		Anbore
	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	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek		botek Anbotek Anbotek
	in addition	yun otek aup		do Ve
	• 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		octek A
	• is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5kV.	otek Anbotek		Anbotek Anbotek
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	Vaposek Vup		k Anbo
	A capacitor classified Y3 according to EN 60384- 14:2005, may bridge this insulation under the following conditions:	Anbotek A		o en Ar
	• 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 Anbot
	• the additional testing shall be performed on all the test specimens as described in EN 60384-14;	Anbotek Ar		PLE PLE
Anbotek	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 Anbotek	Anbotek A	Aupotek Upoter
.5.2.1	Norway Market Ma	poten Aupo	ek hotek	N/A
	After the 3rd paragraph the following is added:	hotek Anbot		hodon
	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	Anbotek An		HEK AN







		IEC62368_1D - ATTAC	CHMENT	
Clause	Requirement + Test	Anbotek Anbotek	Result - Remark	Verdict
Anotek hotek	Anborek Anbors	Anbotek Anbote	ak hotek Anbotek	Vupo,
5.5.6	Finland, Norway and Swe To the end of the subclaus		botek Anbotek Anbotek	N/A
	Resistors used as basic sabasic insulation in class type A shall comply with G G.10.2.	afeguard or bridging I pluggable equipment	hotek Anboten Anb	potek Anbo
5.6.1	Denmark	Andore Andore	And tek abotek	N/A
	Add to the end of the subc	clause	stek Anbor ok Ar hotek	Aupoter.
	Due to many existing insta socket-outlets can be prote higher rating than the ratin the protection for pluggable be an integral part of the e	ected with fuses with g of the socket-outlets e equipment type A shal	Anbotek Anbotek Anbotek Anbotek	ak Anborek
	Justification: In Denmark an existing 13 protected by a 20 A fuse.	A socket outlet can be	Anbotek Anbotek	Anbotek Abotek
5.6.4.2.1	Ireland and United Kingd	iom Anbote Anb	tek nbotek Anbo	N/A
	After the indent for plugga the following is added:	ble equipment type A,	sbotek Anbotek Anbote	otek Anbot
	 the protective current r A, this being the largest ratemains plug. 		Anbotek Anbotek Anb	unbotek Ant
5.6.5.1	To the second paragraph t	the following is added:	of botek Anbote	N/A
	The range of conductor size be accepted by terminals for rated current over 10 A and A is:	for equipment with a d up to and including 13	optek Anbotek Anbotek Anbotek	Anbotek Anbotek
tek b	1,25 mm ² to 1,5 mm ² in cro	oss-sectional area.	upotek Aupo, W.	hotek Anto
5.7.5	To the end of the subclaus The installation instruction equipment if the protective	shall be affixed to the econductor current	Anbotek Anbotek Anbotek	N/A

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



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Clause	Requirement + Test	Result - Remark	Verdict
process of ek	Autores Autono Will Apolek Auto	Anbotek Anbotek A	ipor celk
5.7.6.1	Norway and Sweden	bolok Aliss	N/A
Anbore	To the end of the subclause the following is added	di potek Anbore An	Anbotek
	The screen of the television distribution system is	Anbotek Anbo	not
	normally not earthed at the entrance of the building	g Anbo	VUL
	and there is normally no equipotential bonding	Anboren Anb	rek An'
	system within the building. Therefore the protective	e Anbore An	-xel-
	earthing of the building installation needs to be isolated from the screen of a cable distribution	And An abotek An	(AO.
	system.	torsk Anbor An	rupoter.
	It is however accepted to provide the insulation	tek abotek Anbo	" wotek
	external to the equipment by an adapter or an	Anbore Anboren	AUD
	interconnection cable with galvanic isolator, which	nbotek Anbo k hotek	Anbor
	may be provided by a retailer, for example.	An otek anboter And	/s /s
	The user manual shall then have the following or	Anbo ak hotek Anbor	Pit.
	similar information in Norwegian and Swedish language respectively, depending on in what	k Anbore And	potek
	country the equipment is intended to be used in:	k spotek Anbo, An	. orek
	"Apparatus connected to the protective earthing o	f atek abotek	DUD.
	the building installation through the mains	ototek Anbo, A. otek	Anbore.
	connection or through other apparatus with a	tek upotek Anbo	hote
	connection to protective earthing – and to a	unbo. A. Lotek anbore	Ame
	television distribution system using coaxial cable,	anboten Anbo ak hote	Anh
	may in some circumstances create a fire hazard. Connection to a television distribution system	And Anbore And	-ek
	therefore has to be provided through a device	Anbe ak botek Ant	0
	providing electrical isolation below a certain	Hek Anbote And	botek
	frequency range (galvanic isolator, see EN 60728	- botek Anbor	atek.
	11)"	hbore And tek abotek	Anbe
	NOTE In Norway, due to regulation for CATV-installations, and in Sweden, a galvanic isolator shall provide electrical insulation		Anbore
	below 5 MHz. The insulation shall withstand a dielectric streng		6 %
	of 1,5 kV r.m.s., 50 Hz or 60 Hz, for 1 min.	Anbo. A. Lotek Anbore	Divis
	Translation to Norwegian (the Swedish text will	Anboren Anb	otek p
	also be accepted in Norway):	at hotek Anbore And	rek
	"Apparater som er koplet til beskyttelsesjord via	And tak tootek A	upo.
	nettplugg og/eller via annet jordtilkoplet utstyr – og	tek Aupore Arragek	anbotek
	er tilkoplet et koaksialbasert kabel-TV nett, kan	tek abotek Ambo.	in otel
	forårsake brannfare. For å unngå dette skal det	Albo, William Viek Vupoter	AUG
	ved tilkopling av apparater til kabel-TV nett installeres en galvanisk isolator mellom apparatet	anbotek Anbo k wotek	anbo
	og kabel-TV nettet."	hotek Anbotet Anb	Yes
	Translation to Swedish:	Anto ak hotek Anbo	by
	"Apparater som är kopplad till skyddsjord via jorda	anbore Anti-	botek
	vägguttag och/eller via annan utrustning och	ak spotek Anbore Ar	wek.
	samtidigt är kopplad till kabel-TV nät kan i vissa fa	all And tek abotek	Vupo.
	medfőra risk főr brand. Főr att undvika detta skall	potek Anbor Air	Anboten
	vid anslutning av apparaten till kabel-TV nät	Ar tek abotek Anbo.	m 01
	galvanisk isolator finnas mellan apparaten och	Anbo, Air stek Aubotek	Anbe
	kabel-TV nätet.".	tek apo, bi	VC.





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botek	IEC62368_1D - ATTAC	CHMENT	rek and
Clause	Requirement + Test	Result - Remark	Verdict
Notek Polek	Anbores And tek anborek Anbores	ak hotek Anboten Ar	io sek
5.7.6.2	Denmark To the end of the subclause the following is added: The warning (marking safeguard) for high touch current is required if the touch current or the protective current exceed the limits of 3,5 mA.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N/A
B.3.1 and B.4	Ireland and United Kingdom The following is applicable: To protect against excessive currents and short-circuits in the primary circuit of direct plug-in equipment, tests according to Annexes B.3.1 and B.4 shall be conducted using an external miniature circuit breaker complying with EN 60898-1, Type B, rated 32A. If the equipment does not pass these tests, suitable protective devices shall be included as an integral part of the direct plug-in equipment, until the requirements of Annexes B.3.1 and B.4 are met	And hotek Anbor	N/A
G.4.2	Denmark To the end of the subclause the following is added:	hotek Anboiek Anborek	N/A
otek Allootek Anbotek Anbotek	Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011. CLASS I EQUIPMENT provided with socket-outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	Anbore Anbore	Anbotek Anbotek Anbotek
	If a single-phase equipment having a RATED CURRENT exceeding 13 A or if a poly-phase equipment is provided with a supply cord with a plug, this plug shall be in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN 60309-2.		Anbot Ant
	Mains socket outlets intended for providing power to Class II apparatus with a rated current of 2,5 A shall be in accordance DS 60884-2-D1:2011 standard sheet DKA 1-4a.	ctek Anbotek Anbotek A	Anbotek Anbotek
	Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c.	Anbotek Anbotek Anbotek	Anbote An
	Mains socket-outlets with earth shall be in compliance with DS 60884-2-D1:2011 Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-5a or DK 1-7a Justification: Heavy Current Regulations, Section 6c	lek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	botek Anbotek Anbotek





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	IEC62368_1D - ATTA	CHMENT	
Clause	Requirement + Test	Result - Remark	Verdict
An hotek	Ambores And	ok hotek Anbotet Ar	utek.
G.4.2	United Kingdom	oo All Otek Anborek	N/A
	To the end of the subclause the following is added	1: botek Anbu	Anbore
	The plug part of direct plug-in equipment shall be assessed to BS 1363: Part 1, 12.1, 12.2, 12.3, 12.9, 12.11, 12.12, 12.13, 12.16, and 12.17, except that the test of 12.17 is performed at not less than 125 °C. Where the metal earth pin is	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	totek Anbot
	replaced by an Insulated Shutter Opening Device (ISOD), the requirements of clauses 22.2 and 23 also apply.	otek Anbotek Anbotek	anbotek botek
G.7.1	United Kingdom	An botek Anbote	N/A
	To the first paragraph the following is added:	Anbore An otek Anborek	Anbo
	Equipment which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to BS 1363 by means of that flexible cable or cord shall be fitted with a 'standar plug' in accordance with the Plugs and Sockets et		optek Antotek
	(Safety) Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted by those regulations.	nbotek Anbotek Anbotek	Anbore
	NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	Anbotek Anbotek Anbotek	Anb
G.7.1	Ireland	Anbott Antek Ant	N/A
	To the first paragraph the following is added:	tek unbotek Anbo	botek
	Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in accordance with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use	hotek Anbotek Anbotek	Anbotek Anbotek
upotek A	Regulations: 1997. S.I. 525 provides for the recognition of a standard of another Member State which is equivalent to the relevant Irish Standard	anbotek Anbotek Anbotek	olek bupa
G.7.2	Ireland and United Kingdom	tek Aupotek Aupo	N/A
	To the first paragraph the following is added:	ok botek Anbore A	atek
	A power supply cord with a conductor of 1,25 mm is allowed for equipment which is rated over 10 A and up to and including 13 A.	Albotek Anbotek Anbotek	Anbotek Anbotek



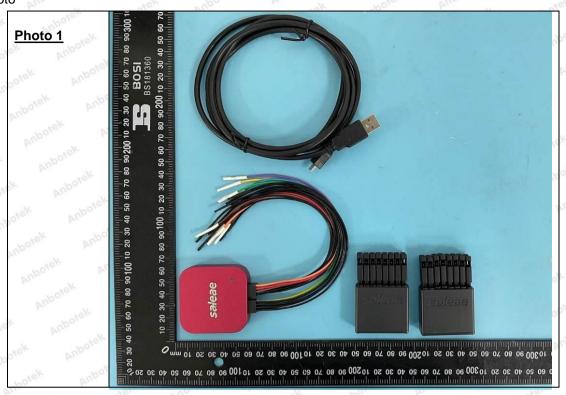
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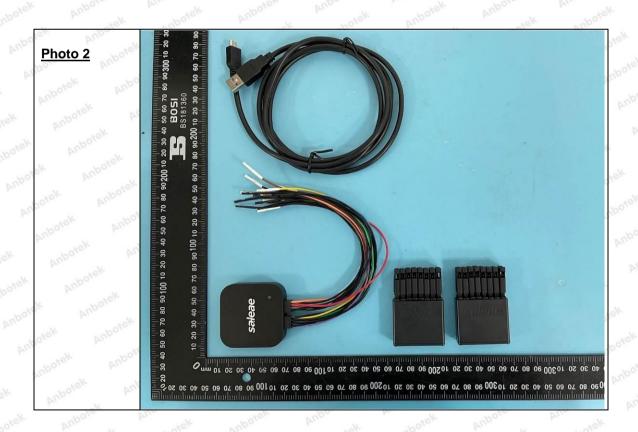
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hotek		IEC62368_1D - AT	TACHMENT	
Clause	Requirement + Test	Anbotek Anbo	Result - Remark	Verdict

ZC .	ANNEX ZC, NATIONAL DEVIATIONS (EN)	N/A
10.5.2	Germany of the Annual A	N/A
ek Aut	The following requirement applies:	
botek 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.	
anbote Anbote	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	



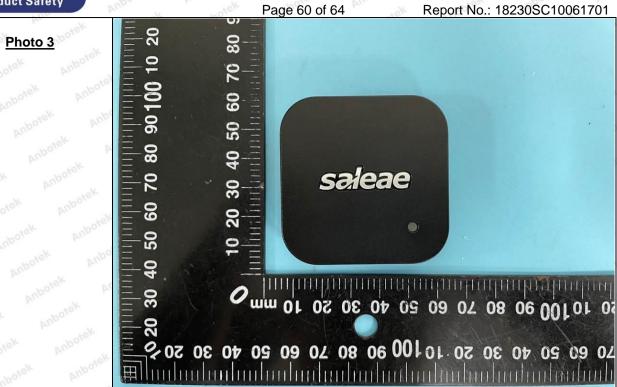
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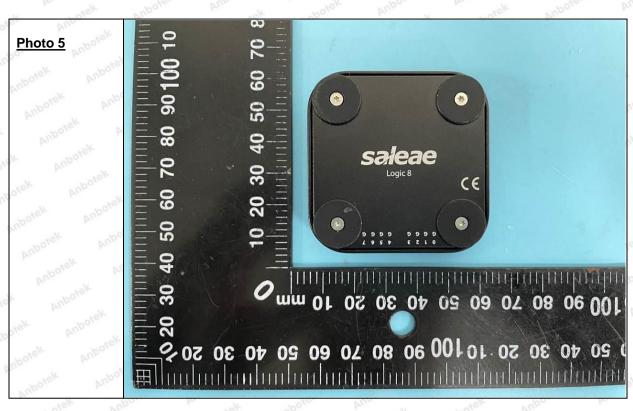








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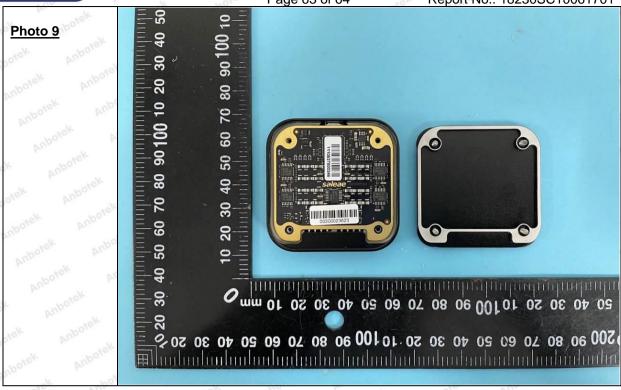
Photo 8

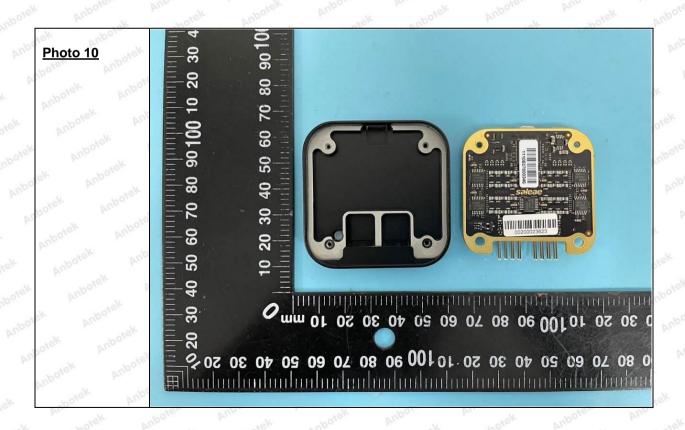


Shenzhen Anbotek Compliance Laboratory Limited



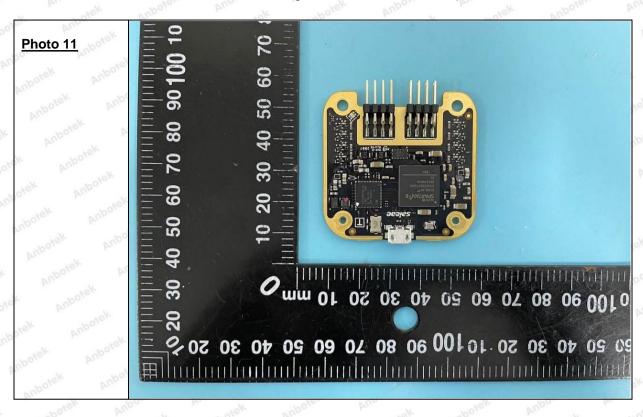
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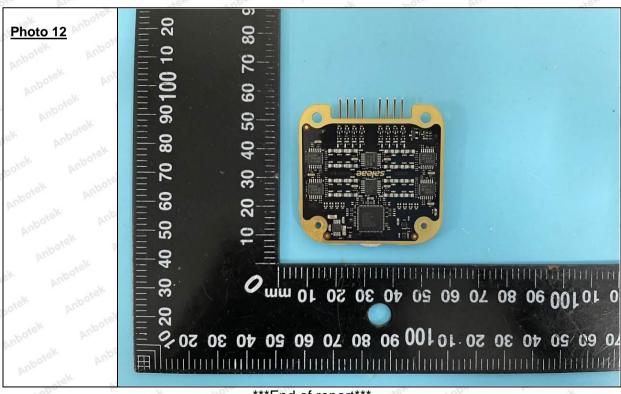






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End of report



