

**Address** 

Report No.: 18220WC30025303S

# **Test Report**

Applicant : Shenzhen Qianyan Technology LTD

No. 3301, Block C, Section 1, Chuangzhi

Yuncheng Building, Liuxian Avenue, Xili

Community, Xili Street, Nanshan District,

Shenzhen, 51800, China

Product Name : Govee RGBIC LED Neon Rope Light for

desks

Report Date : Apr. 21, 2023





## TEST REPORT IEC 62368-1

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

Report Number.....: 18220WC30025303S

Date of issue ...... Apr. 21, 2023

Total number of pages .....: 64 pages

Applicant's name .....: Shenzhen Qianyan Technology LTD

Avenue, Xili Community, Xili Street, Nanshan District, Shenzhen,

51800, China

**Test specification:** 

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

EN 62368-1:2014 +A11:2017

Test procedure.....: Type Test

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

#### General disclaimer:

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

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Testing proced	dure and t	testing	location:
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Testing Laboratory: Shenzhen Anbotek Compliance Laboratory Limited

Testing location/ address ...... 1/F, Building D, Sogood Science and Technology Park,

Sanwei community, Hangcheng Street, Bao'an District,

Shenzhen, Guangdong, China.518102

Tested by (name + signature) .....: Otto Guo

Approved by (name + signature). : Tim Sun









Test Item description	Govee RGBIC LED Neon Rope Light for desks
Trade Mark	Govee
Manufacturer	Same as applicant
Model/Type reference	H61C3
Ratings:	(Switching Power Supply input: 200-240V~, 1.0A Max, 50/60Hz,Output: 24.0VDC, 1.5A, 36.0W) Input: 24.0VDC, 1.5A

## 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

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

No decis	sion rule is	specified by the	IEC standard	d, when com	paring the mea	surement result	with the
applicable li	imit accord	ling to the specifi	cation in that	standard.	The decisions o	n conformity are	e made without
applying the	e measure	ment uncertainty	("simple acc	eptance" de	cision rule, prev	riously known as	s "accuracy
method").							

Other:	(to be specified,	for example	when require	ed by the	standard or	client, or	if national	accredita	ition
requirements	(vlane	Lotek.	DUPPE	300					

#### Information on uncertainty of measurement:

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

IEC Guide 115 provides guidance on the application of measurement uncertainty principles and applying the decision rule when reporting test results within IECEE scheme, noting that the reporting of the measurement uncertainty for measurements is not necessary unless required by the test standard or customer. Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the





#### Copy of marking plate:

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

Govee

Govee RGBIC LED Neon Rope Light for desks

Model: H61C3

Ratings: (Switching Power Supply input:

200-240V~, 1.0A Max, 50/60Hz, Output: 24.0VDC, 1.5A, 36.0W)

Input: 24.0VDC, 1.5A

CEZ

Manufacturer: Shenzhen Qianyan Technology LTD

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

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

Shenzhen, 51800, China

Importer: XXXX Address: XXXX

Made in China

#### Note:

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

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





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TEST ITEM PARTICULARS:	
Classification of use by:	<ul> <li>☑ Ordinary person</li> <li>☑ Instructed person</li> <li>☑ Skilled person</li> <li>☑ Children likely to be present</li> </ul>
Supply Connection:	☐ AC Mains ☐ DC Mains ☐ External Circuit - not Mains connected - ☐ ES1 ☐ ES2 ☐ ES3
Supply % Tolerance:	☐ +10%/-10% ☐ +20%/-15% ☐ +%/% ☑ None (supplied by a 24VDC port)
Supply Connection – Type:	<ul> <li>□ pluggable equipment type A -</li> <li>□ non-detachable supply cord</li> <li>□ appliance coupler</li> <li>□ direct plug-in</li> <li>□ mating connector</li> <li>□ pluggable equipment type B -</li> <li>□ non-detachable supply cord</li> <li>□ appliance coupler</li> <li>□ permanent connection</li> <li>□ mating connector</li> <li>☑ other: Not directly connected to mains</li> </ul>
Considered current rating of protective device as part of building or equipment installation:	N/A (Not directly connected to mains) Installation location:
Equipment mobility:	│ movable
Over voltage category (OVC):	☐ OVC I ☐ OVC II ☐ OVC III ☐ OVC IV ☐ other:(Not directly connected to mains)
Class of equipment:	□ Class II
Access location:	☐ restricted access area ☐ N/A
Pollution degree (PD):	☐ PD 1
Manufacturer's specified maxium operating ambient:	25°C Mills Andrew Andrew
IP protection class:	☑ IPX0
Power Systems:	☐ TN ☐ TT ☐ IT V <sub>L-L</sub> ☐ dc mains ☐ N/A
Altitude during operation (m)	☑ 2000 m or less ☐ m
Altitude of test laboratory (m)	☐ 2000 m or less
Mass of equipment (kg)	☐ Approx. 0.352 kg







Possible test case verdicts:	And tek obotek Anbo. K notek
- 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: Anborek Anborek	Notek Anbore And
Date of receipt of test item	: 2023-02-17
Date (s) of performance of tests	: 2023-02-17 to 2023-03-25
General remarks:	Ann tek abotek Anbo. K hatek
"(See Enclosure #)" refers to additional information (See appended table)" refers to a table appended Throughout this report a ☐ comma / ☒ point is use the second of the comma / ☒ point is use the co	to the report.  used as the decimal separator.
"(See appended table)" refers to a table appended  Throughout this report a ☐ comma / ☒ point is a  Manufacturer's Declaration per sub-clause 4.2.5 of  1. Operating Instructions, Ratings Labels and Warningthe county in question.  2. The equipment complies with the National Standa  3. According to the EU directives which have been a manufacturer and importer's name and address shall	used as the decimal separator.  If IECEE 02:  Ings Labels written in an Accepted or Official Language of and and/or Electrical Codes of the country in question.  Iligned with EU NLF (new legislative framework), both of the be affixed on the product or, where that is not possible,
"(See appended table)" refers to a table appended Throughout this report a ☐ comma / ☒ point is a Manufacturer's Declaration per sub-clause 4.2.5 of 1. Operating Instructions, Ratings Labels and Warningthe county in question. 2. The equipment complies with the National Standa 3. According to the EU directives which have been a manufacturer and importer's name and address shall	used as the decimal separator.  FIECEE 02:  Ings Labels written in an Accepted or Official Language of and and/or Electrical Codes of the country in question.  Iligned with EU NLF (new legislative framework), both of the affixed on the product or, where that is not possible, a product before the product is placed on the EU market.
Throughout this report a ☐ comma / ☒ point is understand the country in question.  2. The equipment complies with the National Standa 3. According to the EU directives which have been a manufacturer and importer's name and address shall on its packaging or in a document accompanying the	used as the decimal separator.  FIECEE 02:  Ings Labels written in an Accepted or Official Language of and and/or Electrical Codes of the country in question.  Iligned with EU NLF (new legislative framework), both of the affixed on the product or, where that is not possible, a product before the product is placed on the EU market.
Throughout this report a ☐ comma / ☒ point is understand the country in question.  2. The equipment complies with the National Standa 3. According to the EU directives which have been a manufacturer and importer's name and address shall on its packaging or in a document accompanying the Name and address of factory (ies)	used as the decimal separator.  FIECEE 02:  Ings Labels written in an Accepted or Official Language of and and/or Electrical Codes of the country in question.  Iligned with EU NLF (new legislative framework), both of the affixed on the product or, where that is not possible, a product before the product is placed on the EU market.

- The Clause 10.2 &10.4(Light radiation) was not valued in this report accord to requirement of manufacturer.







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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)

Example: +5 V dc input ES1

Source of electrical energy	Corresponding classification (ES)				
All internal circuits	AT ES1ek Anbotek Anbo				
DC input	ES1 A Sporek Antion A Street				

#### Electrically-caused fire (Clause 6):

(Note: List sub-assembly or circuit designation and corresponding energy source classification) Example: Battery pack (maximum 85 watts):

PS2

Source of power or PIS			Corresponding classification (PS)			
DC input	Aupo.	abotek Ar	PS2			
All Internal circuits	Aupor	bu. Potek	PS2			

#### 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.)

Example: Liquid in filled component Glycol

Source of hazardous substances			Corresponding chemical					
N/A	Aupon	Lotek	Anboter	N/A	abotek	Aupo.	V.	wotek.

#### 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)				
Rounded edges and corners of accessible parts	MS1				
Product mass < 7kg	MS1				

#### 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.)

Example: Hand-held scanner – thermoplastic enclosure TS1

Source of thermal energy				Corresponding classification (TS)					
Accessible parts	hotek	Anbore	Aug	TS1	abotek	Aupor	hotek	Anb	

#### Radiation (Clause 10)

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

Example: DVD – Class 1 Laser Product

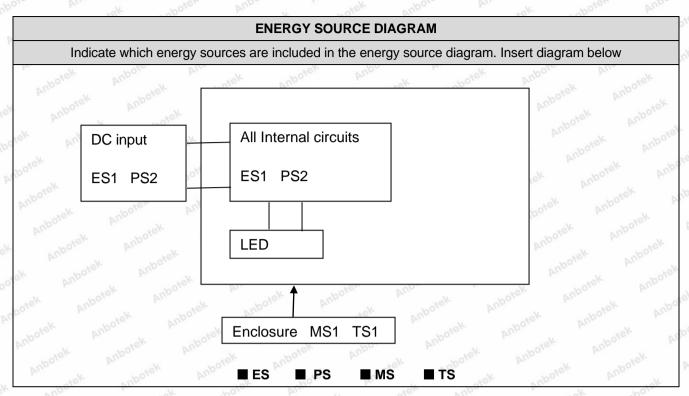
RS1

total and the second	Type of radiation	Anu			Correspondir	ng classification	on (RS)	
LED Anbore And N/A N/A Anbore Anbore	LED Anboten	Anbo	nbořek	Anbore	N/A	Anboten	Aup	anborel













OVERVIEW OF EMPLOYED SAFE	GUARDS			
Clause	Possible Hazard	anbotek	Anbors ak	hotek
5.1	Electrically-caused injury			
Body Part	Energy Source		Safeguards	
(e.g. Ordinary)	(ES3: Primary Filter circuit)	Basic	Supplementar y	Reinforce d (Enclosur e)
Ordinary person,	ES1: All Internal circuits	N/A	N/A	N/A
Instructed person,	ES1: DC input	by. Polek	Anboten A	no
Skilled person	ok hotek Anbore	Ann	anbotek	Anbo.
6.1	Electrically-caused fire			
Material part	Energy Source		Safeguards	
(e.g. mouse enclosure)	(PS2: 100 Watt circuit)	Basic	Supplementar y	Reinforce d
Internal combustible material/ internal plastic enclosure	PS2: All Internal circuits PS2: DC input  Injury caused by hazardous	For "N" and "A" conditions:  1, No ignition occurred.  2, No parts exceeding 90% of its spontaneou s ignition temperature.	For "S" condition:  1, PCB is complied with V-0 material.  2, All other components: at least V-2 except for mounted on min. V-1 material or small parts of combustible material.  3, Plastic enclosure at least V-0.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
Body Part	Energy Source		Safeguards	
(e.g., skilled)	(hazardous material)	Basic	Supplementar y	Reinforce d
N/A And and a shortex	N/A	N/A	N/A	N/A
8.1	Mechanically-caused injury		I All	
Body Part	Energy Source		Safeguards	
(e.g. Ordinary)	(MS3: High Pressure Lamp)	Basic	Supplementar y	Reinforce d (Enclosu e)
Ordinary person,	MS1: Rounded edges and corners of accessible parts	N/A	botek N/A Anbotek	N/A





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VII.						
Skilled person	botek	Aupo, K Polek	S.	pore Ame	rek anbore	k Pupo
Ordinary person, Instructed person, Skilled person	Anbotek Anbotek	MS1: Product mass	otek	Anbotek	Anborek Anb	N/A
9.1		Thermal Burn				
Body Part		Energy Source			Safeguards	
(e.g., Ordinary)		(TS2)		Basic	Supplementar y	Reinforce d
Ordinary person, Instructed person, Skilled person	Anbotek Anbotek	TS1: Accessible parts	ntek otek	N/A	Anbore N/A Anborek	N/A
10.1		Radiation				
Body Part		Energy Source			Safeguards	
(e.g., Ordinary)		(Output from audio por	rt)	Basic	Supplementar y	Reinforce d
Ordinary person, Instructed person, Skilled person	Anbotek Anbotek	LED level	lpotek tek	N/A Anhorek	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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po. Fek		IEC 62368-1		
Clause	Requi	rement + Test	Result - Remark	Verdict

4	GENERAL REQUIREMENTS		nbo'P'
4.1.1 Ambore	Acceptance of materials, components and subassemblies	abotek Anbotek Anbotek	Potek
4.1.2	Use of components	(See appended table 4.1.2)	Pupo
4.1.3	Equipment design and construction	Aupotek Aupo, tek upo,	ek P M
4.1.15	Markings and instructions	(See Annex F)	ootek P
4.4.4	Safeguard robustness	ek upotek Pupose Vr	<sub>vol</sub> P
4.4.4.2	Steady force tests	(See Annex T.4)	Prek
4.4.4.3	Drop tests	(See Annex T.7)	P.m.P
4.4.4.4	Impact tests:	Anborok Anborok	N/A
4.4.4.5	Internal accessible safeguard enclosure and barrier tests	No such enclosure and barrier	N/A
4.4.4.6	Glass Impact tests	No glass used	N/A
4.4.4.7	Thermoplastic material tests	(See Annex T.8)	Ando Pek
4.4.4.8	Air comprising a safeguard	Considered, but no such barrier or enclosure provided	N/A
4.4.4.9	Accessibility and safeguard effectiveness	All safeguards remain effective	r P <sub>ad</sub>
4.5	Explosion	botek Anbotes Anb	otek P
4.6	Fixing of conductors	k hotek Anboten Ani	P
4.6.1	Fix conductors not to defeat a safeguard	An Anbotek	iupe b
4.6.2	10 N force test applied to:	10 N force test applied to internal wires	Anbore
4.7	Equipment for direct insertion into mains socket - outlets	No such apparatus	N/A
4.7.2	Mains plug part complies with the relevant standard	Anbotek Anbotek Anb	N/A
4.7.3	Torque (Nm)	An hotek Anboten A	N/A
4.8	Products containing coin/button cell batteries	No coin/button cell batteries used	N/A
4.8.2	Instructional safeguard	hoote And otek Anbotek	N/A
4.8.3	Battery Compartment Construction	Anboren Anb	N/A
botek	Means to reduce the possibility of children removing the battery	Anbotek Anbo	_
4.8.4	Battery Compartment Mechanical Tests:	Anto stek anbotek A	N/A
4.8.5	Battery Accessibility	hen Aupon sek upotek	N/A
4.9	Likelihood of fire or shock due to entry of conductive object	(See Annex P)	An Pries





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0	o. k.	abotek	Anbore.	Androtek	IEC 62368-1	Anbo.	h. abotek	Aupole	K Ans
0.00	Clause	abotel	Requi	rement + Test	k Anbotek	Re	sult - Remark	Anbore	Verdict
	700,	1274	V 100	74	100	- 400,	224	V. sa	0, 0

- N	ELECTRICAL I VICALICED IN HIDV	A 1-040. P	Ur.
5	ELECTRICALLY-CAUSED INJURY	200	Anbo'P"
5.2.1 Market	Electrical energy source classifications:	(See appended table 5.2)	Potek
5.2.2	ES1, ES2 and ES3 limits	ntek Anbotek Anbo	P
5.2.2.2	Steady-state voltage and current:	(See appended table 5.2)	P
5.2.2.3	Capacitance limits:	Ando tek upotek Ando	N/A
5.2.2.4	Single pulse limits:	Anbo sek abotek Ar	N/A
5.2.2.5	Limits for repetitive pulses:	lek Aupo, ek Potek	N/A
5.2.2.6	Ringing signals:	botek Anbore And	N/A
5.2.2.7	Audio signals:	hotek Anbotes And	N/A
5.3	Protection against electrical energy sources	Anborek Anborek Anbo	N/A
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	Anbotek Anbotek Anbo	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	ek Anborek Anborek	N/A
5.3.2.2	Contact requirements	pore Anti-Otek Anbotek	N/A
AUDO	a) Test with test probe from Annex V:	Anbores Ans tek aborek	N/A
otek Ar	b) Electric strength test potential (V):	Anboten Anbo	N/A
nbotek	c) Air gap (mm):	Anbotek Anbo	N/A
5.3.2.4	Terminals for connecting stripped wire	k upotek Aupon	N/A
5.4	Insulation materials and requirements	sk botek Anbote	N/A
5.4.1.2	Properties of insulating material	ok hotek Anbote	N/A
5.4.1.3	Humidity conditioning:	unboth k wotek Ambotest	N/A
5.4.1.4	Maximum operating temperature for insulating materials	Anbotek Anbotek Anbote	N/A
5.4.1.5	Pollution degree:	k hotek Anbotes And	_
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	otek Anbotek Anbotek	N/A
5.4.1.5.3	Thermal cycling	botek Anbore Ant Stek	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	Anbotek Anbotek Anbot	N/A
5.4.1.8	Determination of working voltage	And otek Anbotek Anbr	N/A
5.4.1.9	Insulating surfaces	And rek abotek A	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	rotek Anbotek Anbotek	N/A
5.4.1.10.2	Vicat softening temperature:	stek anbotek Anbote	N/A
5.4.1.10.3	Ball pressure	Anbotek Anbotes	N/A





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Lotek .	IEC 62368-1	An Anboren Ann	
Clause	Requirement + Test	Result - Remark	Verdict
E 4 0 motek	Ola Allinana Anbor Anborek Anboree	And Anbotek Ar	/po,
5.4.2	Clearances	ter Ando	N/A
5.4.2.2	Determining clearance using peak working voltage	horek Ando tek morek	N/A
5.4.2.3	Determining clearance using required withstand voltage:	Anbotek Anbor Ar Anbotek	N/A
botek	a) a.c. mains transient voltage:	Aupotes, Yung, tek upo,	_
anbotek	b) d.c. mains transient voltage:	Anborek Anbor An	_
nbotek	c) external circuit transient voltage:	ek Anbotek Anbotek A	_
anbore	d) transient voltage determined by measurement:	tek anbotek Anbote	
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	Anbotek Anbotek Anbotek	N/A
5.4.2.5	Multiplication factors for clearances and test voltages:	Anbotek Anbotek Anbot	N/A
5.4.3	Creepage distances	And Stek Anbotek An	N/A
5.4.3.1	General	Anti-	N/A
5.4.3.3	Material Group:	Joseph Anber tek abosek	_
5.4.4	Solid insulation	Anbotek Anbo Lek Abotek	N/A
5.4.4.2	Minimum distance through insulation:	Anborek Anbor ak hote	N/A
5.4.4.3	Insulation compound forming solid insulation	abotek Anbote Am	N/A
5.4.4.4	Solid insulation in semiconductor devices	k shotek Anbote An	N/A
5.4.4.5	Cemented joints	ak hotek Anboren	N/A
5.4.4.6	Thin sheet material	ore Ans Anbotek	N/A
5.4.4.6.1	General requirements	inbotes. And otek Anbotek	N/A
5.4.4.6.2	Separable thin sheet material	Anbotek Anbo	N/A
upotek	Number of layers (pcs):	Anbotek Anbo sek ab	N/A
5.4.4.6.3	Non-separable thin sheet material	k Anbotek Anbo. A.	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material:	otek Anbotek Anbotek	N/A
5.4.4.6.5	Mandrel test	nbotek Anbo CK botek	N/A
5.4.4.7	Solid insulation in wound components	anbotek Anbote An hotek	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz:	abotek Anbore Ant	N/A
5.4.5	Antenna terminal insulation	No such terminal	N/A
5.4.5.1	General	ak hotek Anbotek Ar	N/A
5.4.5.2	Voltage surge test	And Andrek Anbotek	N/A
Anber	Insulation resistance (MΩ):	poter And tek abotek	
5.4.6	Insulation of internal wire as part of supplementary safeguard	Anbotek Anbotek Anbotek	N/A







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Hotel	IEC 62368-1	hotek Anbo	Joh Li
Clause	Requirement + Test	Result - Remark	Verdict
5.4.7	Tests for semiconductor components and for cemented joints	tek Anbotek Anbotek Al	N/A
5.4.8	Humidity conditioning	boise Amborek anborek	N/A
ler Vuo	Relative humidity (%):	Anbores Anborek	_
potek p	Temperature (°C)	Aupotes, Aupo, stek upo,	_
anbotek	Duration (h):	Anbotek Anbo An	_
5.4.9	Electric strength test:	ek Anbotek Anbot Al	N/A
5.4.9.1	Test procedure for a solid insulation type test	stek anbotek Anbote	N/A
5.4.9.2	Test procedure for routine tests	po. W. Spolek Auporp.	N/A
5.4.10	Protection against transient voltages between external circuit	No transient voltage from external circuit	N/A
5.4.10.1	Parts and circuits separated from external circuits	Vupotek Vupo, Vk	N/A
5.4.10.2	Test methods	ek upotek Anbore An	N/A
5.4.10.2.1	General	tek abotek Anbote	N/A
5.4.10.2.2	Impulse test	ook Anbotes	N/A
5.4.10.2.3	Steady-state test	Anbore Andrek Anborek	N/A
5.4.11	Insulation between external circuits and earthed circuitry	No such external circuit	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	k Anbotek Anboten Ant	N/A
5.4.11.2	Requirements	otek Anbore Ans otek	N/A
K Anbot	Rated operating voltage U <sub>op</sub> (V):	botek Anbotes And	_
otek An	Nominal voltage U <sub>peak</sub> (V)	hotek Anbotek Anbo	_
otek	Max increase due to variation U <sub>sp</sub> :	Anti-	_
up stek	Max increase due to ageing ΔUsa:	Aribi	_
Anbo	$U_{op} = U_{peak} + \Delta U_{sp} + \Delta U_{sa}$	And stek anbotek	
5.5	Components as safeguards	otek Anbo sek anbotek	Aupo.
5.5.1	General	hotel Anka lek botek	N/A
5.5.2	Capacitors and RC units	Aupotek Aupote Au	N/A
5.5.2.1	General requirement	upotek Aupotes Pun	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector:	Aupotek Aupotek Au	N/A
5.5.3	Transformers	Jek Aupon Wy	N/A
5.5.4 M	Optocouplers	botek Anbote. And	N/A
5.5.5	Relays	sbortek Anboren Anb	N/A
5.5.6	Resistors	An tek abovek Anbo	N/A







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hotek.	IEC 62368-1	Motek Anboter And	, Ja
Clause	Requirement + Test	Result - Remark	Verdict
5.5.7	SPD's	tek anbotek Anbotek Ar	N/A
5.5.7.1	Use of an SPD connected to reliable earthing	ctek Vupotek Vupote	N/A
5.5.7.2	Use of an SPD between mains and protective earth	Anbotek Anbotek Anbotek	N/A
5.5.8	Insulation between the mains and external circuit consisting of a coaxial cable:	Anborek Anborek Anbor	N/A
5.6	Protective conductor	k hotek Anbotek An	N/A
5.6.2	Requirement for protective conductors	Class III equipment	N/A
5.6.2.1	General requirements	botek Anbo	N/A
5.6.2.2	Colour of insulation	Anbotek Anbo Lek stotek	N/A
5.6.3	Requirement for protective earthing conductors	Aupotek Aupon Av Mot	N/A
abotek	Protective earthing conductor size (mm²)	abotek Anbote Am	_
5.6.4	Requirement for protective bonding conductors	k hotek Anbores Ant	N/A
5.6.4.1	Protective bonding conductors	k hotek Anbotes	N/A
Auga	Protective bonding conductor size (mm²)	Doign William Office Vulpotek	
5.6.4.2	Protective current rating (A):	Anborek Anbo	
5.6.4.3	Current limiting and overcurrent protective devices	Anborek Anborek Anbore	N/A
5.6.5	Terminals for protective conductors	k hotek Anbotek Ant	N/A
5.6.5.1	Requirement	Ant stek anboten	N/A
Anbo	Conductor size (mm²), nominal thread diameter (mm).	otek Anbotek Anbotek	N/A
5.6.5.2	Corrosion	Motek Anboten And	N/A
5.6.6	Resistance of the protective system	And Anbotek Anbo	N/A
5.6.6.1	Requirements	And atek Anbotek Anb	N/A
5.6.6.2	Test Method Resistance (Ω)	Anbo rek nbotek A	N/A
5.6.7	Reliable earthing	otek Anbe	N/A
5.7 Ambox	Prospective touch voltage, touch current and prote	ctive conductor current	N/A
5.7.2	Measuring devices and networks	anborek Anbore Ani	N/A
5.7.2.1	Measurement of touch current	botek Anbore And	N/A
5.7.2.2	Measurement of prospective touch voltage	Anbotes Anbotes Anb	N/A
5.7.3	Equipment set-up, supply connections and earth connections	tek Anbotek Anbotek Ar	N/A
ak Anbore	System of interconnected equipment (separate connections/single connection)	botek Aupoles Aupolek	_
Fire Vive	Multiple connections to mains (one connection at a time/simultaneous connections)	Anborek Anbotek Anbotek	_







FO. 10	Page 16 of 64	Report No. 18220WC3	0025302S
	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Vupo,	work anborer And tek sporter	Auto, k rotek at	pot
5.7.4	Earthed conductive accessible parts	tek Anbote, Ann stek	N/A
5.7.5 Ambote	Protective conductor current	notek Anbotek Anbo	N/A
ek anb	Supply Voltage (V)	notek Anbotek Anbo	_
rek .	Measured current (mA)	And otek Anbotek Anbot	
, ek	Instructional Safeguard	Anti-	N/A
5.7.6	Prospective touch voltage and touch current due to external circuits	ek Anbotek Anbotek An	N/A
5.7.6.1	Touch current from coaxial cables	stek supotek Aupo.	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	No such external circuits	N/A
Anbotek	a) Equipment with earthed external circuits Measured current (mA)	ok Anbotek Anbotek An	N/A
Anbotek	b) Equipment whose external circuits are not referenced to earth. Measured current (mA):	potek Anbotek Anbotek	N/A

6	ELECTRICALLY- CAUSED FIRE		K Panbo
6.2	Classification of power sources (PS) and potential ig	gnition sources (PIS)	otek P AT
6.2.2	Power source circuit classifications	ok upotek Anbon ok An	hotelP
6.2.2.1	General	tek nbotek Anbote	PL-
6.2.2.2	Power measurement for worst-case load fault:	o ak abotek Anbote	N/A
6.2.2.3	Power measurement for worst-case power source fault:	Anbotek Anbotek Anbotek	N/A
6.2.2.4	PS1	nbotek Anbolt Am	N/A And
6.2.2.5	PS2:	(See appended table 6.2.2)	oteVP
6.2.2.6	PS3	ok hotek Anbote	N/A
6.2.3	Classification of potential ignition sources	Sole Am Lotek Anboten	Anbo P POK
6.2.3.1	Arcing PIS:	inbole Amb Stek Anbotek	N/A
6.2.3.2	Resistive PIS:	Amborell Ant. tek mborel	Pupos
6.3	Safeguards against fire under normal operating and	l abnormal operating conditions	rek P Anb
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 5.4.1.4, 6.3.2, 9.0, B.2.6)	,botek P
6.3.1 (b)	Combustible materials outside fire enclosure	hotek Anbotek Anbo	N/A
6.4	Safeguards against fire under single fault conditions	antotek Anbotek Anbo	Photel







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oboter	up ok zolek tupo, bi.	anbote. And	Jok D
Clause	Requirement + Test	Result - Remark	Verdict
6.4.1	Safeguard Method	Method of Reduction of the likelihood of ignition under single fault conditions and control fire spread used	Anbotek Anbotek
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	Anbotek Anbotek Anbotek	N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	Anbotek Anbotek Ar	potek P
6.4.3.1	General	ek Aubo	Anbors P
6.4.3.2	Supplementary Safeguards	potek Anbor ak spotek	An Pres
rek Aupo	Special conditions if conductors on printed boards are opened or peeled	Anbotek Anbotek Anbotek	N/A
6.4.3.3	Single Fault Conditions:	Aupo sek sopotek Aupo	N/A
Aupo.	Special conditions for temperature limited by fuse	Anbo ek Abotek An	N/A
6.4.4	Control of fire spread in PS1 circuits	sk Vupor Vr. Potek	N/A
6.4.5 Model	Control of fire spread in PS2 circuits	potek Anbore Anti-	anb Piek
6.4.5.2 <sub>[M</sub> 00]	Supplementary safeguards:	PCB: V-0	Phot
6.4.6	Control of fire spread in PS3 circuit	And Anboten Anbo	N/A
6.4.7	Separation of combustible materials from a PIS	And Anbotek Anbo	N/A
6.4.7.1	General:	Ann stek anbotek Ant	N/A
6.4.7.2	Separation by distance	the August Thotak	N/A
6.4.7.3	Separation by a fire barrier	otek Anbo. Ak abotek	N/A
6.4.8 Market	Fire enclosures and fire barriers	upotek Auport All botek	A.Roote
6.4.8.1	Fire enclosure and fire barrier material properties	abotek Anbote Ant	P <sub>ant</sub>
6.4.8.2.1	Requirements for a fire barrier	No such barrier used.	N/A
6.4.8.2.2	Requirements for a fire enclosure	& hotek Anbotek Anb	P
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	otek Anbotek Anbotek	N/A
6.4.8.3.1	Fire enclosure and fire barrier openings	No openings on the fire enclosure.	N/A
6.4.8.3.2	Fire barrier dimensions	Motek Anboten Anbo	N/A
6.4.8.3.3	Top Openings in Fire Enclosure: dimensions (mm)	Anbotek Anbotek Anbo	N/A
Anboren	Needle Flame test	Anboten Anbo	N/A
6.4.8.3.4	Bottom Openings in Fire Enclosure, condition met a), b) and/or c) dimensions (mm)	tek Anbotek Anbotek	N/A
ek Anb	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 Anbo	N/A







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Clause	Requirement + Test	Result - Remark	Verdict
Anbo.	week anbote. Amb	Ando k kotek of	por
6.4.8.4	Separation of PIS from fire enclosure and fire barrier distance (mm) or flammability rating:	V-0 plastic enclosure is used.	Anbo'Pk
6.5	Internal and external wiring	nbote Anbotek Anbotek	AMP
6.5.1	Requirements	Anbores Anto stek Anborek	Bupor
6.5.2	Cross-sectional area (mm²)	(See appended table 4.1.2)	_
6.5.3	Requirements for interconnection to building wiring	Anbotek Anbotek An	N/A
6.6	Safeguards against fire due to connection to additional equipment	botek Anbotek Anbotek	N/A
ek Aup	External port limited to PS2 or complies with Clause Q.1	Anbotek Anbotek Anbotek	N/A

7	INJURY CAUSED BY HAZARDOUS SUBSTANC	CES	N/A
7.2	Reduction of exposure to hazardous substances	No such hazardous substances	N/A
7.3 Anbot	Ozone exposure	No ozone production	N/A
7.4	Use of personal safeguards (PPE)	botek Anbores Ans	N/A
otek	Personal safeguards and instructions:	hotek Anbore And	_
7.5	Use of instructional safeguards and instructions	And Anborek Anborek	N/A
Aug	Instructional safeguard (ISO 7010)	Anbotek Anbotek An	
7.6	Batteries:	And stek anbotek	N/A

8	MECHANICALLY-CAUSED INJURY		<b>₽P</b> Doro
8.1	General	Anbotek Anbo ek shotel	PAnbon
8.2	Mechanical energy source classifications	anbotek Anbol ak All	stek P Ant
8.3	Safeguards against mechanical energy sources	k abotek Anbore An	N/A
8.4	Safeguards against parts with sharp edges and corners	otek Anbotek Anbotek	N/A
8.4.1	Safeguards	MS1 classification	N/A
8.5	Safeguards against moving parts	nbotek Anbote An botek	N/A
8.5.1	MS2 or MS3 part required to be accessible for the function of the equipment	Anbotek Anbotek Anbo	N/A
8.5.2	Instructional Safeguard:	Anbor ok hotek Ar	_
8.5.4	Special categories of equipment comprising moving parts	tek Auponek Wipotek	N/A
8.5.4.1	Large data storage equipment	ibo kak abotek Anbote	N/A
8.5.4.2	Equipment having electromechanical device for destruction of media	Anbotek Anbotek Anbotek	N/A



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Clause	Requirement + Test	Result - Remark	Verdict
Clause	Requirement + Test	Result - Remark	verdict
8.5.4.2.1	Safeguards and Safety Interlocks	stek anbotek Anbone Al	N/A
8.5.4.2.2	Instructional safeguards against moving parts	otek Anbotek Anbote	N/A
ek onb	Instructional Safeguard:	his otek unbotek Anbord	_
8.5.4.2.3	Disconnection from the supply	Anbo tek Anborek Anbore	N/A
8.5.4.2.4	Probe type and force (N):	Anborek Anborek Anbo	N/A
8.5.5	High Pressure Lamps	Anboutek Ar	N/A
8.5.5.1	Energy Source Classification	Jek Anbe	N/A
8.5.5.2	High Pressure Lamp Explosion Test	botek Anbo ek abotek	N/A
8.6	Stability	Mass < 7kg	N/A
8.6.1	Product classification	MS1	N/A
abotek	Instructional Safeguard:	anbotek Anbote An-	_
8.6.2	Static stability	ok abotek Anbore An	N/A
8.6.2.2	Static stability test	ek botek Anboten	N/A
K No	Applied Force	both Anbotek Anbotek	_
8.6.2.3	Downward Force Test	Anbore Amborek Anborek	N/A
8.6.3	Relocation stability test	Anbore And	N/A
inpoter	Unit configuration during 10° tilt:	Anbore" And otek Ant	_
8.6.4	Glass slide test	ek Anbotek Anbotek	N/A
8.6.5	Horizontal force test (Applied Force)	Jotek Anboten Anbo	N/A
Anbo	Position of feet or movable parts	hotek Anbotek Anbo	_
8.7	Equipment mounted to wall or ceiling	Anbotek Anbotek Anbo	N/A
8.7.1	Mounting Means (Length of screws (mm) and mounting surface)	Anbotek Anbotek Anbo	N/A
8.7.2	Direction and applied force	anboten Anbo	N/A
8.8 Mootel	Handles strength	stek snbotek Anbo.	N/A
8.8.1	Classification	stek anbotek Anbors	N/A
8.8.2	Applied Force	Anbore Anborek Anbore	N/A
8.9	Wheels or casters attachment requirements	Aupo, W. Potek Vupoter	N/A
3.9.1	Classification	Anbore All hotek Anbo	N/A
8.9.2	Applied force	Anbore Ant work Ar	
8.10	Carts, stands and similar carriers	otek Anbote Ann otek	N/A
8.10.1	General	botek Anboten Anbo	N/A
8.10.2	Marking and instructions	atek anbo	N/A







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Ye. Mar	IEC 62368-1	Report No. 18220WC3	
Clause	Requirement + Test	Result - Remark	Verdict
Vupo,	notek anbotel And note abotel	Augo, A motek Mr	pore
8.10.3	Cart, stand or carrier loading test and compliance	tek Anbote Anu stek	N/A
Anbore	Applied force	hotek Anboten Anbo	_
3.10.4	Cart, stand or carrier impact test	notek Anbotek Anbo	N/A
8.10.5	Mechanical stability	Anbotek Anbotek Anbo	N/A
otek	Applied horizontal force (N):	And otek Anbotek Anbo	_
3.10.6	Thermoplastic temperature stability (°C)	And stek Anbotek Ar	N/A
3.11	Mounting means for rack mounted equipment	lek Anbo	N/A
3.11.1	General	potek Anbo	N/A
3.11.2	Product Classification	upotek Aupo, Ar. potek	N/A
3.11.3	Mechanical strength test, variable N	abotek Anbore All	N/A
3.11.4	Mechanical strength test 250N, including end stops	abotek Anbote And	N/A
3.12	Telescoping or rod antennas	ok hotek Anboten An	N/A
Vier Olek	Button/Ball diameter (mm)	Animotek Anbotek	

9	THERMAL BURN INJURY	\ <b>P</b> <sub>poo</sub> ,
9.2	Thermal energy source classifications TS1: accessible parts	ek Panbo
9.3	Safeguard against thermal energy sources	otek P An
9.4	Requirements for safeguards	wote/P
9.4.1	Equipment safeguard	Pek
9.4.2	Instructional safeguard:	N/A

10	RADIATION		N/A
10.2	Radiation energy source classification	Anbore Ann stek anb	N/A
10.2.1	General classification	Anbotek Anbo tek	N/A
10.3	Protection against laser radiation	anbotek Anbo. ek	N/A
k anboth	Laser radiation that exists in the equipment:	tek Anbotek Anbo	_
10× 101	Normal, abnormal, single-fault:	rek nbotek Anbors	N/A
o. A.	Instructional safeguard:	nbotek Anbotek Anbote	_
'upor	Tool:	Anbor Ak Abotek Anbo	_
10.4	Protection against visible, infrared, and UV radiation	Anbotek Anbotek A	N/A
10.4.1	General	ek nbotek Anbote	N/A
10.4.1.a)	RS3 for Ordinary and instructed persons:	ak botek Anbote	N/A
10.4.1.b)	RS3 accessible to a skilled person	por An Potek Vupoter	N/A
hore	Personal safeguard (PPE) instructional	Anbore And arek anbo	_





	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
VUPO.	West Wipoles Will The Polis	Antonia Ali	poter
Anbore	safeguard	lek Aupore And	DATE
0.4.1.c)	Equipment visible, IR, UV does not exceed RS1.:	potek Anboter Anb	N/A
0.4.1.d)	Normal, abnormal, single-fault conditions:	notek popotek Anbo	N/A
0.4.1.e)	Enclosure material employed as safeguard is opaque:	Aupotek Aupotek Vupo,	N/A
0.4.1.f)	UV attenuation:	Anborek Anbor Ar.	N/A
0.4.1.g)	Materials resistant to degradation UV	ek abotek Anbote At	N/A
0.4.1.h)	Enclosure containment of optical radiation:	ok hotek Anbote	N/A
0.4.1.i)	Exempt Group under normal operating conditions:	potek Anbotek Anbotek	N/A
0.4.2	Instructional safeguard:	hotek Anbote And	N/A
0.5	Protection against x-radiation	Anbores Anbores	N/A
0.5.1	X- radiation energy source that exists equipment:	Art otek Anbotek An	N/A
And	Normal, abnormal, single fault conditions	And tek anbotek	N/A
Vupo,	Equipment safeguards:	potek Anba	N/A
Anbo	Instructional safeguard for skilled person:	anbotek Anbort All hotek	N/A
0.5.3	Most unfavourable supply voltage to give maximum radiation:	Anbotek Anbotek Anbote	_
100.	Abnormal and single-fault condition	Anbe Lek storek Ant	N/A
Anbore	Maximum radiation (pA/kg)	Aubo ak hotek	N/A
0.6	Protection against acoustic energy sources	otek Anbor An Motek	N/A
0.6.1	General	shotek Anbore Anti-	N/A
0.6.2	Classification	hotek Anbotes Ans	N/A
otek	Acoustic output, dB(A)	Anborek Anborek Anbo	N/A
nek.	Output voltage, unweighted r.m.s:	Ann otek Anbotek Anb	N/A
0.6.4	Protection of persons	And tek upotek p	N/A
Aupo	Instructional safeguards	stek Anbo	N/A
anbo.	Equipment safeguard prevent ordinary person to RS2:	Thotek Anbotek Anbotek	_
otek F	Means to actively inform user of increase sound pressure:	Anbotek Anbotek Anbot	_
unbotek wotek	Equipment safeguard prevent ordinary person to RS2	Anborek Anberek Ar	_
0.6.5	Requirements for listening devices (headphones, earphones, etc.)	hotek Anbotek Anbotek	N/A
0.6.5.1	Corded passive listening devices with analog input	notek Anbotek Anbo	N/A

### **Shenzhen Anbotek Compliance Laboratory Limited**





Input voltage with 94 dB(A) L<sub>Aeq</sub> acoustic



rok bu	Page 22 of 64 IEC 62368-1	Report No. 18220WC300253028
Clause	Requirement + Test	Result - Remark Verdict
Aupo,	notek anbote And sek abotet	Anboys A motek anboys
Anboten	pressure output:	rek Anbotes And
10.6.5.2	Corded listening devices with digital input	N/A
dr. As	Maximum dB(A):	tek abotek Anbote
10.6.5.3	Cordless listening device	N/A
)O	Maximum dB(A):	Pupo, TK Polek Pupo —

В	NORMAL OPERATING CONDITION TESTS, ABI CONDITION TESTS AND SINGLE FAULT COND		Anbot Pr
B.2	Normal Operating Conditions	po, W. Potek Vupoje.	Anbo
B.2.1	General requirements:	(See summary of testing & appended test tables)	P <sup>nb</sup>
Anbotek	Audio Amplifiers and equipment with audio amplifiers:	Anbotek Anbotek An	N/A
B.2.3	Supply voltage and tolerances	(See appended table B.2.5)	Anboten P
B.2.5	Input test	(See appended table B.2.5)	anbPiek
B.3 Anbo	Simulated abnormal operating conditions	botek Anbotes And Stek	N/A
B.3.1	General requirements:	Anbotek Anbotek Anbo	N/A
B.3.2	Covering of ventilation openings	And Anbotek Anbo	N/A
B.3.3	D.C. mains polarity test	Anti tek anbotek Ant	N/A
B.3.4	Setting of voltage selector:	Anbo tek	N/A
B.3.5	Maximum load at output terminals:	otek Anbo	N/A
B.3.6	Reverse battery polarity	nbotek Anbot At hotek	N/A
B.3.7	Abnormal operating conditions as specified in Clause E.2.	Anbotek Anbotek Anbote	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions	Anbotek Anbotek Anb	N/A
B.4	Simulated single fault conditions	tek abotek Anbote	PK.
B.4.2	Temperature controlling device open or short-circuited:	hbotek Anbotek Anbotek	N/A
B.4.3	Motor tests	unboten Anbounk botel	N/A
B.4.3.1	Motor blocked or rotor locked increasing the internal ambient temperature:	Anbotek Anbotek Anb	N/A
B.4.4	Short circuit of functional insulation	Anbo sek abotek A	nbore P
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.4)	Anboie
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	Ar P tek
B.4.4.3	Short circuit of functional insulation on coated printed boards	Amborek Amborek Ambore	N/A
	W	160	







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Fage 23 01 04		Nepolitivo. 10220VVC	000200020
	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Aupo,	and tek anbotes and tek abote	Anbor L wotek Al	pote, P
B.4.5	Short circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.4)	Anbo'Pk
B.4.6	Short circuit or disconnect of passive components	(See appended table B.4)	AMP
B.4.7	Continuous operation of components	Anbote Ann otek Anbotek	N/A
B.4.8	Class 1 and Class 2 energy sources within limits during and after single fault conditions	Anborek Anborek Anbor	ek P Anbr
B.4.9	Battery charging under single fault conditions:	An otek Anboten An	N/A

С	UV RADIATION		N/A
C.1	Protection of materials in equipment from UV radiation	No UV radiation within the EUT.	N/A
C.1.2	Requirements	Anbotek Anbotek	N/A
C.1.3	Test method	Anbo sek abotek Ani	N/A
C.2	UV light conditioning test	3k Anbo. Ok Motek	N/A
C.2.1	Test apparatus	potek Anbor Ar hotek	N/A
C.2.2	Mounting of test samples	shotek Anbore Amb	N/A
C.2.3	Carbon-arc light-exposure apparatus	hotek Anboter Anto	N/A
C.2.4	Xenon-arc light exposure apparatus	Ambotek Anbotek Anbo	N/A

D	TEST GENERATORS	N/A
D.1 Anbore	Impulse test generators	N/A
D.2 Ambo	Antenna interface test generator	N/A
D.3	Electronic pulse generator	N/A

E	TEST CONDITIONS FOR EQUIPMENT CONTAINING AUDIO AMPLIFIERS		N/A
EW, rek	Audio amplifier normal operating conditions	(See appended table B.2.5)	N/A
Vupo.	Audio signal voltage (V)	stek Anbourek	_
Aupon	Rated load impedance (Ω):	hotek Anbore Andrek	
E.2	Audio amplifier abnormal operating conditions	anbotek Anbote Amb hotel	N/A

F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND INSTRUCTIONAL SAFEGUARDS	
F.1	General requirements	P
Piur	Instructions – Language English checked	otek
F.2	Letter symbols and graphical symbols	mbotek Anp
F.2.1	Letter symbols according to IEC60027-1	abotek Pabote



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ek k	IEC 62368-1	Anborek Anborek Anbore	Y Ann
Clause	Requirement + Test	Result - Remark	Verdict
F.2.2	Graphic symbols IEC, ISO or manufacturer specific	tek Anbotek Anbotek	Anbo Pk
F.3	Equipment markings	inboten Anti-otek Anbotek	PL/B
F.3.1	Equipment marking locations	Located on the external enclosure surface	P. Ibo
F.3.2	Equipment identification markings	Anbotek Anbotek Anbo	P
F.3.2.1	Manufacturer identification	See label	_
F.3.2.2	Model identification:	And stek anbotek	_
F.3.3	Equipment rating markings	Provided.	MUB.
F.3.3.1	Equipment with direct connection to mains	anbotel Anbo	N/A
F.3.3.2	Equipment without direct connection to mains	Anbotek Anbote All	ek P Anb
F.3.3.3	Nature of supply voltage	See label	_
F.3.3.4	Rated voltage	See label	_
F.3.3.5	Rated frequency:	ok potek Anboten	_
F.3.3.6	Rated current or rated power:	See label	_
F.3.3.7	Equipment with multiple supply connections	Anbotes K Anbotek	N/A
F.3.4	Voltage setting device	Anbore Antonia Anbor	N/A
F.3.5	Terminals and operating devices	Anbores Anbo	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings:	k Anbotek Anbotek	N/A
F.3.5.2	Switch position identification marking:	of Ambotek Anbotek	N/A
F.3.5.3	Replacement fuse identification and rating markings:	Inbotek Ambotek Ambotek	N/A
F.3.5.4	Replacement battery identification marking:	botek Anbote And	N/A
F.3.5.5	Terminal marking location	k hotek Anboten Anb	N/A
F.3.6	Equipment markings related to equipment classification	otek Anbotek Anbotek	N/A
F.3.6.1	Class I Equipment	hotek Anboten And Stek	N/A
F.3.6.1.1	Protective earthing conductor terminal	motek Anbotek Anbo	N/A
F.3.6.1.2	Neutral conductor terminal	And Otek Anbotek Anbot	N/A
F.3.6.1.3	Protective bonding conductor terminals	Anbo tek anbotek Anbo	N/A
F.3.6.2	Class II equipment (IEC60417-5172)	Anbo sek spotek A	N/A
F.3.6.2.1	Class II equipment with or without functional earth	tek Vupo, Vy	N/A
F.3.6.2.2	Class II equipment with functional earth terminal marking	botek Anbotek Anbotek	N/A
F.3.7	Equipment IP rating marking	IPX0	_
F.3.8	External power supply output marking	Anboy Art Napo	N/A







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Pag.	Page 25 of 64 IEC 62368-1	Report No. 18220WC3	00233020
Clause	Requirement + Test	Result - Remark	Verdict
Aupo,	notek Anbotel And tek potel	Anba k Lotek Ar	/pot
F.3.9	Durability, legibility and permanence of marking	tek Anbotes And	anbo'Pk
F.3.10	Test for permanence of markings	untek anbotek Anbo	Potek
.4 <sub>anb</sub>	Instructions	ntek onbotek Anbore	P
otek p	a) Equipment for use in locations where children not likely to be present - marking	Anbotek Anbotek Anbot	N/A
Anbotek	b) Instructions given for installation or initial use	Anbotell Anbo	ootek P
nbotek	c) Equipment intended to be fastened in place	ek upotek Anbour	N/A
Anbotel	d) Equipment intended for use only in restricted access area	Not used in restricted access area.	N/A
otek Vup.	e) Audio equipment terminals classified as ES3 and other equipment with terminals marked in accordance F.3.6.1	Anbotek Anbotek Anbotek	N/A
inpoter	f) Protective earthing employed as safeguard	Anboren Anb	N/A
Anbotek	g) Protective earthing conductor current exceeding ES2 limits	ek Anbotek Anbotek	N/A
VUP	h) Symbols used on equipment	pore And tek abotek	Pupb.
atek Anbe	i) Permanently connected equipment not provided with all-pole mains switch	Anbotek Anbotek Anbotek	N/A
nbotek	j) Replaceable components or modules providing safeguard function	Anbotek Anbotek Anbe	N/A
5 <sub>hb</sub> otell	Instructional safeguards	k Aupotes Aupo	N/A
Anbotek	Where "instructional safeguard" is referenced in the test report it specifies the required elements, location of marking and/or instruction	otek Anbotek Anbotek	N/A

G	COMPONENTS		P
G.1	Switches	Anb	N/A
G.1.1	General requirements	Anbo. ak hotek	N/A
G.1.2	Ratings, endurance, spacing, maximum load	otek Anbolis An botek	N/A
G.2 Anbott	Relays	shotek Anbore Amb	N/A
G.2.1	General requirements	hotek Anbotes Anti-	N/A
G.2.2	Overload test	Anborek Anborek Anbo	N/A
G.2.3	Relay controlling connectors supply power	Anti-	N/A
G.2.4	Mains relay, modified as stated in G.2	And tek anbotek Ar	N/A
G.3	Protection Devices	otek Anbo	N/A
G.3.1	Thermal cut-offs	No thermal cut-off used.	N/A
G.3.1.1a) &b)	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	Anbotek Anbotek Anbotek	N/A





Hotline o



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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
G.3.1.1c)	Thermal cut-outs tested as part of the equipment as indicated in c)	tek Aupotek Aupotek Ar	N/A
G.3.1.2	Thermal cut-off connections maintained and secure	abotek Anbotek Anbotek	N/A
G.3.2	Thermal links	hotek Anbotes And	N/A
G.3.2.1a)	Thermal links separately tested with IEC 60691	No thermal link used.	N/A
G.3.2.1b)	Thermal links tested as part of the equipment	An wotek Anbotek An	N/A
And	Aging hours (H):	And Stek Anbotek	_
AUGO	Single Fault Condition	botel Anti-	_
Pupe.	Test Voltage (V) and Insulation Resistance ( $\Omega$ ). :	Anbotek Anbo tek abotek	_
G.3.3	PTC Thermistors	Anbotek Anbos Anbos Ans	N/A
G.3.4	Overcurrent protection devices	upotek Anbore An	N/A
G.3.5	Safeguards components not mentioned in G.3.1 to	G.3.5	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	potek Anbotek Anbotek	N/A
G.3.5.2	Single faults conditions	upotek Anbou ak hotek	N/A
G.4	Connectors	nbotek Anbote Am	N/A
G.4.1	Spacings	Not directly connected to mains	N/A
G.4.2	Mains connector configuration:	k hotek Anboten Ant	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	otek Anbotek Anbotek	N/A
G.5 Anbor	Wound Components	botek Anbote And	N/A
G.5.1	Wire insulation in wound components:	hotek Anbotek Anbo	N/A
G.5.1.2 a)	Two wires in contact inside wound component, angle between 45° and 90°	Anbotek Anbotek Anbo	N/A
G.5.1.2 b)	Construction subject to routine testing	Anboren And otek	N/A
G.5.2	Endurance test on wound components	otek Anbotek Anbo	N/A
G.5.2.1	General test requirements	otek Anbotek Anbo.	N/A
G.5.2.2	Heat run test	nb stek anbotek Anbor	N/A
*ek	Time (s):	Anbotek Anbotek Anbote	_
/po.	Temperature (°C):	Anbo, Anbotek Anbo	_
G.5.2.3	Wound Components supplied by mains	Aupon An Potek M	N/A
G.5.3	Transformers	otek Aupore Ann Totek	N/A
G.5.3.1	Requirements applied (IEC61204-7, IEC61558-1/-2, and/or IEC62368-1)	botek Anbotek Anbotek	N/A
- Bus	Position:	Pupor W Work Work	_
porto P	Method of protection:	Vupote Vu	





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hosek	IEC 62368-1	botek Anbore Ans	40/
Clause	Requirement + Test	Result - Remark	Verdict
G.5.3.2	Insulation	tek vupotek Vupotek Vi	N/A
h. abore	Protection from displacement of windings:	stek supotek Aupote	
G.5.3.3	Overload test	hor Anbotek Anbotek	N/A
G.5.3.3.1	Test conditions	Aupole All Polsk Aupoles	N/A
G.5.3.3.2	Winding Temperatures testing in the unit	Vidose Videk Videk Vide	N/A
G.5.3.3.3	Winding Temperatures - Alternative test method	Anbore An hotek Ar	N/A
G.5.4	Motors	stek Anbotek Anb	N/A
G.5.4.1	General requirements	botek Anboten Anto	N/A
k Anbo	Position	Potek Aupotes Aupo	
G.5.4.2	Test conditions	Anbotek Anbotek Anbo.	N/A
G.5.4.3	Running overload test	Anna stek Anbotek Anbo	N/A
G.5.4.4	Locked-rotor overload test	Anbotek An	N/A
Yupo,	Test duration (days):	Anther abovek	
G.5.4.5	Running overload test for d.c. motors in secondary circuits	otek Anbotek Anbotek	N/A
G.5.4.5.2	Tested in the unit	Aribo tek Anbotek Anbote	N/A
*ek	Electric strength test (V)	And sek anbotek Anbot	_
G.5.4.5.3	Tested on the Bench - Alternative test method; test time (h)	k Anbotek Anbotek Ant	N/A
anbotek	Electric strength test (V)	otek unbotek Anbor	_
G.5.4.6	Locked-rotor overload test for d.c. motors in secondary circuits	Anbotek Anbotek	N/A
G.5.4.6.2	Tested in the unit	Anbotek Anbotek abote	N/A
potek	Maximum Temperature:	See table B.4	N/A
nborek	Electric strength test (V)	ak anbotek Anbott	N/A
G.5.4.6.3	Tested on the bench - Alternative test method; test time (h)	otek Anbotek Anbotek	N/A
Pupor	Electric strength test (V)	nbotek Anbo ak botek	N/A
G.5.4.7	Motors with capacitors	anbotek Anbot ak hotek	N/A
G.5.4.8	Three-phase motors	abotek Anbote Am	√ N/A
G.5.4.9	Series motors	botek Anbote And	N/A
Di.	Operating voltage	ak hotek Anboten Af	_
G.6	Wire Insulation	ore Anadrek Anbotek	N/A
G.6.1	General	hoose And atek anbosek	N/A
G.6.2	Solvent-based enamel wiring insulation	Anboten Anb	N/A
G.7	Mains supply cords	anboa Anton	N/A







Floudet	Page 28	of 64 Report No. 18220WC30025302S
	IEC 623	368-1
Clause	Requirement + Test	Result - Remark Verdict
Vupo.	work Anbores And	abotel Anbotel Anbotel
G.7.1	General requirements	Not directly connected to mains N/A
- 10	21 - 100 K	View VPO

Oladoc	rtoquiloment i rest	ofen And	-eX-
AUD	totek Aupoli Ali tek apole	And Andrew Ar	por
G.7.1	General requirements	Not directly connected to mains	N/A
Anbore	Type:	botek Anbotet And	_
rek Anbo	Rated current (A)	notek Anbotek Anbo	_
otek or	Cross-sectional area (mm²), (AWG):	And Anbotek Anbo	_
G.7.2	Compliance and test method	Anto stek Anborek Anbo	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	ek Anbotek Anbotek An	N/A
G.7.3.2	Cord strain relief	otek Anbotek Anbo	N/A
G.7.3.2.1	Requirements	tek Anbotek Anbot	N/A
10K	Strain relief test force (N)	Anbotek Anbotek	_
G.7.3.2.2	Strain relief mechanism failure	Anbo	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	Anbor ok hotek Ant	_
G.7.3.2.4	Strain relief comprised of polymeric material	hek Anbolt K hotek	N/A
G.7.4	Cord Entry	botek Anbore Anii	N/A
G.7.5	Non-detachable cord bend protection	hotek Anbotel And	N/A
G.7.5.1	Requirements	Anbotek Anbotek Anbe	N/A
G.7.5.2	Mass (g):	And Anbotek Anbotek	_
Tupe of ek	Diameter (m)	Ann stek Anbotek Ant	_
Anb	Temperature (°C)	And stek anbotek	
G.7.6	Supply wiring space	hotek Anb	N/A
G.7.6.2	Stranded wire	inbotek Anbe sek stotek	N/A
G.7.6.2.1	Test with 8 mm strand	Anbotek Anbo. ak hotel	N/A
G.8	Varistors	nbotek Anbor An	N/A
G.8.1	General requirements	No varistors used.	N/A
G.8.2	Safeguard against shock	ok hotek Anbotes a	N/A
G.8.3	Safeguard against fire	port An wotek Anborek	N/A
G.8.3.2	Varistor overload test:	upote Ann otek Anbotek	N/A
G.8.3.3	Temporary overvoltage:	Anboten Anb	N/A
G.9	Integrated Circuit (IC) Current Limiters	Anbotek Anbo sek abo	N/A M
G.9.1 a)	Manufacturer defines limit at max. 5A.	No such IC used.	N/A
G.9.1 b)	Limiters do not have manual operator or reset	tek abotek Anbor A	N/A
G.9.1 c)	Supply source does not exceed 250 VA:	tek obotek Anbore	_
G.9.1 d)	IC limiter output current (max. 5A)	hoo. A potek Anbotes	_
G.9.1 e)	Manufacturers' defined drift:	Aupore Andrew Auporer	_
G.9.2	Test Program 1	Aupote, Aur stek upo	N/A







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*ek	IEC 62368-1	And Anbotek Anbo	- A
Clause	Requirement + Test	Result - Remark	Verdict
G.9.3	Test Program 2	sek obotek Anbotek Al	N/A
G.9.4	Test Program 3	nek obotek Anboten	N/A
G.10	Resistors	Inbote Anti-	N/A
G.10.1	General requirements	Anbote, And Motek Aupotek	N/A
G.10.2	Resistor test	Anboter And Lotek Anbo	N/A
G.10.3	Test for resistors serving as safeguards between the mains and an external circuit consisting of a coaxial cable	ek Anbotek Anbotek An	N/A
G.10.3.1	General requirements	potek Anbo tek	N/A
G.10.3.2	Voltage surge test	Anbotek Anbo. Lek botek	N/A
G.10.3.3	Impulse test	Anbotek Anbot Att	N/A
G.11	Capacitor and RC units	aborek Anbore An	N/A
G.11.1	General requirements	No such components used	N/A
G.11.2	Conditioning of capacitors and RC units	k hotek Anbotet	N/A
G.11.3	Rules for selecting capacitors	pote And Otek Anbotek	N/A
G.12	Optocouplers	Anbore Ans stek anborek	N/A
Anbotek An	Optocouplers comply with IEC 60747-5-5:2007 Spacing or Electric Strength Test (specify option and test results)	Anbotek Anbotek Anbote	N/A
Anbore	Type test voltage Vini:	ok Anbore And Stek	
Aupoter	Routine test voltage, Vini,b:	otek Anbotes Anbotes	_
G.13 (1)	Printed boards	notek Anbotek Anbo.	Rote
G.13.1	General requirements	Anbotek Anbotek Anbot	P
G.13.2	Uncoated printed boards	Anbotek Anbotek Anbotek	P
G.13.3	Coated printed boards	And sek shotek Anb	N/A
G.13.4	Insulation between conductors on the same inner surface	tek Anbotek Anbotek A	N/A
Anbore	Compliance with cemented joint requirements (Specify construction):	nbotek Anbotek Anbotek	_
G.13.5	Insulation between conductors on different surfaces	Anbotek Anbotek Anbotek	N/A
otek	Distance through insulation	And otek Anbotek Anbo	N/A
Aupo	Number of insulation layers (pcs):	Anbo rek abotek Ar	_
G.13.6	Tests on coated printed boards	tek Aupon Ar potek	N/A
G.13.6.1	Sample preparation and preliminary inspection	botek Anbore An	N/A
G.13.6.2a)	Thermal conditioning	abotek Anbotes And	N/A
G.13.6.2b)	Electric strength test	Ar Stelk Subores Ambo	N/A







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sek k	IEC 62368-1	Anborek Anborek Anbore	VK VIII.
Clause	Requirement + Test	Result - Remark	Verdict
Anbo	Antek Anbore And Jek Spore	Amb. Artek Ar	both
G.13.6.2c)	Abrasion resistance test	tek Anbore An	N/A
G.14 Model	Coating on components terminals	notek Anboter Anbo	N/A
G.14.1	Requirements:	notek Anbotek Anbo	N/A
G.15	Liquid filled components	Anto otek Anborek Anbor	N/A
G.15.1	General requirements	Anbo tek abotek Anbo	N/A
G.15.2	Requirements	Anbo. Ar botek An	N/A
G.15.3	Compliance and test methods	lek Anbor K motek	N/A
G.15.3.1	Hydrostatic pressure test	botek Anbore Amb	N/A
G.15.3.2	Creep resistance test	hotek Anbotes And	N/A
G.15.3.3	Tubing and fittings compatibility test	Anbotek Anbotek Anbo	N/A
G.15.3.4	Vibration test	And otek Anbotek Anbo	N/A
G.15.3.5	Thermal cycling test	And stek anbotek Ant	N/A
G.15.3.6	Force test	Anbo Lak abotek	N/A
G.15.4	Compliance	potek Anbounds hotek	N/A
G.16	IC including capacitor discharge function (ICX)	- abotek Anbolt Ambotek	N/A
a)	Humidity treatment in accordance with sc 5.4.8 – 120 hours	Anbotek Anbotek Anbote	N/A
b)	Impulse test using circuit 2 with Uc = to transient voltage	k Anbotek Anbotek Ant	N/A
C1) Anbotek	Application of ac voltage at 110% of rated voltage for 2.5 minutes	otek Anbotek Anbotek	N/A
C2)	Test voltage	mbotek Ambot ak motek	_
D1)	10,000 cycles on and off using capacitor with smallest capacitance resistor with largest resistance specified by manufacturer	Anbotek Anbotek Anbotek	N/A
D2)	Capacitance:	k upotek Anbor Am	_
D3)	Resistance	sek shotek Anberes A	_

Н	CRITERIA FOR TELEPHONE RINGING SIGNALS		
H.1	General	N/A	
H.2	Method A	N/A M	
H.3	Method B	N/A	
H.3.1	Ringing signal	N/A	
H.3.1.1	Frequency (Hz)	_	
H.3.1.2	Voltage (V)	_	
H.3.1.3	Cadence; time (s) and voltage (V)	_	







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Po	IEC 62368-1	Report No. 16220WCS	00203020
Clause	Requirement + Test	Result - Remark	Verdict
Vupo.	Week Wupode Wing Pok Poste	Ant k motek Ant	oote I
H.3.1.4	Single fault current (mA)::	otek Anbote And Otek	
H.3.2	Tripping device and monitoring voltage	hotek Anboren Anb	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	Ambores Amb	N/A
H.3.2.3	Monitoring voltage (V)	Anbotek Anbo	_
PO/4	Par Marie Villa	1000 1001	

J	INSULATED WINDING	WIRES F	OR USE WI	THOUT IN	TERLEAVED IN	SULATION	N/A
Pr.	General requirements	tek	abotek	Alpo,	ok hotek	Anbore	N/A

K	SAFETY INTERLOCKS		N/A Mbo
K.1	General requirements	No safety interlocks inside the EUT	N/A
K.2	Components of safety interlock safeguard mechanism	otek Anbotek Anbotek	N/A
K.3	Inadvertent change of operating mode	otek Anbotek Anbot	N/A
K.4	Interlock safeguard override	Anti-	N/A
K.5	Fail-safe No.	Anber ak abotek Anbor	N/A
Aupo.	Compliance	Anbout Ant notek Ant	N/A
K.6	Mechanically operated safety interlocks	ok Anborr An Joseph	N/A
K.6.1	Endurance requirement	otek Anbore And Otek	N/A
K.6.2	Compliance and Test method	hotek Anbotes Anb	N/A
K.7	Interlock circuit isolation	notek Anborek Anbo	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements (type and circuit location):	Anbotek Anbotek Anbo	N/A
K.7.2	Overload test, Current (A)	k Aupoten Auro	N/A
K.7.3	Endurance test	stek Anbotek Anbo	N/A
K.7.4	Electric strength test:	tek abotek Anbot	N/A

L	DISCONNECT DEVICES		N/A
L.1	General requirements	Anbore. And alek anbo	N/A
L.2	Permanently connected equipment	Anbotek Anbo tek	N/A
L.3	Parts that remain energized	tek Anbotek Anbo	N/A
L.4	Single phase equipment	stek Anbotek Anbo.	N/A
L.5	Three-phase equipment	tek abotek Anbots	N/A
L.6	Switches as disconnect devices	Anbore Anbore	N/A
L.7	Plugs as disconnect devices	Anbot Anbo	N/A







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30.	V	N. A.	201	1 age 32 01 04	-40	Report No. 10	JZZ077030	00200020
,ek				IEC 62368-1				
Clause	nbotek	Require	ment + Test	Anborek	Re	esult - Remark	Anbor	Verdict
VUD.	- 100	ok hote	Dis.	16,	V0p	100	4. 4.	no <sup>1</sup> P

L.8 Multiple power sources	Anbo	tek Anbores And		N/A
----------------------------	------	-----------------	--	-----

М	<b>EQUIPMENT CONTAINING BATTERIES AND TH</b>	HEIR PROTECTION CIRCUITS	N/A
M.1	General requirements	Anbore Anbore	N/A
M.2	Safety of batteries and their cells	Anbore Anbo	N/A
M.2.1	Requirements	Ambores Ambo otek Ar	N/A
M.2.2	Compliance and test method (identify method):	ek Anbores Anb	N/A
M.3	Protection circuits	otek Anbotek Anbot	N/A
M.3.1	Requirements	tek shotek Anbote	N/A
M.3.2	Tests	Anborek Anbores	N/A
00, b,	- Overcharging of a rechargeable battery	Anbo Anbo	N/A
Anbotek	- Unintentional charging of a non-rechargeable battery	ek Anbotek Anbotek An	N/A
abotek	- Reverse charging of a rechargeable battery	tek abotek Anbott	N/A
K NO	- Excessive discharging rate for any battery	John Mark Anbores	N/A
M.3.3	Compliance	Aupote Aupotek Aupotek	N/A
M.4	Additional safeguards for equipment containing secondary lithium battery	Anborek Anborek Anbor	N/A
M.4.1	General	k botek Anbotes An	N/A
M.4.2	Charging safeguards	k hotek Anbotek	N/A
M.4.2.1	Charging operating limits	ore Arm otek anbotek	N/A
M.4.2.2a)	Charging voltage, current and temperature:	See table M.4	_
M.4.2.2 b)	Single faults in charging circuitry	Ambores Amb	_
M.4.3	Fire Enclosure	Anbotek Anbor ak	N/A
M.4.4	Endurance of equipment containing a secondary lithium battery	Anbotek Anbotek	N/A
M.4.4.2	Preparation	atek nbotek	N/A
M.4.4.3	Drop and charge/discharge function tests	nbotek Anbo	N/A
tek Anb	Drop Antone Antone	Anborek Anbo	N/A
botek	Charge	abotek Anbot An	N/A
abotek	Discharge	Anborek Anbore And	N/A
M.4.4.4	Charge-discharge cycle test	ok botek Anbotet A	N/A
M.4.4.5	Result of charge-discharge cycle test	or All Potek Autorem	N/A
M.5	Risk of burn due to short circuit during carrying	bote And otek anbotek	N/A
M.5.1	Requirement	Anboten Anbotek	N/A
M.5.2	Compliance and Test Method (Test of P.2.3)	abotek Anbo	N/A M







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ek A	IEC 62368-1	Anbotek Anbotek Anbote	Y Ann
Clause	Requirement + Test	Result - Remark	Verdict
Aupo,	wotek anbote And tek obotel	Anba worker Di	Upote.
M.6	Prevention of short circuits and protection from other effects of electric current	tek Anbotek Anbotek	N/A
M.6.1	Short circuits	ibore Air.	N/A
M.6.1.1	General requirements	Anbore And Otek Anborek	N/A
M.6.1.2	Test method to simulate an internal fault	Anbores Ant	N/A M
M.6.1.3	Compliance (Specify M.6.1.2 or alternative method):	Anbotek Anbetek Ar	N/A
M.6.2	Leakage current (mA):	er Anb	N/A
M.7	Risk of explosion from lead acid and NiCd batteries	botek Anbotek Anbotek	N/A
M.7.1	Ventilation preventing explosive gas concentration	Anbotek Anbotek Anbot	N/A
M.7.2	Compliance and test method	Anboren Ant	N/A
M.8	Protection against internal ignition from external spark sources of lead acid batteries	ek Anbotek Anbotek	N/A
M.8.1	General requirements	poter Anti-	N/A
M.8.2	Test method	Anbotek Anbo	N/A
M.8.2.1	General requirements	Anbotek Anbot	N/A
M.8.2.2	Estimation of hypothetical volume Vz (m³/s):	anbotek Anbot At	_
M.8.2.3	Correction factors:	k obotek Anbors Am	_
M.8.2.4	Calculation of distance d (mm):	ak abotek Anboten	_
M.9	Preventing electrolyte spillage	or An botek Anborek	N/A
M.9.1	Protection from electrolyte spillage	inbound And Motek Anbotek	N/A
M.9.2	Tray for preventing electrolyte spillage	Aupoter, Augusta	N/A
M.10	Instructions to prevent reasonably foreseeable misuse (Determination of compliance: inspection, data review; or abnormal testing):	Similar statement mentioned in the instructions	N/A M

N	ELECTROCHEMICAL POTENTIALS			N/A
otek ant	Metal(s) used:	me Lotek Anbotek	Aupo.	_

0	MEASUREMENT OF CREEPAGE DISTANCES AND CLEARANCES		
Auport	Figures O.1 to O.20 of this Annex applied:	pore All	

Р	SAFEGUARDS AGAINST ENTRY OF FOREIGN OBJECTS AND SPILLAGE OF INTERNAL LIQUIDS		
P.1	General requirements	No opening	N/A
P.2.2	Safeguards against entry of foreign object	No safeguards requirement.	N/A M







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-	FD	V	-V-	WO.	raye 34 01 04	750	Report No.	102200003	00233025
100	. ek	anbotek	Anbore.	Ann	IEC 62368-1	Anbo.	k. abotek	Anbore	Y Ann
P.	Clause	Anbotek	Requir	ement + Test	K Anbotek	Re	esult - Remark	Anbo	Verdict

Aupo,	tek abote And k bote	Aug. Tek	por P
Anbotek	Location and Dimensions (mm)	tek Anbotek Anco, tek	_
P.2.3	Safeguard against the consequences of entry of foreign object	abotek Anbotek Anbotek	N/A
P.2.3.1	Safeguards against the entry of a foreign object	Anbores Ansotek anbotek	N/A
poter. P	Openings in transportable equipment	Anbores And tek nbo	N/A M
Anbotek hotek	Transportable equipment with metalized plastic parts:	Anbotek Anbotek Ar	N/A
P.2.3.2	Openings in transportable equipment in relation to metallized parts of a barrier or enclosure (identification of supplementary safeguard):	botek Anbotek Anbotek	N/A
P.3	Safeguards against spillage of internal liquids	Anbott Anbotest	N/A
P.3.1	General requirements	Anbore Aris otek anbot	N/A
P.3.2	Determination of spillage consequences	Ambores Amb	N/A
P.3.3	Spillage safeguards	ek Anbotek Anbo	N/A
P.3.4	Safeguards effectiveness	otek Anbotek Anbo	N/A
P.4	Metallized coatings and adhesive securing parts	tek abotek Anbot	N/A
P.4.2 a)	Conditioning testing	Anbole Anbole	N/A
Dorg Br	Tc (°C):	Anbor ak botek Anbor	_
Aupor	Tr (°C):	Anbout Ant hotek Ant	_
Anbore	Ta (°C)	k Aupores, Yun	_
P.4.2 b)	Abrasion testing:	otek Anboiek Antibo	N/A
P.4.2 c)	Mechanical strength testing:	notek Anbores Anbo	N/A

Q	CIRCUITS INTENDED FOR INTERCONNECTION	WITH BUILDING WIRING	N/A	
Q.1	Limited power sources	Anbu ak botek Anb	N/A	
Q.1.1 a)	Inherently limited output	Anbour Ak hotek	N/A	
Q.1.1 b)	Impedance limited output	stek Anbore Ans Lotek	N/A	
K Anbo	- Regulating network limited output under normal operating and simulated single fault condition	nbotek Anbotek Anbotek	N/A	
Q.1.1 c)	Overcurrent protective device limited output	Aupote Aupotes	N/A	
Q.1.1 d)	IC current limiter complying with G.9	Anbore Amb	N/A	
Q.1.2	Compliance and test method	Anbotes And Stek	N/A	
Q.2	Test for external circuits – paired conductor cable	tek Anboren Anbo	N/A	
anboth	Maximum output current (A)	notek Anbotek Anbo		
rek at	Current limiting method	tek abotek Ambot	_	





Hotline o



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10.	P	-V 501	r age 33 01 04	70 1/2	epont No. 1	02201103	00233023
100, Feb.			IEC 62368-1				ok Mun
Clause	anbotek	Requirement + Te	est Anborer	Result	- Remark	Auper	Verdict

R	LIMITED SHORT CIRCUIT TEST		N/A
R.1	General requirements	Lotek Anboren Anb	N/A
R.2	Determination of the overcurrent protective device and circuit	Anbotek Anbotek Anbotek	N/A
R.3	Test method Supply voltage (V) and short-circuit current (A)):	Anbores Anborek Anbo	N/A

S	TESTS FOR RESISTANCE TO HEAT AND FIRE		N/A
S.1 Anbo	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W	botek Anbotek Anbotek	N/A
	Samples, material:	Anbotek Anbo tek nbot	_
anbotek	Wall thickness (mm)	Aupotek Aupo.	_
nbotek	Conditioning (°C)	ek Anborek Anbor An	_
Anborek	Test flame according to IEC 60695-11-5 with conditions as set out	potek Anbotek Anbotek	N/A
Sk Vupo	- Material not consumed completely	anbotek Anbo ak abotek	N/A
otek An	- Material extinguishes within 30s	Vupotek Vupo, Vk Pot	N/A
abotek	- No burning of layer or wrapping tissue	nbotek Anbot An	N/A
S.2	Flammability test for fire enclosure and fire barrier integrity	k Anbotek Anbotek Am	N/A
Aupo	Samples, material	otek Anbo. At hotek	_
k Vupor	Wall thickness (mm)	upotek Aupota Au	_
otek Anl	Conditioning (°C)	abotek Anbore Anh	_
nbotek	Test flame according to IEC 60695-11-5 with conditions as set out	Anbotek Anbotek Anb	N/A
Aupon	Test specimen does not show any additional hole	Author Ar hotek	N/A
S.3 Anbore	Flammability test for the bottom of a fire enclosure	stek Anbotek Anbotek	N/A
ak ab	Samples, material:	nbo. A. abotek Anbote	_
N. Bur	Wall thickness (mm)	Anbore Anborek Anbore	_
<sup>u</sup> po <sub>le</sub>	Cheesecloth did not ignite	Anbore Anbe	N/A
S.4	Flammability classification of materials	Auporen Anna	N/A
S.5 <sub>M.Dorel</sub>	Flammability test for fire enclosure materials of equipment with a steady-state power exceeding 4000 W	jek Anbotek Anbotek	N/A
lek Yup,	Samples, material	abotek Anbote Am Lotek	_
work o	Wall thickness (mm):	Anbores Anbores	_



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\$10.	1 age 60 of 64	1100011110. 10220110000200020		
	IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict	
Aupo,	notek anboren And	Aupo, K Polek Of	upote, b	
	Conditioning (test condition), (°C)	otek Anbotes Anb	_	
Anborr	Test flame according to IEC 60695-11-20 with conditions as set out	botek Anbotek Anbotek	N/A	
ootek Yu	After every test specimen was not consumed completely	Anbotek Anbotek Anbotek	N/A	
Anbotek	After fifth flame application, flame extinguished within 1 min	Anbotek Anbotek Anc	N/A	

Т	MECHANICAL STRENGTH TESTS		Brek
T.1	General requirements	otek Vupotek Vupo.	Potek
T.2	Steady force test, 10 N	Anbotek Anbotek	N/A
T.3	Steady force test, 30 N	Anbo tek abotek Anbo	N/A
T.4	Steady force test, 100 N	(See appended table T.4)	ofe. P Ar
T.5.nbon	Steady force test, 250 N	ak Anbore All hotek	N/A
T.6 Anbore	Enclosure impact test	potek Anbore And	N/A
ak Anbo	Fall test	botek Anbore And otek	N/A
otek Ar	Swing test	and botek Anbotes Anbo	N/A
T.Z.	Drop test	(See appended table T.7)	tek P and
T.8	Stress relief test	(See appended table T.8)	P
T.9	Impact Test (glass)	No glass used	N/A
T.9.1	General requirements	ore Augustaly Augustaly	N/A
T.9.2	Impact test and compliance	Inposes And Motek Anbotek	N/A
o <sub>ier</sub> bu	Impact energy (J)	Anbore Anborek Anbore	_
Iuposer,	Height (m):	Anboron Anb	_
T.10	Glass fragmentation test:	Anboren Anbo otek	N/A
T.11 nbotek	Test for telescoping or rod antennas	otek Anbotek Anbo	N/A
Anboth	Torque value (Nm):	hotek Anbotek Anbo	_

U	MECHANICAL STRENGTH OF CATHODE RAY TUBES (CRT) AND PROTECTION AGAINST THE EFECTS OF IMPLOSION	N/A
U.1	General requirements	N/A
U.2	Compliance and test method for non-intrinsically protected CRTs	N/A
U.3	Protective Screen	N/A







Troudet	Jaiety	AUG -K	Page 37 of 64	4 201	Report No. 18	8220WC30	0025302S
			IEC 62368-1	Anbo.			
Clause	abotek	Requireme	ent + Test	Anbo	Result - Remark	Anbor	Verdict
700,	D1.	V	0.770	- NO.	D1.	V:	-0,0

٧		DETERMINATION OF ACCESSI	ETERMINATION OF ACCESSIBLE PARTS (FINGERS, PROBES AND WEDGES)							
V.1	Anbore	Accessible parts of equipment	Anboro	bu.	work.	anboten	Anbo	Potek		
V.2	anb <sup>o</sup>	Accessible part criterion	Anbore	b.	otek.	anbotek	Aupo.	P		





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14 DAY		Table 1 a	gc 50 01 04	report No. 10220	7770300233030
rek .	nbotek	Anbore And borek	IEC 62368-1	tek abotek	Anbore All
Clause	anbotek	Requirement + Test	Anbotek	Result - Remark	Verdict

4.1.2	TABL	.E: List of critical com	ponents			nnbo'Pk
Object / par	rt No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity <sup>1</sup>
Plastic Enc	losure	LG CHEM LTD	LUPOY EF- 1006F(m)(f2)	V-0, min. thick 1.0mm, 120°C	UL 94	UL E67171
РСВ	Anbor	SHENZHEN FUSHENG ELECTRONICS CO LTD	CB-D	V-0, 130°C	UL 796	UL E308301
-Alternative	K	Interchangeable	Interchangeable	V-0, 130°C	UL 796	UL hotek
Wire	otek	Interchangeable	Interchangeable	VM-1, 80°C, Min. 26AWG	UL 758	UL Anbore
Switching F Supply	Power	SHENZHEN LINKSOONER TECHNOLOGY CO.,LTD	YXTG36EU- 2401500	Input: 200-240V~, 1.0A Max, 50/60Hz Output: 24.0VDC, 1.5A, 36.0W	EN 61347-2- 13:2014+A1:201 7 EN61347- 1:2015+A1:2021	Report No: PRMS2207 086SR Certificate No::PRMS2 207086SC

Supplementary information:

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

4.8.4, 4.8.5	TABLE: Li	thium coin/button cell batterie	es mechanical tests	N/A
(The follow	ing mechanica	tests are conducted in the sequence	ence noted.)	
4.8.4.2	TABLE: Str	ess Relief test	Anbotek Anbotek Anbo	_
ı	Part	Material	Oven Temperature (°C)	Comments
, <sub>o</sub> k	-botek	inbote Attachek Anh	or Anto Lek Storek	Anboro An
4.8.4.3	TABLE: Ba	ttery replacement test	Anbotek Anbourek	_
Battery pa	ırt no		anbotek Anbo ak botek	_
Battery Ins	stallation/withd	rawal	Battery Installation/Removal Cycle	Comments
Yupo,	to Viv.	otek Anbotek Anbo	k nbotek Anbote An	otek anbotek
4.8.4.4	TABLE: Dro	p test	otek Anbotek Anbote An	_
Impa	act Area	Drop Distance	Drop No.	Observations
Anbotek	Anbo	upotek Aupote P	hotek Anbotek Anbo	- Napotek P
4.8.4.5	TABLE: Imp	pact Moore Management	hotek Anbore Ant	_
Impacts	per surface	Surface tested	Impact energy (Nm)	Comments
iet an	poter Yup.	-tek obotek Anboro	Anbotek Anbotek Anb	tek nbotel
4.8.4.6	TABLE: Cru	ush test	And tek anbotek	_







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bos bu	Anbotek	Anbores Anborek	IEC 62368-1	Anberratek	Anbotek	Anbore	ok Pun
Clause	Anbotek	Requirement + Test	Anboren	Re	sult - Remark	Anbo	Verdict

Test position		Surface tested		Crushing Force (N)			Duration force applied (s)	
Arr	Aupolek	Anbo	abotek	Anboro	Air. Potek	Anbotek	Anbo	
Supplementary info	rmation:	Anbor	h. sootek	Anbore	Ann	Arbotek	Anbo	

4.8.5	TABLE: Lit	hium coin/button	nechanical te	est result		N/A		
Tes	t position	Surface	tested	Force (N)			Duration force applied (s)	
Anb	- pr po	ek Anbore.	Aug	anbotek	bupo. b	-botel	Anbore.	
Suppleme	entary informatio	on: tek	And	abotek	Anbor	bu.	otek Anboten	

5.2	Table: C	Classification of	electrical energy	sources	hotek p	nbotek	Vupo.	rek P
5.2.2.2 -	- Steady State	e Voltage and Cu	rrent conditions	3927		V		
	0	Location (e.g.			Paramete	rs		
No.	Supply Voltage	circuit designation)	Test conditions	U (Vrms or Vpk	(Apk or	Arms)	Hz	ES Class
ote.	Aun	Mobolek	Normal	24.02 Vrms	Ans.	nek	Anbotek	Anbo
Inboten 1	24VDC	DC input terminal and	Abnormal:	obotek Anl	ooten A	hotek	- Anboi	ES1
	stek Anb	internal circuits	Single fault: SC/OC	Anbotek	Antorek -	Anbotal	pn	potek botek
5.2.2.3 -	- Capacitance	Limits						
Na	Supply	Location (e.g. circuit	Test conditions		Parameter	s		ES Class
No.	Voltage	designation)	rest conditions	Capacitance	Capacitance, nF		/)	ES Class
'up.	nbotek	Anboro	Normal	Anboren Ant	-10K	anbotek.	Aupo,	'sk Vi
Aupo.	lek Pupo	tek Aupore	Abnormal	Anbotek	Anburgtek	Anberek		logo.
	botek Ar	botek Anbor	Single fault – SC/OC	Anborek Anborek	Anbotek	Anbo	rek tek	anbotek
5.2.2.4 -	Single Pulse	s						
Nia	Supply	Location (e.g.	Toot conditions		Parameter	s		EC Class
No.	Voltage	circuit designation)	Test conditions	Duration (ms)	Upk (V)	lpk	(mA)	ES Class
W. 200	ek Pupo,	Au Pus	Normal	Aupo ek	abotek	Kupore	- Aus	wotek
<u>-</u>	potek - An	ooter And	Abnormal	Aupo,	P. Polek	Anbo	1	Watek
	Anbotek	Anboien Anb	Single fault – SC/OC	tek Anbore	Anbore Anbore	ik Ani	poter	Anbote







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oge, bu,	nbotek	Anborek	Aupo,	IEC 62368-1	Anbore	Anbotek	Anborek	V. V.
Clause	Anbotek	Require	ement + Test	Anbotek	Re	esult - Remark	Anbo	Verdict

	5.2.2.5	- Repetitive F	Pulses					
S		Supply Location (e.g.		T (		F0 01		
00	No.	Voltage	circuit designation)	Test conditions	Off time (ms)	Upk (V)	lpk (mA)	ES Class
	-botek	Anbote	Ann	Normal	00. P.	otek Anbot	- Aug	k anbo
P	-otel	Anbotel	Anbo otek	Abnormal	Aupor Au	hotek Ant	oter - And	Not - No
	Anb.	otek Anbo	lek Anbo	Single fault – SC/OC	Anbore	Anbotek	Anbotek Ant	nbotek

**Test Conditions:** 

Normal -

Abnormal -

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

5.4.1.4, 6.3.2, 9.0, B.2.6	ABLE: Temperature measuremen	ts Anbor				nbotek Anbotek
k Aupoter	Supply voltage (V)	24V	DC	Aupoter	- And	_
otek Anbot	Ambient T <sub>min</sub> (°C):	Auport	horek	Antaorek	Anbo	_
hotek An	Ambient T <sub>max</sub> (°C):	Pupore -K	Pur-	Anbote	Anbo	_
"un Potek	Tma (°C):	25	.0	ok - Anb	iek - Yup,	_
Maximum mea	asured temperature T of part/at:		Т (	°C)		Allowed T <sub>max</sub> (°C)
PCB near U1	And Antorek Antorek Ant	58	.4 otek	Aupore-	Aug - Jek	130
PCB near U2	Anb otek anbotek	55	.3 hotek	Anhores	Anbe	130
PCB near U3	otek Anbo tek nbotek	Anbore 57	.6 Lotek	Anbotek	Anbo	130
PCB near Q1	hopotek Aupon ek spotek	56	.5	ok Mpo	ek - Aupo	130
PCB near L1	anbotek Anbote Anbote	58	.7 And	rek -	potek Ar	130
Internal wire	nbotek Anbote An	38	.6 An	*ek	abotek	80
Enclosure insi	de near PCB	35	.8°**	Yupo.	the spokek	Ref.
LED lamp	ak abotek Anbotes	31	.7 nbotek	Aupo.	-botek	Ref.
Enclosure outs	side near PCB	29	.2 Anbotek	Popou	ok Pos	× 77* <sub>M</sub>
Ambient	upos An sek uposes	25	0	K Anboi	- bree	- 40K

Supplementary information:

Supplementary information:

A. \* means that surfaces touched occasionally for very short periods (> 1 s and < 10 s).

0	Temperature T of winding:	t <sub>1</sub> (°C)	R <sub>1</sub> (Ω)	t <sub>2</sub> (°C)	R <sub>2</sub> (Ω)	T (°C)	Allowed T <sub>max</sub> (°C)	Insulatio n class
2	abotek Anbote And	Anbotek	Aupo	rek_	abotek	Arboro	N Pur	rek As







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o sek	Anborek	Anborek	Anborek	IEC 62368-1	Anboren	Anbotek	Anborek	V Vupor
Claus	se Anbotek	Requir	ement + Test	Anbotek	Re	sult - Remark	Anbo	Verdict

Supplementary information:

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 soft	ening temperature of the	rmoplastics	Vun.	ok apole	N/A
Penetration	(mm)	:	hotek Anbo	ter Anbo	stek and	_
Object/ Par	t No./Material		Manufacturer/t rademark	T softening (°C)		
- Arro	otek anbotek	Anbo. Lek abotek	Anbore	Yun Votek	Antrotek	Aupo.
supplement	ary information:	Aupo, ak hote	K Anbote	Ann	nbotek	Aupo,

5.4.1.10.3	TABLE: Ball pro	essure test of the	ermoplastic	s tek	otek N/A An		
Allowed im	pression diameter	(mm)	:	≤ 2 mm	Anbotek	Aupor P	_
Object/Part	No./Material	Manufacturer/tra	demark	Test ten	nperature (°C)	Impression d	iameter (mm)
SK upo	Hek Anbor	Wolek	Anboten	AUG	rek abotel	Vupo.	by.
Supplemen	tary information:	Alle	Anborek	Anbo	rek apo	stek Anbore.	h bu

5.4.2.2, TABLE: Minimum ( 5.4.2.4 and 5.4.3	Clearance	s/Creepa	ge distance	Anbotel Anbotel	yek Pupo,	potek Anb	N/A
Clearance (cl) and creepage distance (cr) at/of/between:	Up (V)	U r.m.s. (V)	Frequenc y (kHz) <sup>1</sup>	Required cl (mm)	cl (mm) <sup>2</sup>	Required <sup>3</sup> cr (mm)	cr (mm)
otek Anbotek Anbo	h.	e Auto	Die. Bu	-otet	Anbotek	AUD.	Joole
Supplementary information:	Pr10,	otek	Anbore	And	Anbotek	Anbor	10/4 a/p

5.4.2.3	4.2.3 TABLE: Minimum Clearances distances using required withstand voltage							
Anbo	Overvoltage Category (C	V): And Mark	potek Anbo	abolek Anbole				
K Anbo	Pollution Degree:	And stek	Anbotek Anbo.	k botek Anbote.				
Clearance	distanced between:	Required withstand voltage	Required cl (mm)	Measured cl (mm)				
upo.	abotek Anbote	hotek Aupotek	Anbo	shotek Anhore An				
Supplemen	ntary information:	VUD. K POLE	W. Aupon	rek above				

5.4.2.4	TABLE: Clearances ba	sed on electric strengtl	h test	N/A
Test volta	ge applied between:	Required cl (mm)	Test voltage (kV) peak/ r.m.s. / d.c.	Breakdown Yes / No
4/20,	hotek Anbote	Ann otek nbotek	Vupo, N	potek Anbote And







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otek	Anbotek	Anbore Ans borek	IEC 62368-1	Anboatek	Anbotek	Anbore	ak An-
Clause	anbotek	Requirement + Tes	st <sup>k</sup> Anboten	Result	t - Remark	Aupo,	Verdict
And	botek	Vupou Vi	arek noore	PUS.	wołek	, AUL	0,0
Supplemen	tary informat	ion: botek Ar					

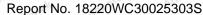
5.4.4.2, TABLE: 5.4.4.5 c)	Distance thr	ough ins	ulation	measurem	ents	inbotek Anbo	N/A Anborek
5.4.4.9	Arbotek	Anbore		And	anbotek	Anbo. A	-botek Anbo
Distance through insulation di at/of:	Pea	ak voltage (V)		Frequency (kHz)	Material	Required DTI (mm)	DTI (mm)
Anbo	otek Anbo	b	7Un-	ik anbot	ek -Anbo	- botek	Aupor
Supplementary inform	nation:	pore	Vun	stek no	potek Anbi	ok spot	ek Anbore

5.4.9	TABLE: Electric strength tests	Anbore And	k Aupotok Au	N/A
Test voltag	ge applied between:	Voltage shape (AC, DC)	Test voltage (V)	Breakdown Yes / No
Functional	k hotek Anbore Ant	stek anbotek	Tupo, ok bi.	Anbore
Anboro	K Polek Pupoten Pu	tek obotek	Anbore Are not	k Andotek
Basic/supp	plementary:	Anbo. Lak abotek	Anbore Ant	otek Anbotek
otek p	unbotek Anbotek	Aupo, Ai	Aupoter Au	otek nbote
Reinforced	t: Anbotek Anbotek	Anbore An	tek Anbotek	rup stek out
Ans	Anbotek Anbo tek abote	k Aupole Aug	Sotek Anbotek	Aupo
Routine Te	ests: Anborek Anbor	otek Anbote A	no otek Anbotek	Anbo.
AUDO	tek anbotek Anbots An	notek -Anboten	And stek-	k Vopor
Supplemen	ntary information:	An otek Anbotek	Anbo sak ab	otek Anbore

5.5.2.2	TABLE: St	ored discharg	je on capacito	ors		N/A
Supply Voltage (V), Hz		Test Location	Operating Condition (N, S)	Switch position On or off	Measured Voltage (after 2 seconds)	ES Classification
Anbo,	Ye. Yun	otek onbo	lek Vupo,	- No.	lek Anbote A	otek onbotek
Suppleme	ntary informat	ion:	botek Ant	10, by	wotek anboten	And sek abote
X-capacito	rs installed fo	r testing are:				
□ bleedi	ng resistor rat	ing: "				
□ ICX:						
Notes:						
A. Test Lo	cation:					
Phase to N	Neutral; Phase	to Phase; Ph	ase to Earth; a	nd/or Neutral t	to Earth	
B. Operat	ing condition a	abbreviations:				
N – Norma	al operating co	ondition (e.g., r	normal operation	on, or open fus	se); S –Single fault cond	dition









otek bii	Anbotek	Anborek Anborek	IEC 62368-1	Anberratek	anbotek	Anbore	ok Pun
Clause	Anborek	Requirement + Test	k Anboten	Re	sult - Remark	Anbo	Verdict

5.6.6.2	TABLE: Resistance of	protective conductors and terminations						
Accessible part		Test current Duration (A) (min)		Voltage drop (V)	Resistance (Ω)			
V. Di	otek Anbotek	Anbo.	botek -Anbote	Anv -otek	Anbotek	Aupo		
Suppleme	ntary information:	Aupo, ok A	hotek Anbotes	And	anbotek	Anbo		

5.7.2.2, 5.7.4	TABLE: Earthed accessible conductive par	T Anbotek Anb	otek Anbotel	N/A
Supply volt	age	Anborer	Tup, stek vup,	
Location		IEC 60990 or Fa in IEC 60990 cla	specified in 6.1 of ault Condition No ause 6.2.2.1 , except for 6.2.2.7	Touch current (mA)
hotek	Anbore And Anboren Ar	tek ab	oth Anbore	N/A
		Aupo, W	2* Anbore	N/A
		Vupor V	3 hotek Anbo	N/A
		Anbore	4	N/A
		ek Anbores	5 And stek	N/A
		otek Anbotek	6 Anba	N/A
		niek nabo	18 Anbo	<u>N/A</u>

### 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	Table: Electrical	power sour	power sources (PS) measurements for classification					
Source	Description	Measureme	ent	Max Power after 3 s	Max Power after 5 s*)	PS Classification		
'un	Arbotek Anbi	Power (W)	:	Anbore An	>15W	Anbo A.		
All Internal circuits	All Internal circuits	V <sub>A</sub> (V)	:	rek Arboter	into otek Anbotek	PS2(Declared by client)		
Anbe	h. ollodiek	I <sub>A</sub> (A)	:	hotek -Anbotek	Anbo	k Aupor		

### Supplementary Information:

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

6.2.3.1	Table: Determination	n of Potential Ignitio	n Sources (Arcing PIS	abore	N/A
100	Dr.	, 400 - 1	-V 40	Dr.	750









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otek k	Anbotek	Anbore And borek	IEC 62368-1	Anbo	Anbotek	Anbore	ok Pun
Clause	Anborek	Requirement + Test	K Anboten	Re	sult - Remark	Anbo	Verdict

Location	Open circuit voltage After 3 s (Vp)	Measured r.m.s current (Irms)	Calculated value (V <sub>p</sub> x I <sub>rms</sub> )	Arcing PIS? Yes / No
botek Anbore And Otek	Anbatek A	upo M.	ak Anhore	in otek anboi

#### 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 Table: Determination of Potential Ignition Sources (Resistive PIS)							
Circuit Location (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 internal circuits	Aupo, ok	hotek Anbot	e. Aur	r npotek	Yes		

#### 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, <u>or</u> (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	motek Anbotek Ant	N/A hotel
Description	Values	Energy Source Classification
Lamp type	Ann.	_
Manufacturer	Anbo tek nbotek	_
Cat no	ek Anbo, ek abotel	_
Pressure (cold) (MPa)	potek Aupo, ok w	MS_
Pressure (operating) (MPa)	abotek Anbote Am	MS_
Operating time (minutes)	potek Anbore A	_
Explosion method:	hotek Anbotes	_
Max particle length escaping enclosure (mm) .:	k hotek Anbotek	MS_
Max particle length beyond 1 m (mm)	An otek anbotek	MS_
Overall result	potes And Stek Ando	tek Anbo ak Abotek
Supplementary information:	Anboten Anbo	sbotek Anbore An







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otek k	Anbotek	Anbore And borek	IEC 62368-1	Anbo	Anbotek	Anbore	ok Pun
Clause	Anborek	Requirement + Test	K Anboten	Re	sult - Remark	Anbo	Verdict

B.2.5 TABLE: Input test		Anbore	ak hotek	Anbore	Anb.	otek nbotP	
U (V)	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status
DC power s	upply	rak ab	otek A	upole, Yun	otek	*upotek	Aupo. Pk apole
24VDC	0.887	1.5	21.29	Anboten An	anbole <sup>k</sup>	Aupotek	Unit normal working, with LED light on.

Supplementary information:

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

B.3	ΓABLE: Abnorm	nal operating	condition t	ests	upote. A	ur atek	Anborek	N/A
Ambient temp	perature (°C)	Ambore	k Mo	ye.k	Anboter	Anbe	anbot	ek _
Power source	for EUT: Manuf	acturer, model	/type, outpu	ıt rating	Anbotek	Anbo	ak an'	ooti —
Component N	No. Abnormal Condition	Supply voltage, (V)	Test time (ms)	Fuse no.	Fuse current, (A)	T-couple	Temp. (°C)	Observation
VI. POLEK	Aupote.	Ann Tek	- abotek	Pupo	- bv.	otek	Aupoter.	- Aug

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.

B.4	TAB	LE: Fault co	ndition tests							-botelP
Ambient tem	npera	ture (°C)	Pro-	Kipo <sub>ter</sub>	Vupp	rek	25.0	orek p	'upo,	·
Power source	ce for	EUT: Manuf	acturer, model	/type, outpo	ut rating	, rel		abotek	Anbore	<u> </u>
Component	No.	Fault Condition	Supply voltage, (V)	Test time (ms)	Fuse no.	curi	rent,	T-couple	Temp. (°C)	Observation
U1 pin 2-	3	S-C	24VDC	10mins	Anbores Anbores Anbr	lek V	Anbore	otek Anbr	Aupotek Valek	After SC, Unit normal working, no hazard, no damage.
R12	otek Inbote Anb	S-C	24VDC	10mins	otek Inbotek	Anbot An	ootek ootek	Anbotek Anbotek	ek Aupole	After SC, Unit normal working, no hazard, no damage.
Anborek AC7 rek	rok p	S-C	24VDC	10mins	Anbo	ootek-	Aup.	hotek Ar	Anbotek Anbotek	After SC, Unit shut down, no hazard, no damage.

S-C: short circuit







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otek .	Inpotek	Anbore	Ans	IEC 62368-1	Anbo	anbotek	Anbore	ok Vuo
Clause	aborek	Requir	ement + Test	Aupoten	Re	sult - Remark	Anbo	Verdict

Annex M	TABLE: Batte	eries	tek at	orek A	Upo,	hotek	Anb	over b	N/A
The tests of A	Annex M are a	applicable	only when ap	opropriate b	attery data	is not ava	ilable	nborek	N/A
Is it possible	to install the b	pattery in a	reverse pola	arity position	1?	- Pub	-otek	Anbolek	N/A
	Non-red	chargeable	batteries		R	echargeab	le batterie	es	
	Disch	arging	Un-	Char	Charging Disch		arging	Reversed	l charging
	Meas. current	Manuf. Specs.	intentional charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.
Max. current during norma condition	II K Anbote	otek p	hotek h	Anbotek Anbotek	Anborek Anborek	Yupo,	ek A'	Aupolek Valorek	Anote
Max. current during fault condition	otek A	nboro.	Anbotek Anbotek	Anbotek Anbot	ek An	ootek	Anbotek Anbotek	Anboro Anbor	ek b
Test results:	k Anbatek	Anbr	Dr. Dr.	hotek	Anboten	Anti	¥ ,	botek	Verdict
- Chemical le	aks	tek b	upoto by	hotek	Anbotek	Vupo	No chem	nical leaks	Vupore
- Explosion o	f the battery	botek	Aupot	An hotek	Anbor	Si. Vu	No explo	sion	-Anbc
- Emission of	flame or exp	ulsion of m	nolten metal	Anbot	ok Aut	ootek	No flame	200	otek b
Electric etro	ngth tests of	equinment	after comple	ation of tests	0.	Pr.	2001	e. Pu	N/A

Annex M.4	Table: Adbatteries	dditional saf	eguards for equ	ipment cont	taining second	ary lithium	N/A	
Battery/Cell No.		Test	Test conditions		Measurements			
				U	I (A)	Temp (C)		
Aupor	- K	work p	Tupote. Vup.	rek -	abotek Anbo	-/r Po.	lek Tupote,	
Supplement	ary Informa	ation:	Anbotek Ar	Voo. Vek	aborek Ar	ipole. Yu.	borek Anbo	
Battery identificati		harging at T <sub>lowest</sub> (°C)	Observa	ition	Charging at Thighest (°C)	Obs	servation	
Naporek	Hipo.	- Pr	Charging cu	ırrent:	rek nbotek	Chargin	g current:	
Supplement	arv Informa	ation:	otek anbot	len Vulpa	ek spoi	ek Anbore	Prince Of OK	







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otek k	Anbotek	Anbore And borek	IEC 62368-1	Anbo	Anbotek	Anbore	ok Pun
Clause	Anborek	Requirement + Test	K Anboten	Re	sult - Remark	Anbo	Verdict

Annex Q.1	TABLE: Circuits inten	ded for interco	onnection with	building wirir	ng (LPS)	N/A
Note: Meas	sured UOC (V) with all loa	d circuits disco	nnected:	K Win	rek Anbotek	Anbo
Output	Components	U <sub>oc</sub> (V)	I <sub>sc</sub> (A)		S (VA)	
Circuit	Circuit		Meas.	Limit	Meas.	Limit
Anbotek	Anbo botek	Ariboro	Mr tek	Vupo <del>te</del> r.	Aup	-botel-
Supplemen	 ntary Information:	k upotek	Anbotek	Anbo	Anborek	Pupole

Г.2, Т.3, ТАВ Г.4, Т.5	LE: Steady force to	est Anborek Ant			Anbotek Anb
Part/Location	Material	Thickness (mm)	Force (N)	Test Duration (sec)	Observation
Top enclosure	See table 4.1.2	See table 4.1.2	100N	Anbo 5k	No damaged, no hazard
Bottom enclosure	See table 4.1.2	See table 4.1.2	100N	Arbotek k kotek	No damaged, no hazard
Side enclosure	See table 4.1.2	See table 4.1.2	100N	otek 5 Anbotel	No damaged, no hazard

T.6, T.9 TAB	LE: Impact tests			Anbotek Anbotek	N/A
Part/Location	Material	Thickness (mm)	Vertical distance (mm)	Observation	
Top enclosure	Vun.	nbotek	upo, - k	notek Anbote And	tek sat
Bottom enclosure	hotek Anbotek	Aupotek	Anbotek An	Anbotek Anbotek - Anbo	botek
Side enclosure	otek nobot	Anbo	-botek	Anbore Ans	Anbotek

T.7 nbotek	TABLE: Drop tests	itek Anbores	Aug	anbotek	Anbor Ar abort	ì
Part/Location	on Material	Thickness (mm)	Drop Height (mm)		Observation	







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orek An	Anbotek	Anboren Anbarek	IEC 62368-1	Anboro	Anbotek	Anboren	ek vp.
Clause	Anborek	Requirement + Test	Anborer	Re	sult - Remark	Anbo	Verdict

Top enclosure	See table 4.1.2	See table 4.1.2	750	No damage, no hazard.
Bottom enclosure	See table 4.1.2	See table 4.1.2	750	No damage, no hazard.
Side enclosure	See table 4.1.2	See table 4.1.2	750	No damage, no hazard.

T.8 TAB	LE: Stress relief to	est	tek abote	And	hotek And
Part/Location	Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observation
Plastic enclosure	See table 4.1.2	See table 4.1.2	70	Anborek 7 Anb	No damaged, no hazard.
Supplementary inf	formation:	, Aug	k anbotek	Aupo.	abotek Anbotes





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1401		V 1001 1090	100			
0. W.		IEC62368_1[	O - ATTACHMENT			
Clause	abotek	Requirement + Test	Anbotek Anbo. F	Result - Remark	Anbore	Verdict

#### ATTACHMENT TO TEST REPORT

#### IEC 62368-1

#### **EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES**

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

**Differences according to** ...... EN 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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CENELE	C COMMON MOI	DIFICATION	NS (EN)			nbott
	subclauses, notes 8-1:2014 are prefi		ures and annexe	s which are a	dditional to thos	e in
Annex ZA Annex ZE Annex ZC Annex ZE	ollowing annexes: (normative) ((informative) ((informative) ((informative) ()	Norm with the Speci A-dev IEC a cords	4 70030	ng European p tions ode designatio	oublications ons for flexible	Anbore Anbore
	owing list:		erence documen	T (IEC 02308-	1.2014) accordi	nig 1
0.2.1	Note	1	Note 3	4.1.15	Note	34
4.7.3	Note 1 and 2	5.2.2.2	Note	5.4.2.3.2.2 Table 13	Note c	Yupote,
5.4.2.3.2	2.4 Note 1 and 3	5.4.2.5	Note 2	5.4.5.1	Note	PN/p <sub>0</sub>
5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3	it b
5.7.5	Note	5.7.6.1	Note 1 and 2	10.2.1 Table 39	Note 2, 3 and 4	orek
10.5.3	Note 2	10.6.2.1	Note 3	F.3.3.6	Note 3	"upo <sub>t</sub> en
For speci	al national conditi	ons, see Ar	nnex ZB.	Anbotek	Anboro	P
NOTE Z1 T	ollowing note: the use of certain subst quipment is restricted v			otek Anbote	otek Anbore	* 8 K









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	IEC62368_1D - ATTAC	HMENT	
Clause	Requirement + Test	Result - Remark	Verdict
4.Z1	Add the following new subclause after 4.9:	ek anbotek Antotek A	N/A
	To protect against excessive current, short-circuits and earth faults in circuits connected to an a.c. <b>mains</b> , protective devices shall be included either as integral parts of the equipment or as parts of the building installation, subject to the following, a), b) and c):	botek Anbotek	Anbotek Anbotek
	a) except as detailed in b) and c), protective devices necessary to comply with the requirements of B.3.1 and B.4 shall be included as parts of the equipment;	ek Anbotek Anbotek Ar	Yupotek Noter
	b) for components in series with the mains input to the equipment such as the supply cord, appliance coupler, r.f.i. filter and switch, short-circuit and earth fault protection may be provided by protective devices in the building installation;	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbo'
	c) it is permitted for <b>pluggable equipment type B</b> or <b>permanently connected equipment</b> , to rely on dedicated overcurrent and short-circuit protection in the building installation, provided that the means of protection, e.g. fuses or circuit breakers, is fully specified in the installation instructions.	otek Anbotek Anbotek Anbotek	Anbotek Anbotek Anbot
	If reliance is placed on protection in the building installation, the installation instructions shall so state, except that for <b>pluggable equipment type</b> A the building installation shall be regarded as providing protection in accordance with the rating of the wall socket outlet.	Anbotek	etek Anbotek Anbotek
5.4.2.3.2.4	Add the following to the end of this subclause: The requirement for interconnection with external circuit is in addition given in EN 50491-3:2009.	nbotek Anbotek Anbotek	N/A
10.2.1	Add the following to c) and d) in table 39: For additional requirements, see 10.5.1.	Anbotek Anbotek Anbote	N/A





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IEC62368_1D - ATTACHMENT				
Clause	Requirement + Test	Result - Remark	Verdict	
10.5.1	Add the following after the first paragraph:	ek anbotek Anboten A	N/A	
	For RS 1 compliance is checked by measurement under the following conditions:	botek Anbotek Anbotek	Anbotek	
	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	Anbotek Anbotek Anbotek	Anbot	
	internal adjustments or presets which are not locked in a reliable manner, are adjusted so as to	Anbotek Anbotek Anbo	hotek	
	give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made.	ek Anborek Anborek	anbotek anbotek	
	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.	botek Anbotek Anbo	Ai.	
	The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm <sup>2</sup> , at any point 10 cm from the outer surface of the apparatus.	Anbotek Anbotek Anbotek Anbot	potek Vup	
	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.	otek Anbotek Anbotek  Anbotek Anbotek  Anbotek Anbotek	Anbotek Anbotek	
	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.	Anbotek Anbotek Anbotek Anbot	okek Aup	
10.6.1	Add the following paragraph to the end of the subclause:	Antorek Anbotek	N/A	
	EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	inpotek Anbotek Anbotek	Anbotek	
10.Z1	Add the following new subclause after 10.6.5.	Anborek Anbo. Anbore	N/A	
	10.Z1 Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz	Anbotek Anbotek Anb	okek M	
	The amount of non-ionizing radiation is regulated by European Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz).	hek Anbotek Anbotek  Anbotek Anbotek  Anbotek Anbotek	Anbotek Anbotek	
	For intentional radiators, ICNIRP guidelines should be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (up to 300 GHz). For handheld and body-mounted devices, attention is drawn to EN 50360 and EN 50566	Anbotek Anbotek Anbotek Anbotek  Anbotek Anbotek Anbotek Anbotek Anbotek	nbotek Ar	
G.7.1	Add the following note:  NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in Annex ZD.	botek Anbotek Anbotek	N/A	







	IEC62368_1D - ATTAC	HMENT	
Clause	Requirement + Test	Result - Remark	Verdict
VUPO.	Potek Vupose, Mun 15k Poses	Anbo. ok motel	Anbore
Bibliograph	Add the following standards:		N/A
y abotel	Add the following notes for the standards indicated	tek abotek Anbr	y word
	IEC 60130-9 NOTE Harmonized as EN 6013	30-9.	upoten Aug
	IEC 60269-2 NOTE Harmonized as HD 6026	69-2.	botek Anb
	IEC 60309-1 NOTE Harmonized as EN 6030	09-1.	Vur.
	IEC 60364 NOTE some parts harmonized	in HD 384/HD 60364 series.	Anbo
	IEC 60601-2-4 NOTE Harmonized as EN 6060	1-2-4.	Anbore.
	IEC 60664-5 NOTE Harmonized as EN 6066	4-5.	ak abotek
	IEC 61032:1997 NOTE Harmonized as EN 6103	2:1998 (not modified).	An otek
	IEC 61508-1 NOTE Harmonized as EN 6150	8-1.	ibotek Anbo
	IEC 61558-2-1 NOTE Harmonized as EN 6155	8-2-1.	botek Anbo
	IEC 61558-2-4 NOTE Harmonized as EN 6155	i8-2-4.	YUR TOK
	IEC 61558-2-6 NOTE Harmonized as EN 6155	8-2-6.	Aupo, K
	IEC 61643-1 NOTE Harmonized as EN 6164	3-1. Andrew	anboten
	IEC 61643-21 NOTE Harmonized as EN 6164	3-21.	ok hotek
	IEC 61643-311 NOTE Harmonized as EN 6164	3-311.	hun tek
	IEC 61643-321 NOTE Harmonized as EN 6164	3-321.	potek Anbo
	IEC 61643-331 NOTE Harmonized as EN 6164	3-331.	botek Anbot
ZB A	ANNEX ZB, SPECIAL NATIONAL CONDITIONS	(EN)ortek Anbores	N/A
4.1.15	Denmark, Finland, Norway and Sweden	hotek Anbore	N/A
	To the end of the subclause the following is added:	And tek anbotek	Aupr
	Class I pluggable equipment type A intended for	ak Aupo, ok work	K Wipole
	connection to other equipment or a network shall,	otek Anbote And	otek Anbotek
	if safety relies on connection to reliable earthing or if surge suppressors are connected between the	ek abotek Ant	o, br
	network terminals and <b>accessible</b> parts, have a	Anbor An Arek	Anboten Ano
	marking stating that the equipment shall be	Anborek Anbo	borek Ant
	connected to an earthed <b>mains</b> socket-outlet.	botek Anbore	Arr
	The marking text in the applicable countries shall	Ans stek subotek	Anbu
	be as follows:	Aupo, ok W. Pote	r Arbore
	In <b>Denmark</b> : "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til	stek Anbote, And	tek abotek
	stikproppens jord."	tek abotek Anb	A Pole
	In Finland: "Laite on liitettävä suojakoskettimilla	hpor Air otek	inpoten Aub
	varustettuun pistorasiaan"	Anboten Anbo ok	botek Anb
	In <b>Norway</b> : "Apparatet må tilkoples jordet	abotek Anbote	All Otek
	stikkontakt"	An atek abotek	Anbo
	In <b>Sweden</b> : "Apparaten skall anslutas till jordat	Anbo. K An	Anbore
-pupoter	uttag"	lok Aupoles Aupo	*ek "potek
4.7.3	United Kingdom	tek abotek Anbo	N/A
	To the end of the subclause the following is added:	abor Ali	abover Anbov
	The torque test is performed using a socket-outlet	abotek Anbo	nek nob

### **Shenzhen Anbotek Compliance Laboratory Limited**

see Annex G.4.2 of this annex





complying with BS 1363, and the plug part shall be assessed to the relevant clauses of BS 1363. Also



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Clause	Requirement + Test	Result - Remark	Verdict
Auto i di di	A Trequirement Front	Amboresan Honoria	botek
5.2.2.2	Denmark	clek Aupotek Aupon	N/A
	After the 2nd paragraph add the following:	otek Anbotek Anbo	Ar. hotek
	A warning (marking <b>safeguard</b> ) for high <b>touch current</b> is required if the <b>touch current</b> exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	Anbotek Anbotek Anbotek	Anbot
5.4.11.1	Finland and Sweden	Aupotes Aug atek Vupo	N/A
ind Annex	To the end of the subclause the following is added	Anbotek Anbo	botek
Anbotek	For separation of the telecommunication network from earth the following is applicable:	orsk Anbotek Anboro Al	Anbotek
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	Anbotek Anbotek Anbotek	Anbotek
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	Anbotek Anbotek Anbot	ek Ani
	• one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	Anborek Anborek An	Anbotek Anbotek
	If this insulation forms part of a semiconductor component (e.g. an optocoupler), there is no distance through insulation requirement for the insulation consisting of an insulating compound completely filling the casing, so that clearances and creepage distances do not exist, if the component passes the electric strength test in accordance with the compliance clause below and in addition	Anbotek	Anbore Anbore Anbore Anti-
	• 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	Inbotek Anbotek Anbotek	Anbotel Anbotel
	• is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5kV.	Anbotek Anbotek Anbotek Anb	olek b
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	objek Anbotek Anbotek A	Anbotek Anbotek
	A capacitor classified Y3 according to EN 60384- 14:2005, may bridge this insulation under the following conditions:	Anbotek Anbotek Anbotek	Anbo
	• 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;	Anbotek Anbotek Anbotek Anbotek	hootek Anbotek
	• the additional testing shall be performed on all the test specimens as described in EN 60384-14;	Anborek Anborek Anborek	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.	Anbotek Anbotek Anbotek	Anbo







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rick	IEC62368_1D - ATTAC	HMENT	-oV
Clause	Requirement + Test	Result - Remark	Verdict
Ann	Dotek Anbo	An tek abatek Ar	100
5.5.2.1	Norway	rek Anbor Ar otek	N/A
	After the 3rd paragraph the following is added:	otek Anbotek Anbo	botek
	Due to the IT power system used, capacitors are	bo k botek Anbote	VUL
	required to be rated for the applicable line-to-line voltage (230 V).	Anboten Anb	Anbo
potek P	40, 164, 160, M. A	Potek Buport VIII	J
5.5.6	Finland, Norway and Sweden	And stek anbotek Anbo	N/A
Aupo.	To the end of the subclause the following is added:	Anbo. K Andek An	Octo.
	Resistors used as <b>basic safeguard</b> or bridging	ek Anbotek Anb	-botek
	basic insulation in class I pluggable equipment	k wotek Anbote	YUL YEK
AUD	<b>type A</b> shall comply with G.10.1 and the test of G.10.2.	pote. And tek spotek	Aupo,
ECA Anbo	Di Pirita Pote Any	abotek Anhors An	NI/A
5.6.1	Denmark	And tek Anbotek Anbo	N/A
	Add to the end of the subclause	Anbo. K Anboth	bu.
	Due to many existing installations where the	Anboren Anb	otek
	socket-outlets can be protected with fuses with higher rating than the rating of the socket-outlets	k kotek Anbote An	re/F
	the protection for pluggable equipment type A shall	And Lek botek	upo,
	be an integral part of the equipment.	otek Anbore An	nbotek
	Justification:	tek abotek Anbo	h.
	In Denmark an existing 13 A socket outlet can be	Anbore All otek Anboren	And
oter Ar	protected by a 20 A fuse.	abotek And	true 1
5.6.4.2.1	Ireland and United Kingdom	Potek Anbote And	N/A
	After the indent for <b>pluggable equipment type A</b> ,	And tek abotek And	0. /
Anboro	the following is added:	Anbore An stek	aboten
	- the <b>protective current rating</b> is taken to be 13	tek shotek Anbo	hotek
	A, this being the largest rating of fuse used in the	o' Anbote	And
Anbo	mains plug.	upoter Anbo	Aupore
5.6.5.1	To the second paragraph the following is added:	hotek Anbote And	N/A
	The range of conductor sizes of flexible cords to	Anto ak botek Anbo	bu.
	be accepted by terminals for equipment with a	Anbore Ann rek abr	ier b
	rated current over 10 A and up to and including 13 A is:	- abotek Anbo, Ar	-otek
	1,25 mm <sup>2</sup> to 1,5 mm <sup>2</sup> in cross-sectional area.	All otek suboter A	O. C.
rupo.	aigh Mho h	tok tupo by hotok	Arbote.
5.7.5	Denmark	wotek Anbote And	N/A
	To the end of the subclause the following is added:	ok work Anbore	bir.
	The installation instruction shall be affixed to the	Anbore And tek aborek	Anbo
botek	equipment if the protective conductor current	abotek Anbor An	ek or
V	exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	Arr. W motor Anbo	1







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	IEC62368_1D - ATTAC	HMENT	
Clause	Requirement + Test	Result - Remark	Verdict
5.7.6.1	Norway and Sweden	ek abotek Anbatek Ar	N/A
Ar. hotel	To the end of the subclause the following is added:	ak hotek Anboten	Anburgek
	The screen of the television distribution system is normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building. Therefore the protective	Anbo ak botek Anbor	Aupot,
	earthing of the building installation needs to be isolated from the screen of a cable distribution system.	Arbotek Anbotek Anbotek Anbo	botek botek
	It is however accepted to provide the insulation external to the equipment by an adapter or an interconnection cable with galvanic isolator, which may be provided by a retailer, for example.	potek Anbotek Anbotek	Anbotek Anbote
	The user manual shall then have the following or similar information in Norwegian and Swedish language respectively, depending on in what country the equipment is intended to be used in:	Anbotek Anbotek Anbotek Anbot	otek Pup
	"Apparatus connected to the protective earthing of the building installation through the mains connection or through other apparatus with a connection to protective earthing – and to a	otek Anbotek Anbotek	Anbotek Anbotek
	television distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a television distribution system therefore has to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	otek Anbrek
	11)"  NOTE In Norway, due to regulation for CATV-installations, and in Sweden, a galvanic isolator shall provide electrical insulation below 5 MHz. The insulation shall withstand a dielectric strength of 1,5 kV r.m.s., 50 Hz or 60 Hz, for 1 min.	otek Anbotek Anbotek Inbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
	Translation to Norwegian (the Swedish text will also be accepted in Norway):	Anborek Anbore Anb	olek bi
	"Apparater som er koplet til beskyttelsesjord via nettplugg og/eller via annet jordtilkoplet utstyr – og er tilkoplet et koaksialbasert kabel-TV nett, kan forårsake brannfare. For å unngå dette skal det ved tilkopling av apparater til kabel-TV nett installeres en galvanisk isolator mellom apparatet og kabel-TV nettet."	hek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek Anbotek
	Translation to Swedish:	Aupoter Aupo W.	ARK AN
	"Apparater som är kopplad till skyddsjord via jordat vägguttag och/eller via annan utrustning och samtidigt är kopplad till kabel-TV nät kan i vissa fall medföra risk för brand. För att undvika detta skall vid anslutning av apparaten till kabel-TV nät	Arr tek anbotek Ar	Anbotek Anbotek
	galvanisk isolator finnas mellan apparaten och kabel-TV nätet.".	Anbotek Anbotek Anbotek	Anbort







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otek .	IEC62368_1D - ATTAC	HMENT	ok ok
Clause	Requirement + Test	Result - Remark	Verdict
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	tek Anbotek Anbotek Anbotek Anbotek	N/A
botek h	protective current exceed the limits of 3,5 mA.	Anborek Anborek Anbore	N Ant
B.3.1 and B.4	Ireland and United Kingdom The following is applicable:	Anbotek Anbotek Anbo	N/A
Anbotek Anbotek Anbotek Anbotek	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	ek Anbotek Anbotek  Anbotek Anbotek	Anbotek Anbotek Anbotek Anbotek
G.4.2	B.3.1 and B.4 are met  Denmark	ik Anborek Anborok	N/A
Anbot Anbot	To the end of the subclause the following is added: 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.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbore Anbore
	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.	Anbotek Anbotek Anbotek Anbotek Anbotek	nbotek 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.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anboren Anbo
	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.	tek Anbotek Anbotek Anbotek	Anbotek Anbotek
	Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c.	Anbotek Anbotek Anbotek	Anbore
	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	ek Anbotek Anbotek Anbotek Anbo	potek An
Anbotel	Justification: Heavy Current Regulations, Section 6c	hotek Anbotek Anbore	Anbotek







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	IEC62368_1D - ATTA	CHMENT	
Clause	Requirement + Test	Result - Remark	Verdict
Anbo	Totek Anbore Anti-	Ante ak potek An	/por
G.4.2	United Kingdom	orek Anbore Anti-	N/A
	To the end of the subclause the following is added	tek abotek Anbo.	P. Potek
	The plug part of direct plug-in equipment shall be	Albor Andrek Anborer	Ano
	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,	Anboten Anbo sek shotek	Aupo
	except that the test of 12.17 is performed at not	botek Anbore An	ek 60
otek.	less than 125 °C. Where the metal earth pin is	Ant otek Anbotek Anbo	V-
Anbo	replaced by an Insulated Shutter Opening Device	Anbo ok hotek An	oolo
Anbore	(ISOD), the requirements of clauses 22.2 and 23 also apply.	otek Anbores And	abotek
0 - 4 00000	Plus Fex VPO, Dr.	rek obotek popo,	71030V
G.7.1	United Kingdom	urbotek Anbotek	N/A
	To the first paragraph the following is added:	Anborek Anbo	Anbor
	Equipment which is fitted with a flexible cable or cord and is designed to be connected to a mains	botek Anbore An	100 4
	socket conforming to BS 1363 by means of that	And otek Anbotek Anbo	- o/e
	flexible cable or cord shall be fitted with a 'standard		Office
	plug' in accordance with the Plugs and Sockets etc (Safety) Regulations 1994, Statutory Instrument	Stak Anbote Ann	abotek
abotek	1994 No. 1768, unless exempted by those	tek abotek Anbo	worek.
h. h.o.	regulations.	hoo. A hotek Anbore.	And
Anb	NOTE "Standard plug" is defined in SI 1768:1994 and	unbotek Anb	Anbor
otek M	essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	abotek Anbore An otel	dnb
G.7.1	Ireland	Potek Aupoten Aupo	N/A
	To the first paragraph the following is added:	And tek abotek And	p. 7
	Apparatus which is fitted with a flexible cable or	tek Anbor All otek	hboter
anbotek	cord shall be provided with a plug in accordance	otek Anboten Anbo	aborek
	with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use	ice abovek Aupore	Pir.
	Regulations: 1997. S.I. 525 provides for the	Anbore Ant otek Anborek	Aupo
otek bu	recognition of a standard of another Member State	anbotek Anbo. Ak hotek	Anbo
Yele	which is equivalent to the relevant Irish Standard	Anbores Anb	ek .
G.7.2	Ireland and United Kingdom	And stek anbotek Anbo	N/A
	To the first paragraph the following is added:	e Anbor All worker	boter
Anbotek	A power supply cord with a conductor of 1,25 mm <sup>2</sup>		spotek
, both	is allowed for equipment which is rated over 10 A	ok botek Anbore	bu. otek
Vur	and up to and including 13 A.	apport And ak botek	AUPO





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Troudero	Page 36 01 04 Report No. 16220 VC30	00255055
	IEC62368_1D - ATTACHMENT	
Clause	Requirement + Test Result - Remark	Verdict
Anbo	otek uppore And ok those And was stek M	100,0
ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)	N/A
10.5.2	Germany Anbore Anbore Anbore Anbore Anbore	N/A
.V. w.C	The following requirement applies:	Direc
ie. Vur.	For the operation of any cathode ray tube intended	Anbo
stek a	for the display of visual images operating at an	1/4
100 K	acceleration voltage exceeding 40 kV,	by.
anbotel	authorization is required, or application of type	MONEK
r. otek	approval (Bauartzulassung) and marking.	Lak-
Anbe	Justification:	Aupor
anboten	German ministerial decree against ionizing	hotek
par par	radiation (Röntgenverordnung), in force since	Ann
Sk Aupo	2002-07-01, implementing the European Directive	Aupor
Yes.	96/29/EURATOM.	4
bo, bi	NOTE Contact address:  Physikalisch-Technische Bundesanstalt, Bundesallee 100,	Vu,
botek	D-38116 Braunschweig,	rek
All	Tel.: Int +49-531-592-6320,	V
abore	Internet: http://www.ptb.de	"Oler



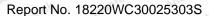
### Attachment 1: Photo













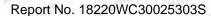
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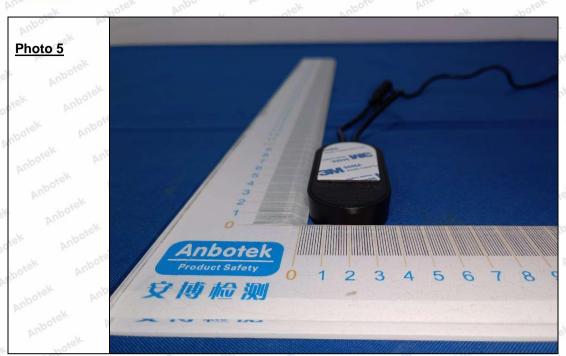








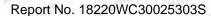
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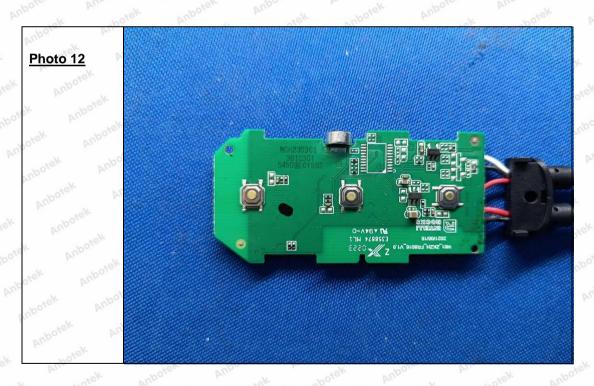












\*\*\*End of the report\*\*\*

## **Shenzhen Anbotek Compliance Laboratory Limited**

Hotline

