

**Address** 

Report No.: 18220WC40018703S

# 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, 518000, China

Product Name : Govee TV Backlight 3 Lite/Govee Smart TV

**Backlight 3S** 

Report Date : Mar. 07, 2024

Shenzhen Anbotek

Shenzhen Anbotek

Anbotek

Product Salery

Approved \*

Appro







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Report No. 18220WC40018703S

# TEST REPORT IEC 62368-1

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

Report Number....: 18220WC40018703S

Date of issue .....: Mar. 07, 2024

Total number of pages .....: 91 pages

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

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

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

Shenzhen, 51800, China

Test specification:

Anbotek

Standard .....: IEC 62368-1: 2018

EN IEC 62368-1:2020+A11:2020

Test procedure.....: Type Test

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

#### General disclaimer:

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

This report shall not be reproduced, except in full, without the written approval of the Issuing Shenzhen Anbotek Compliance Laboratory Limited. The authenticity of this Test Report and its contents can be verified by Shenzhen Anbotek Compliance Laboratory Limited, responsible for this Test Report.

Testing pro	ocedure and testing location:	
$\boxtimes$	Testing Laboratory:	Shenzhen Anbotek Compliance Laboratory Limited
Testing loca	tion/ address:	1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102
tek Anbote	Tested by (name + signature) .	ctlo Guo
Anbotek Anbotek Anbotek	Approved by (name + signature	lim Sm







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Test item description		
Trade Mark:	Govee	
Manufacturer:	Same as applicant	
Model/Type reference:	H6099, H6098, H6098B, H6098C	
Ratings:	Input: 12.0V-2.0A or 12.0V-3.0A	

# Tests performed (name of test and test clause):

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

Electrical safety

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

#### **Testing location:**

Shenzhen Anbotek Compliance Laboratory Limited

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102

List of countries addressed: EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

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

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

⊠No decision rule is specifie	ed by the IEC stan	dard, when con	nparing the mea	asurement res	sult with the
applicable limit according to the	he specification in	that standard.	The decisions	on conformity	are made
without applying the measure	ement uncertainty	("simple accept	ance" decision	rule, previous	ly known as
"accuracy method").					

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

#### Information on uncertainty of measurement:

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

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

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











Anbotek
Product Safety

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 TV Backlight 3 Lite

H6099

Ratings: Input: 12.0V-2.0A or 12.0V-3.0A



Shenzhen Qianyan Technology LTD

No. 3301, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian Avenue, Xili Community, Xili Street, Nanshan District, Shenzhen, 51800, China

Govee

Govee Smart TV Backlight 3S

H6098

Ratings: Input: 12.0V-2.0A or 12.0V-3.0A



Shenzhen Qianyan Technology LTD No. 3301, Block C, Section 1, Chuangzhi Yuncheng Building, Liuxian Avenue, Xili Community, Xili Street, Nanshan District, Shenzhen, 51800, China

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



Hotline

www.anbotek.com.cn

400-003-0500



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Test item particulars:	Anbores Anto tek Anborek Anborek
Product group	☐ end product ☐ built-in component
Classification of use by:	☐ Ordinary person ☐ Children likely present ☐ Instructed person
ek Aupo, ak Pin Potek Aupote	Skilled person
Supply connection	☐ AC mains ☐ DC mains ☐ not mains connected: ☐ ES1 ☐ ES2 ☐ ES3
Supply tolerance:	+10%/-10%
Anbotek Anbotek Anbotek Anb	+20%/-15% +25%/- <u>15</u> %
ek Anbore All hotek Anboren A	None
Supply connection – type	☐ pluggable equipment type A - ☐ non-detachable supply cord ☐ appliance coupler ☐ direct plug-in
Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	☐ pluggable equipment type B - ☐ non-detachable supply cord ☐ appliance coupler ☐ permanent connection
otek Anbotek Anbotek Anbotek	mating connector other: Not directly connected to mains
Considered current rating of protective device:	N/A (Not directly connected to mains)  Installation location: building; equipment
Equipment mobility:	☐ movable       ☐ hand-held       ☐ transportable         ☐ stationary       ☒ for building-in       ☐ direct plug-in         ☐ rack-mounting       ☐ wall-mounted
Overvoltage category (OVC):	☐ OVC I ☐ OVC II ☐ OVC III ☐ OVC IV ☐ other:(Not directly connected to mains)
Class of equipment:  Special installation location:	☐ Class II ☐ Class III ☐ Not classified ☐ ☐ N/A ☐ restricted access area
opecial installation location	outdoor location
Pollution degree (PD):	□ PD 1 □ PD 3
Manufacturer's specified T <sub>ma</sub> :	40°C  Outdoor: minimum °C
IP protection class:	□ IPX0 □ IP65
Power systems:	☐ TN ☐ TT ☐ IT - V <sub>L-L</sub> ☐ not AC mains ☐ 2000 m or less ☐ m
Altitude during operation (m):	ok hore Am
Altitude of test laboratory (m):	☐ 2000 m or less ☐ 500 m
Mass of equipment (kg):	Approx. 0.420 kg





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#### Possible test case verdicts:

- 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:

Date of receipt of test item ...... 2023-09-05

#### General remarks:

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

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

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

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

#### General product information and other remarks:

- 1.The Maximum operating temperature is 40°C.
- 2. The Clause 10(RADIATION) was not valued in this report accord to requirement of manufacturer
- 3.As specified by the client, all the results in this report were quoted from report 18220WC30196603S
- 4.All models are identical except for model names and exterior dimensions. Unless otherwise indicated, the "H6099" model was selected as the representative model for all tests
- Model differences are as follows:

Product Name	Model No.	Length of light string	Camera	Input
Govee TV	H6099	3.6m	96mm	12VDC,2A
Backlight 3Lite	пооээ	5m	135mm	12VDC,3A
Andrek	Anbotel A	3.6m	96mm	12VDC,2A
Her Anbustek	H6098	Anber 5m Hotek	135mm	12VDC,3A
Govee Smart TV	ek abotek	Ambon 5m	135mm	12VDC,3A
Backlight 3S	H6098B	3.6m	96mm	12VDC,2A
anbotek An	H6098C	ak Am 5m Am	135mm	12VDC,3A
anbotek	1100900	5m	135mm	12VDC,3A



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OVERVIEW OF ENERGY SOU	T			
Clause	Possible Hazard			
5	Electrically-caused injury			
Class and Energy Source	Body Part		Safeguards	1
(e.g. ES3: Primary circuit)	(e.g. Ordinary)	В	S	R
ES1: All Internal circuits	Ordinary person, Instructed	N/A	N/A	N/A
ES1: DC input	person, Skilled person	ek Anbu	Anbotek	Anbore
6	Electrically-caused fire			
Class and Energy Source	Material part		Safeguards	
(e.g. PS2: 100 Watt circuit)	(e.g. Printed board)	В	1 <sup>st</sup> S	2 <sup>nd</sup> S
PS2: All Internal circuits	Internal combustible material/ internal plastic enclosure	For "N" and "A" conditions:  1, No ignition occurred.	For "S" condition:  1, PCB is complied with V-0 material.	Enclosure is complied with HB material.
	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek botek Anbotek Anbotek botek Anbotek Anbotek	2, No parts exceeding 90% of its spontaneous ignition temperature.	2, All other components: at least V-2 except for mounted on min. V-1 material or small parts of combustible material.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
7	Injury caused by hazardous	substances		
Class and Energy Source	Body Part		Safeguards	
(e.g. Ozone)	(e.g., Skilled)	В	S	R
N/A	N/A MODO	N/A	N/A	N/A
8	Mechanically-caused injury			N. C.
Class and Energy Source	Body Part		Safeguards	
(e.g. MS3: Plastic fan blades)	(e.g. Ordinary)	В	S	R
MS1: Rounded edges and corners of accessible parts	Ordinary person, Instructed person, Skilled person	N/A	N/A	N/A
MS1: Product mass	Ordinary person, Instructed person, Skilled person	N/A	N/A	N/A
MS3: Installation height>2m	Ordinary person, Instructed person, Skilled person	N/A	N/A	See 8.7







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9	Thermal burn					
Class and Energy Source	nd Energy Source Body Part		Safeguards			
(e.g. TS1: Keyboard caps)	(e.g., Ordinary)	В	S	R		
TS1: Accessible parts	Ordinary person, Instructed person, Skilled person	N/A	N/A	N/A		
10	Radiation					
Class and Energy Source	Body Part		Safeguards			
(e.g. RS1: PMP sound output)	(e.g., Ordinary)	В	S	R		
N/A	N/A	N/A	N/A	N/A		
Supplementary Information: "B" – Basic Safeguard; "S" – Su	ıpplementary Safeguard; "R" –	- Reinforced Saf	eguard	ipotek Aut		
" " Ven Vup.	ENERGY SOURCE DIA	AGRAM	- Ofer-	VUD		
Optional. Manufacturers are to identifying the demarcations are power supply and multipart systems.	provide the energy sources dia between power sources. Reco	gram identify de				
Insert diagram below. Example diagram designs are; Block diagrams; image(s) with layered data; mechanical drawings						
ak hotek Anboten	Anbotek Anbotek	Anboro	hotek.	Anboten A		
	ES 🛛 PS 🖂 MS	⊠ TS □ R	S And work			



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work.	Anbotek Anbo	IEC 62368-1	And Anbotek	Aupo.
Clause	Requirement + Test	Anborek Anbore	Result - Remark	Verdict

P P P
Alboten Pek
Note N
NI/A
N/A
N/A
N/A
Thore P
Aup. P.k
PΡ
Prup
N/A
N/A
r N/A
N/A
N/A
N/A
N/A
nbotek P
N/A
N/A
N/A
N/A
ibote <sup>k</sup> P
N/A
AnbBiek
<b>P</b> /por
ek P M
ookelk P







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worek.	Anbotek Anbot	IEC 62368-1	Amb wotek Ambotek	Aupo.
Clause	Requirement + Test	botek Anbote	Result - Remark	Verdict

Anbotel	Anbotek Anbotek Anbotek Anbotek	no safeguard affected by conductor displacement.	Vupo.
iek nab	Compliance is checked by test:	otek Anbotek Anbo	N/A
4.7	Equipment for direct insertion into mains socket-	-outlets	N/A
4.7.2	Mains plug part complies with relevant standard:	Not direct plug-in equipment.	N/A
4.7.3	Torque (Nm)	Aupo ek apotek	N/A
4.8	Equipment containing coin/button cell batteries	Aupo, W. Posek	N/A
4.8.1	General	No coin/button cell batteries used	N/A
4.8.2	Instructional safeguard:	inbo lek abotek Anbo	N/A
4.8.3	Battery compartment door/cover construction	Anbor Ar botek Ar	N/A
Aupor	Open torque test	Anbor An hotek	N/A
4.8.4.2	Stress relief test	Aupore Aug Potek	N/A
4.8.4.3	Battery replacement test	tek Anbore And otek	N/A
4.8.4.4	Drop test	hotek Anbotes And	N/A
4.8.4.5	Impact test	hotek Anbotek Anbo	N/A
4.8.4.6	Crush test	Ant otek anbotek An	N/A
4.8.5	Compliance	And otek Anbotek	N/A
Anbo	30N force test with test probe	Anbo rek anborek	N/A
Aupo	20N force test with test hook	lek Anbo sek abotek	N/A
4.9 Anbo	Likelihood of fire or shock due to entry of conduction	ctive object	N/A N
4.10	Component requirements	anbotek Anbote Am	N/A
4.10.1	Disconnect Device	Anbotek Anbote An	N/A
4.10.2	Switches and relays	Anbote.	N/A

5	ELECTRICALLY-CAUSED INJURY  Classification and limits of electrical energy sources		Bupon
5.2			P Anb
5.2.2	ES1, ES2 and ES3 limits	ES1	stell P
5.2.2.2	Steady-state voltage and current limits	(See appended table 5.2)	P
5.2.2.3	Capacitance limits	No capacitance limits introduced	N/A
5.2.2.4	Single pulse limits	No single pulse introduced	N/A
5.2.2.5	Limits for repetitive pulses	No repetitive pulses introduced	N/A







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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Anba	Anbotek Anbor Anbotek Anbotek	Anbotek Anbotek	Vupo,
5.2.2.6	Ringing signals	No means for connection to telephone network and no ringing signal generated	N/A
5.2.2.7	Audio signals	Anbo. All shotek Anbr	N/A
5.3	Protection against electrical energy sources	Anbore An hotek A	ipoten
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	Anbotek Anbotek	Anb Pek
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	No such circuit	P
5.3.1 b)	Skilled persons not unintentional contact ES3 bare conductors	No such circuit	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Anbotek Anbotek An	N/A
Yupo, ok	Accessibility to outdoor equipment bare parts	Anbor ak hotek	N/A
5.3.2.2	Contact requirements	Aupote K Potek	N/A
Anbore	Test with test probe from Annex V	N/A	_
5.3.2.2 a)	Air gap – electric strength test potential (V):	botek Anbotek Anb	≫ N/A
5.3.2.2 b)	Air gap – distance (mm):	botek Anbotes Anbo	N/A
5.3.2.3	Compliance	And Anbotek An	N/A
5.3.2.4	Terminals for connecting stripped wire	Anto otek Anbotek	N/A
5.4	Insulation materials and requirements	And stek anbotek	W.B.
5.4.1.2	Properties of insulating material	len Anboarek	Rab
5.4.1.3	Material is non-hygroscopic	botek Anbo tek abote	P
5.4.1.4	Maximum operating temperature for insulating materials:	(See appended table 5.4.1.4)	ote* P
5.4.1.5	Pollution degrees	Anto stek anbotek	N/A
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	ek Anbotek Anbotek	N/A
5.4.1.5.3	Thermal cycling test	otek anbotek Anbote	N/A
5.4.1.6	Insulation in transformers with varying dimensions	No such transformer within the EUT	N/A
5.4.1.7	Insulation in circuits generating starting pulses	No circuits generating starting pulses	N/A
5.4.1.8	Determination of working voltage:	Anbotek Anbo.	N/A
5.4.1.9	Insulating surfaces	k anbotek Anbot	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	otek Anbotek Anboro	N/A
	The second secon	10	

# **Shenzhen Anbotek Compliance Laboratory Limited**

Vicat test......

5.4.1.10.2





N/A



	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Anb	Anborek Anbor Anborek Anborek	Anto otek anbotek	Vupo,
5.4.1.10.3	Ball pressure test:	Anbo stek Anbotek	N/A
5.4.2	Clearances	Class III equipment.	N/A
5.4.2.1	General requirements	supotek Aupa, tek up.	N/A
botek p	Clearances in circuits connected to AC Mains, Alternative method	(See Annex X)	N/A
5.4.2.2	Procedure 1 for determining clearance	And otek Anbotek	N/A
Anbo	Temporary overvoltage	N/A Mark Market	_
5.4.2.3	Procedure 2 for determining clearance	otek Anbo tek abotek	N/A
5.4.2.3.2.2	a.c. mains transient voltage	N/A	_
5.4.2.3.2.3	d.c. mains transient voltage	N/A	_
5.4.2.3.2.4	External circuit transient voltage:	N/A	_
5.4.2.3.2.5	Transient voltage determined by measurement:	N/A	_
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	tek Anbotek Anbotek	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	hotek Anbotek Anbot	N/A
5.4.2.6	Clearance measurement:	Anbotek anbotek An	N/A
5.4.3	Creepage distances	Class III equipment.	N/A
5.4.3.1	General	Aupa, by upotek	N/A
5.4.3.3	Material group	N/A	_
5.4.3.4	Creepage distances measurement	potek Auport Au	N/A
5.4.4	Solid insulation	anbotek Anbott Att	N/A
5.4.4.1	General requirements	abotek Anbote Am	N/A
5.4.4.2	Minimum distance through insulation	abotek Anbote	N/A
5.4.4.3	Insulating compound forming solid insulation	ak hotek Anboter	N/A
5.4.4.4	Solid insulation in semiconductor devices	-k hotek Anboten	N/A
5.4.4.5	Insulating compound forming cemented joints	poter And Totek Anbote	N/A
5.4.4.6	Thin sheet material	Anbote And atek and	N/A
5.4.4.6.1	General requirements	Anboren Anbo	N/A
5.4.4.6.2	Separable thin sheet material	Anbotek Anbo.	N/A
nbotek	Number of layers (pcs)	k Vupotek Vupo,	N/A

5.4.4.6.3



N/A

N/A

Non-separable thin sheet material

Number of layers (pcs) .....:



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worek	IEC 62368-1	motek Anbore An	yek.
Clause	Requirement + Test	Result - Remark	Verdict
Anbs	Anbotek Anbors Anbotek Anbotek	-k hotek Anbotek	Aupor
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	botek Anbote. And	N/A
5.4.4.7	Solid insulation in wound components	Anbotek Anboten Anb	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz, <i>E</i> <sub>P</sub> , <i>K</i> <sub>R</sub> , <i>d</i> , <i>V</i> <sub>PW</sub> (V)	Anbotek Anbotek A	N/A
Anbore	Alternative by electric strength test, tested voltage (V), K <sub>R</sub>	Anbores Anborek	N/A
5.4.5	Antenna terminal insulation	No such terminal	N/A
5.4.5.1	General	upor K Ann otek Anbo	N/A
5.4.5.2	Voltage surge test	Anbores And Stek	N/A
5.4.5.3	Insulation resistance (MΩ):	Anbotel Anto tek	N/A
anbotek	Electric strength test:	Anborek Anbo	N/A
5.4.6	Insulation of internal wire as part of supplementary safeguard	tek Anboten Anbotek	N/A
5.4.7	Tests for semiconductor components and for cemented joints	botek Anbotek Anbot	N/A
5.4.8	Humidity conditioning	Anbotek Anbotek An	N/A
Anbotek	Relative humidity (%), temperature (°C), duration (h)	N/A Andrew	_
5.4.9	Electric strength test	ek Anbore. And otek	N/A
5.4.9.1	Test procedure for type test of solid insulation:	hotek Anboten Anbo	N/A
5.4.9.2	Test procedure for routine test	botek Anbotek Anbo	N/A
5.4.10	Safeguards against transient voltages from external circuits	Anbotek Anbotek Ani	N/A
5.4.10.1	Parts and circuits separated from external circuits	Anbotek Anbo	N/A
5.4.10.2	Test methods	ek Aupotek Aupo	N/A
5.4.10.2.1	General	otek Anbotek Anbo	N/A
5.4.10.2.2	Impulse test	otek Anbotek Anbor	N/A
5.4.10.2.3	Steady-state test	And tek abotek And	N/A
5.4.10.3	Verification for insulation breakdown for impulse test	Anbotek Anbotek	N/A
5.4.11	Separation between external circuits and earth	k Anbotek Anbot	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	otek Anbotek Anbotel	N/A
de Ya	by View View	rek por	

# **Shenzhen Anbotek Compliance Laboratory Limited**

Requirements

5.4.11.2





N/A



	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Anbonitek	Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek	Vupo,
Anbot	SPDs bridge separation between external circuit and earth	otek Anbotek Anbotek	N/A
ek An'	Rated operating voltage U <sub>op</sub> (V):	N/A	_
otek	Nominal voltage U <sub>peak</sub> (V):	N/A MOONE AND AND	_
notek	Max increase due to variation ΔU <sub>sp</sub> :	N/A	_
Pur Potek	Max increase due to ageing ΔUsa:	N/A	_
5.4.11.3	Test method and compliance:	And otek anbotek	N/A
5.4.12	Insulating liquid	No Insulating liquid	N/A
5.4.12.1	General requirements	upoter Ando tek upo	N/A
5.4.12.2	Electric strength of an insulating liquid:	Anbotek Anbo. Ar.	N/A
5.4.12.3	Compatibility of an insulating liquid:	Anbotek Anbote An	N/A
5.4.12.4	Container for insulating liquid:	Anborek Anbor	N/A
5.5 <sub>abote</sub>	Components as safeguards	tek nbotek Anbote	N/A
5.5.1	General	ak abotek Anbores	N/A
5.5.2	Capacitors and RC units	hbote Anbor	N/A
5.5.2.1	General requirement	Anbore An Motek An	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	Anborek Anborek	N/A
5.5.3	Transformers	No such component.	N/A
5.5.4	Optocouplers	No such component.	N/A
5.5.5	Relays	No such component.	N/A
5.5.6	Resistors	Anbores Ann	N/A
5.5.7	SPDs Andrew Andrew	Anboren Anbo	N/A
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable:	Anbotek Anbotek	N/A
5.5.9	Safeguards for socket-outlets in outdoor equipment	Not such equipment.	N/A
Vupo	RCD rated residual operating current (mA):	N/A	_
5.6	Protective conductor	Anbotek Anbor hek ab	N/A
5.6.2	Requirement for protective conductors	Anbotek Anbou An	N/A
5.6 otek	Protective conductor	anbotek Anbote	N/A
5.6.2	Requirement for protective conductors	ek spotek Anboter	N/A
5.6.2.1	General requirements	sek botek Anboten	N/A
5.6.2.2	Colour of insulation	tor Ann stek subotel	N/A

# **Shenzhen Anbotek Compliance Laboratory Limited**

5.6.3





N/A

Requirement for protective earthing conductors



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worek.	Anbotek Anbou	IEC 62368-1	Anbotek Anbotek	Aupo, rek
Clause	Requirement + Test	Anborek Anbore	Result - Remark	Verdict

407	All told told	K hor Air	_10
Am	Protective earthing conductor size (mm²):	N/A	_
iek Ant	Protective earthing conductor serving as a reinforced safeguard	otek Anbotek Anbote	N/A
ibotek	Protective earthing conductor serving as a double safeguard	Anbotek Anbotek Ank	N/A
5.6.4	Requirements for protective bonding conductors	Anbore And Lotek	N/A
5.6.4.1	Protective bonding conductors	Anbore And	N/A
Aupote	Protective bonding conductor size (mm²):	N/A	_
5.6.4.2	Protective current rating (A):	botek Anbotek Anbo	N/A
5.6.5	Terminals for protective conductors	in otek anbotek Anbe	N/A
5.6.5.1	Terminal size for connecting protective earthing conductors (mm):	Anbotek Anbotek Ar	N/A
Anbotek	Terminal size for connecting protective bonding conductors (mm):	Anbotek Anbotek	N/A
5.6.5.2	Corrosion	k hotek Anbotek	N/A
5.6.6	Resistance of the protective bonding system	abote. And atek ambot	N/A
5.6.6.1	Requirements	Anbores And	N/A
5.6.6.2	Test Method	Anbotek Anbo tek	N/A
5.6.6.3	Resistance $(\Omega)$ or voltage drop:	Anbotek Anbo	N/A
5.6.7	Reliable connection of a protective earthing conductor	lek Anbotek Anbotek	N/A
5.6.8	Functional earthing	boter. And stek Anbote	N/A
otek An	Conductor size (mm²):	Anbotek Anbo tek no	N/A
nborek	Class II with functional earthing marking:	Anbotek Anbo. Lek	N/A
anbotek	Appliance inlet cl & cr (mm):	Anborek Anbo.	N/A
5.7 potek	Prospective touch voltage, touch current and pro	otective conductor current	N/A
5.7.2	Measuring devices and networks	tak abotek Anbote	N/A
5.7.2.1	Measurement of touch current	po. W. Posek Wupose	N/A
5.7.2.2	Measurement of voltage	Anbors All hotek Ant	N/A
5.7.3	Equipment set-up, supply connections and earth connections	Anborek Anborek	N/A
5.7.4	Unearthed accessible parts:	(See appended table 5.7.4)	N/A
5.7.5	Earthed accessible conductive parts:	(See appended table 5.7.5)	N/A
5.7.6	Requirements when touch current exceeds ES2 limits	ototek Anbotek Anbote	N/A
-	The state of the s	D1" 10" 10"	







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work.	Anbotek Anbot	IEC 62368-1	Anbotek Anbotek	Aupor
Clause	Requirement + Test	Anbotek Anbote	Result - Remark	Verdict

	Protective conductor current (mA):	Ann otek Anbotek	N/A
Anb	Instructional Safeguard:	oter And otek Anbote	N/A
5.7.7	Prospective touch voltage and touch current associated with external circuits	Anbotek Anbotek Anb	N/A
5.7.7.1	Touch current from coaxial cables	Ann Anbotek	N/A
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	Anbotek Anbotek	N/A
5.7.8	Summation of touch currents from external circuits	otek Anboten Anbo	N/A
ek Anb	a) Equipment connected to earthed external circuits, current (mA)	inbotek Anbotek Anbo	N/A
pote <sup>k</sup> p	b) Equipment connected to unearthed external circuits, current (mA):	Anbotek Anbotek A	N/A
5.8	Backfeed safeguard in battery backed up supplie	es hotek Anbotek	N/A
Vu.	Mains terminal ES	Ann Jotek Anbotek	N/A
VUPO	Air gap (mm):	the Ante	N/A

6	ELECTRICALLY- CAUSED FIRE		ote <sup>K</sup> P
6.2	Classification of PS and PIS	Vupotek Vupo. W.	100 P/
6.2.2	Power source circuit classifications	(See appended table 6.2.2)	Potek
6.2.3	Classification of potential ignition sources	ek abotek Anbote	P
6.2.3.1	Arcing PIS	lok botek Anbote	N/A
6.2.3.2	Resistive PIS	(See appended table 6.2.3.2)	P AT
6.3	Safeguards against fire under normal operating a conditions	nd abnormal operating	o <sup>tek</sup> P
6.3.1	No ignition and attainable temperature value less than 90 % defined by ISO 871 or less than 300 °C for unknown materials:	(See appended table B.1.5 and B.3)	Anbotek Anbotek
s abot	Combustible materials outside fire enclosure:	otek Anbotek Anbo	N/A
6.4	Safeguards against fire under single fault condition	ons tek hopotek Anbor	P
6.4.1	Safeguard method	Method of Reduction of the likelihood of ignition under single fault conditions and control fire spread used	nbotek nbotek
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	k Anbotek Anbotek	N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	upotek Aupotek Aupote	b Vur







6.4.7.3

6.4.8.2

6.4.8.2.1

6.4.8.2.2

6.4.8.3.5

6.4.8.3

6.4.8

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	Page 17 of 91	Report No. 18220WC4	i0018703
botek.	IEC 62368-1	Antotek Anbotek Anb	rek.
Clause	Requirement + Test	Result - Remark	Verdict
Anbatak	Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek	Anbore
6.4.3.1	Supplementary safeguards	Ans otek Anbotek	B/p <sub>c</sub>
6.4.3.2	Single Fault Conditions:	(See appended table B.4)	. P M
Sk Vup	Special conditions for temperature limited by fuse	Anbotek Anbo	N/A
6.4.4	Control of fire spread in PS1 circuits	anbotek Anbo. Ak	N/A
6.4.5	Control of fire spread in PS2 circuits	upotek Anbot A	Rek
6.4.5.2	Supplementary safeguards	Compliance detailed as follows:  All printed board: rated V-0 Plastic enclosure: rated HB All other components or parts: at least V-2 except for part mounted on V-0 material or small parts of combustible material (with mass less than 4g) or components complying to relevant IEC standard.	P Anborek Anborek Anborek
6.4.6	Control of fire spread in PS3 circuits	upotek Aupo, ak apot	≫ N/A
6.4.7	Separation of combustible materials from a PIS	abotek Anbota Art	N/A
6.4.7.2	Separation by distance	Projek Aupole Au	N/A
3	400	DAY LEAVE	200

-otek	and a fire barrier	Anbo. K			142
6.4.8.3.1	Fire enclosure and fire barrier openings	Anbore	Ann otek	anbotek	N/A
6.4.8.3.2	Fire barrier dimensions	Anbot	And	k Anbotek	N/A
64833	Ton openings and properties	V	oter Anbo	746	N/A

**Shenzhen Anbotek Compliance Laboratory Limited** 

Separation by a fire barrier

Fire enclosures and fire barriers

Requirements for a fire barrier

Requirements for a fire enclosure

Fire enclosure and fire barrier material properties

Constructional requirements for a fire enclosure

Openings dimensions (mm).....:

Openings dimensions (mm).....:

Hotline 400-003-0500 www.anbotek.com.cn

No such barrier used

Fire enclosure: HB

No such opening



N/A P

N/A

Ρ

N/A

N/A

N/A

N/A

Side openings and properties



6.5.2

6.5.3

6.6

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N/A

N/A

test method and testing condition equal to IEC/EN

See appended table 4.1.2

60695-11-21.

Lotek	IEC 62368-1	Anborek Anbore And	*eK
Clause	Requirement + Test	Result - Remark	Verdict
Anbo	Anbotek Anbor Anbotek Anbotek	k hotek Anbotek	Vupor
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c):	otek Anbotek Anbotek	N/A
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating:	Inbotek Anbotek Anb	N/A
6.4.9	Flammability of insulating liquid:	Anbor An work A	N/A
6.5	Internal and external wiring	Anbore And otek	anb Pek
6.5.1	General requirements	The internal wires are complied with LIL 758 standard which	Phote

Requirements for interconnection to building wiring

Internal wiring size (mm²) for socket-outlets.....:

7	INJURY CAUSED BY HAZARDOUS SUBSTANCES	N/A
7.2	Reduction of exposure to hazardous substances	N/A
7.3	Ozone exposure	N/A
7.4	Use of personal safeguards or personal protective equipment (PPE)	N/A
Anbo	Personal safeguards and instructions N/A	
7.5	Use of instructional safeguards and instructions	N/A
otek.	Instructional safeguard (ISO 7010) N/A	
7.6	Batteries and their protection circuits	N/A

Safeguards against fire due to the connection to additional equipment

8	MECHANICALLY-CAUSED INJURY		AnPort
8.2 Anbo	Mechanical energy source classifications	Anbotek Anbo. ek botek	Phipoh
8.3	Safeguards against mechanical energy sour	ces porek Anbour	P Ant
8.4	Safeguards against parts with sharp edges a	and corners	otek P
8.4.1	Safeguards	Sharp edges and corners is classified as MS1, Equipment mounting is classified as MS3	inbotek spotek
Anbotel	Instructional Safeguard	: See the manual	Pote
8.4.2	Sharp edges or corners	Edges and corners of the enclosure are rounded.	P
8.5	Safeguards against moving parts	Anbotek Anbo	N/A







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IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict
Anbo	Anbotek Anbor Ak Hotek Anbor	Anto stek Anbotek	Vupo,
8.5.1	Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts	pot Aribotek Anbotek	N/A
ek Anb	MS2 or MS3 part required to be accessible for the function of the equipment	inbotek Anbotek Anb	N/A
boys I	Moving MS3 parts only accessible to skilled person	Aupola Au Potek	N/A
8.5.2	Instructional safeguard	Anbore And Sofek	N/A
8.5.4	Special categories of equipment containing moving parts	otek Anbotek Anbotek	N/A
8.5.4.1	General	unboth Anbotek Anbote	N/A
8.5.4.2	Equipment containing work cells with MS3 parts	Pupors Aug Potek Pup	N/A
8.5.4.2.1	Protection of persons in the work cell	Aupolo Aug Motek	N/A
8.5.4.2.2	Access protection override	Anbore Ane	N/A
8.5.4.2.2.1	Override system	anbore. Ann	N/A
8.5.4.2.2.2	Visual indicator	botek Anbotek Anti-	N/A
8.5.4.2.3	Emergency stop system	hotek Anbotek Anbo	N/A
otek Ar	Maximum stopping distance from the point of activation (m)	Anbotek Anbotek Anbo	N/A
inbote,	Space between end point and nearest fixed mechanical part (mm)	Anbotek Anbotek	N/A
8.5.4.2.4	Endurance requirements	ok shotek Anboten	N/A
Anbo	Mechanical system subjected to 100 000 cycles of operation	botek Anbotek Anbotek	N/A
stek An	- Mechanical function check and visual inspection	abotek Anbote Ans	N/A
bořek	- Cable assembly	Anborek Anbore An	N/A
8.5.4.3	Equipment having electromechanical device for destruction of media	ek Anbotek Anbotek	N/A
8.5.4.3.1	Equipment safeguards	botek Anbor ak hotek	N/A
8.5.4.3.2	Instructional safeguards against moving parts	anbotek Anbote Ame	N/A
8.5.4.3.3	Disconnection from the supply	abotek Anbores Ans	N/A
8.5.4.3.4	Cut type and test force (N)	Anbotek Anbotes Ant	N/A
8.5.4.3.5	Compliance	ak abotek Anbotes	N/A
8.5.5	High pressure lamps	k hotek Anbotel	N/A
Vu.	Explosion test	or Annatek Anbotek	N/A
8.5.5.3	Glass particles dimensions (mm)	Antore Ann otek Anbote	N/A
8.6	Stability of equipment	Anbores Ans	N/A







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-otek	IEC 62368-1	motek Anbore And	Yes
Clause	Requirement + Test	Result - Remark	Verdic
Anb	Anbotek Anbotek Anbotek	And Lotek Anbotek	Vupor
3.6.1	General	MS1	N/A
Anbo	Instructional safeguard:	Not required	N/A
8.6.2	Static stability	inbotes Anbourtek Anb	N/A
3.6.2.2	Static stability test:	Anbotek Anto	N/A
3.6.2.3	Downward force test	Anbotek Anbo	N/A
3.6.3	Relocation stability	ek Vupotek Vupo,	N/A
anbore	Wheels diameter (mm):	N/A	_
k anb	Tilt test	otek anbotek Anbote	N/A
3.6.4	Glass slide test	Anbe otek Anbotek Anbe	N/A
3.6.5	Horizontal force test:	And stek anbotek A	N/A
3.7	Equipment mounted to wall, ceiling or other struc	eture Mark	Aup B
3.7.1	Mount means type:	Screws size: Φ2.73mm x 20.4mm	NP <sup>O</sup>
3.7.2	Test methods	otek Anbotek Anbote	P
upotek Ar	Test 1, additional downwards force (N):	Downward force:25N Transverse force: 50N	potek P Anbotek
Anbotek	Test 2, number of attachment points and test force (N)	ek abotek Anbotek	N/A
Anbo	Test 3 Nominal diameter (mm) and applied torque (Nm)	0.4Nm,5 times	b <sub>V</sub>
3.8	Handles strength	Anbotek Anbo. Al	N/A
3.8.1	General	anbotek Anbors An	N/A
3.8.2	Handle strength test	. nbotek Anbore	N/A
A. abotek	Number of handles:	N/A	—
Pr.	Force applied (N)	N/A	And
3.9	Wheels or casters attachment requirements	abotek Anbote	N/A
3.9.2	Pull test	Not such equipment	N/A
3.10	Carts, stands and similar carriers	Anbore Ans Lotek	N/A
3.10.1	General	Not such equipment	N/A
3.10.2	Marking and instructions:	ek Anboten Anbo	N/A
3.10.3	Cart, stand or carrier loading test	otek Anbotek Anbo	N/A
	ok 100, 15, 11 offer, 70	V/C NO.	- 2

# **Shenzhen Anbotek Compliance Laboratory Limited**





N/A

Loading force applied (N) .....



8.12

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-otek	IEC 62368-1	Anbores Ant	*ek
Clause	Requirement + Test	Result - Remark	Verdict
And	Anbotek Anbot Anbotek Anbotek	k Anbotek Anbotek	Pupor
8.10.4	Cart, stand or carrier impact test	And otek Anbotek	N/A
8.10.5	Mechanical stability	otek Anbote	N/A
ier, Vu	Force applied (N)	Anbotes Anbo stek Anb	N/A
8.10.6	Thermoplastic temperature stability	Anbotel Anbo	N/A
8.11	Mounting means for slide-rail mounted equipment	t (SRME)	N/A
8.11.1	General	Not such equipment	N/A
8.11.2	Requirements for slide rails	tek Anbotek Anbo	N/A
ek ab	Instructional Safeguard	stek obotek Anbor	N/A
8.11.3	Mechanical strength test	inbo rek abotek Anbo	N/A
8.11.3.1	Downward force test, force (N) applied:	Aupon Per Polek Mi	N/A
8.11.3.2	Lateral push force test	Anbor ak hotek	N/A
8.11.3.3	Integrity of slide rail end stops	Aupore Aug Motek	N/A
8.11.4	Compliance	tek Anbore And	N/A

9	THERMAL BURN INJURY	WO. 194	Anbore P
9.2	Thermal energy source classifications	And stek anbotek	PLD.
9.3	Touch temperature limits	stek Anbas tek abotek	P.npo,
9.3.1	Touch temperatures of accessible parts	(See appended table)	K P An
9.3.2	Test method and compliance	anbotek Anbote Att	ote <sup>k</sup> P
9.4	Safeguards against thermal energy sources	abotek Anbote Am	N/A
9.5	Requirements for safeguards	abotek Anbore	N/A
9.5.1	Equipment safeguard	ak hotek Anboter	N/A
9.5.2	Instructional safeguard	k hotek Anboten	N/A
9.6	Requirements for wireless power transmitters	bore Am Lotek Anbore	N/A
9.6.1	General	Not such equipment	N/A
9.6.2	Specification of the foreign objects	Anboren Anb	N/A
9.6.3	Test method and compliance	Anbotek Anbo.	N/A

N/A

10	RADIATION				N/A
10.2	Radiation energy source classification	Anbe	anbotek	Anbor	N/A

# **Shenzhen Anbotek Compliance Laboratory Limited**



N/A

Telescoping or rod antennas

Button/ball diameter (mm) .....:



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motel*	IEC 62368-1	motek Anbore An	Yer
Clause	Requirement + Test	Result - Remark	Verdic
Anb	Anbotek Anbotek Anbotek	Anbotek Anbotek	Vupo,
10.2.1	General classification	RS1: LED used as indicating	N/A
And	Lasers	N/A	_
ek Ant	Lamps and lamp systems:	N/A	_
potek	Image projectors:	N/A	
anbotek	X-Ray:	N/A	
Anbotek	Personal music player:	N/A	
10.3	Safeguards against laser radiation	stek Anbotek Anbote	N/A
ar Auto	The standard(s) equipment containing laser(s) comply:	Inbotek Anbotek Anbotek	N/A
10.4	Safeguards against optical radiation from lamps LED types)	and lamp systems (including	N/A
10.4.1	General requirements	Amb otek Ambotek	N/A
Anbotek	Instructional safeguard provided for accessible radiation level needs to exceed	tek Anbotek Anbotek	N/A
K Anbo	Risk group marking and location:	notek Anbotel Anbo	N/A
otek a	Information for safe operation and installation	anbotek Anbotek Anbo	N/A
10.4.2	Requirements for enclosures	Anbotek Anbotek An	N/A
'up,	UV radiation exposure:	Anb. stek anbotek	N/A
10.4.3	Instructional safeguard:	Aupo ek upotek	N/A
10.5	Safeguards against X-radiation	otek Anbourek	N/A
10.5.1	Requirements	No X-radiation	N/A
Hek Ar	Instructional safeguard for skilled persons:	N/A	
10.5.3	Maximum radiation (pA/kg)	N/A	_
10.6	Safeguards against acoustic energy sources	Anbotek Anbotek	N/A
10.6.1	General	An otek anbotek	N/A

Acoustic output  $L_{Aeq,T}$ , dB(A).....

Unweighted RMS output voltage (mV)....:

Digital output signal (dBFS)....:

Dose-based warning and automatic decrease

Exposure-based warning and requirements

Requirements for dose-based systems





N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

General requirements

Classification

10.6.2

10.6.3

10.6.3.1

10.6.3.2

10.6.3.3



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Lotek .	IEC 62368-1	Ans Anbotek Anb	*ek
Clause	Requirement + Test	Result - Remark	Verdict
Anbe	Anbotek Anbor Anbotek Anbotek	Anbotek Anbotek	Aupor
Augo	30 s integrated exposure level (MEL30)	Anbotek Anbotek	N/A
Aug	Warning for MEL ≥ 100 dB(A)	oter Ann stek Anbotel	N/A
10.6.4	Measurement methods	Aupotek Aupo	N/A

	30 s integrated exposure level (MEL30):	An arek anborek	N/A
Ano	Warning for MEL ≥ 100 dB(A)	loter Ann otek Anbotek	N/A
10.6.4	Measurement methods	Anbotek Anbo	N/A
10.6.5	Protection of persons	Anbotek Anbu tek	N/A
Anbotek	Instructional safeguards:	Anbotek Anbo, A	N/A
10.6.6	Requirements for listening devices (headphones, earphones, etc.)	See below	N/A
10.6.6.1	Corded listening devices with analogue input	otek Anbo tek abotek	N/A
ek Aup	Listening device input voltage (mV):	upotek Aupo. Ai bo	<sup>∞</sup> N/A ,
10.6.6.2	Corded listening devices with digital input	anbotek Anbors Ar.	N/A
nbotek	Max. acoustic output L <sub>Aeq,T</sub> , dB(A)	abotek Anbote Ar	N/A
10.6.6.3	Cordless listening devices	abotek Anbote	N/A
bi.	Max. acoustic output L <sub>Aeq,T</sub> , dB(A):	Ar. otek Anboten	N/A

В	NORMAL OPERATING CONDITION TESTS, ABNORMAL OPERATING CONDITION TESTS AND SINGLE FAULT CONDITION TESTS		
B.1	General Miles Andrew Miles	Potek Pupoter. Vu	P
B.1.5	Temperature measurement conditions	(See appended table B.1.5)	AnbuP rek
B.2	Normal operating conditions	And otek Anbotek	P
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	P.nbo
otek bu	Audio Amplifiers and equipment with audio amplifiers:	(See Annex E)	N/A
B.2.3	Supply voltage and tolerances	Anbore And otek	N/A
B.2.5	Input test:	(See appended table B.2.5)	. Brek
B.3	Simulated abnormal operating conditions	stek Anbotek Anbo	Poore
B.3.1	General	otek anbotek Anbo	Р
B.3.2	Covering of ventilation openings	tek anbotek Anbot	N/A
.ek	Instructional safeguard:	Anbo rek nbotek Anb	N/A
B.3.3	DC mains polarity test	Anbo Lek abotek	N/A
B.3.4	Setting of voltage selector	Anbo. Ak botek	N/A
B.3.5	Maximum load at output terminals	ak Anbore Andrek	N/A
B.3.6	Reverse battery polarity	potek Anbores Anti-	N/A
B.3.7	Audio amplifier abnormal operating conditions	hotek Anbotes Anbo	N/A







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Lotek .	Anbotek Anbo	IEC 62368-1	Anbotek Anbotek	Aupo.
Clause	Requirement + Test	hotek Anbote.	Result - Remark	Verdict

B.3.8	Safeguards functional during and after abnormal operating conditions	(See appended table B.3)	N/A
B.4	Simulated single fault conditions	botek Anbotes Anb	rek P
B.4.1	General	botek Anbotek Anb	P
B.4.2	Temperature controlling device	Purpotek Vupotek V	N/A
B.4.3	Blocked motor test	Anti-	N/A
B.4.4	Functional insulation	And otek anbotek	₽P <sub>p</sub> ov
B.4.4.1	Short circuit of clearances for functional insulation	oter Anti-tek nbotek	PAnb
B.4.4.2	Short circuit of creepage distances for functional insulation	Anbotek Anbotek Anbo	lek b b
B.4.4.3	Short circuit of functional insulation on coated printed boards	Anbotek Anbotek Ar	N/A
B.4.5	Short-circuit and interruption of electrodes in tubes and semiconductors	k Anbotes Anbotek	Photel
B.4.6	Short circuit or disconnection of passive components	botek Anbotek Anbotek	P <sup>Anbe</sup>
B.4.7	Continuous operation of components	botek Anboten Anbo	N/A
B.4.8	Compliance during and after single fault conditions	(See appended table B.4)	Anbotek
B.4.9	Battery charging and discharging under single fault conditions	(See Annex M)	N/A

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

D	TEST GENERATORS		N/A
D.1	Impulse test generators	Anbotek	N/A
D.2	Antenna interface test generator	arbotek	N/A
D.3	Electronic pulse generator	nbo	N/A





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-otek	Anborek Anbu	IEC 62368-1	An-	Anbo
Clause	Requirement + Test	hotek Anbote	Result - Remark	Verdict

E	TEST CONDITIONS FOR EQUIPMENT CONTAINI	ING AUDIO AMPLIFIERS	N/A
E.1	Electrical energy source classification for audio	signals	N/A
rotek	Maximum non-clipped output power (W):	N/A	_
hotek.	Rated load impedance (Ω)	N/A	
Ann	Open-circuit output voltage (V):	N/A	
And	Instructional safeguard:	N/A	
E.2	Audio amplifier normal operating conditions	hotes And otek Anbotek	N/A
er Ar	Audio signal source type	N/A	_
poter	Audio output power (W)	N/A	
Anbotek	Audio output voltage (V):	N/A	
anbotek	Rated load impedance (Ω)	N/A Market Market	
Anbot	Requirements for temperature measurement	otek Anbotek Anbot	N/A
E.3	Audio amplifier abnormal operating conditions	otek Anbotek Anbote	N/A

F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND INSTRUCTIONAL SAFEGUARDS		oote <sup>k</sup> P
F.1 otek	General And	K Kotek Anbotek	Aupe, B *ek
Andrek	Language	English	_
F.2	Letter symbols and graphical symbols	ofer Androtek Anbotek	Pulpo
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	otek P An
F.2.2	Graphic symbols according to IEC, ISO or manufacturer specific	Graphical symbols are complied with IEC 60417, ISO 3864-2, ISO 7000 or ISO 7010.	anbotek Anbotek
F.3 Anbore	Equipment markings	stek Anbore An hotek	Rubon
F.3.1 Anbor	Equipment marking locations	botek Anbote And hotel	P Anl
F.3.2	Equipment identification markings	abotek Anbote Am	Р
F.3.2.1	Manufacturer identification	(see copy of marking plate)	Р
F.3.2.2	Model identification	(see copy of marking plate)	Р
F.3.3	Equipment rating markings	Am otek anbotek	Anb
F.3.3.1	Equipment with direct connection to mains	er Anbotek	N/A
F.3.3.2	Equipment without direct connection to mains	poter And	P Anb
F.3.3.3	Nature of the supply voltage	(see copy of marking plate)	lek -







F.3.7

F.3.8

F.3.9

	Page 26 of 91	Report No. 18220WC4	0018703
-otek	IEC 62368-1	And Motek Andorek And	o.
Clause	Requirement + Test	Result - Remark	Verdict
Anboundek	Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek	Aupor
F.3.3.4	Rated voltage:	(see copy of marking plate)	Papo.
F.3.3.5	Rated frequency:	Not provided with a means for direct connection to the mains	rek — Anh
F.3.3.6	Rated current or rated power	(see copy of marking plate)	-tek
F.3.3.7	Equipment with multiple supply connections	And otek Anbotek A	N/A
F.3.4	Voltage setting device	And stek anbotek	N/A
F.3.5	Terminals and operating devices	Anbo tek nbotek	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings	otek Anbotek Anbotek	N/A
F.3.5.2	Switch position identification marking	And Anbotek Anbo	N/A
F.3.5.3	Replacement fuse identification and rating markings	Anbotek Anbotek Ar	N/A
anbotek	Instructional safeguards for neutral fuse	anbotek Anbo	N/A
F.3.5.4	Replacement battery identification marking	otek Anbotek Anbotek	N/A
F.3.5.5	Neutral conductor terminal	tek nbotek Anbote	N/A
F.3.5.6	Terminal marking location	Inbo	N/A
F.3.6	Equipment markings related to equipment classification	Anbotek Anbotek An	N/A
F.3.6.1	Class I equipment	Anborek Anbor	N/A
F.3.6.1.1	Protective earthing conductor terminal:	ek abotek Anbote	N/A
F.3.6.1.2	Protective bonding conductor terminals	ak abotek Anbotes	N/A
F.3.6.2	Equipment class marking	upote Andrek Anboth	N/A
F.3.6.3	Functional earthing terminal marking	Anbore Ant Ant	N/A
160	COD NO. MO. MAN	76, 700,	No.

See below



N/A

N/A

Ρ

Equipment IP rating marking.....:

External power supply output marking....:

Durability, legibility and permanence of marking



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Lotek	Anbotek Anbo	IEC 62368-1	An Motek Anbotek	Aupo
Clause	Requirement + Test	A. hotek Anbote.	Result - Remark	Verdict
DUD	rek spore	New Y Pote	Augo sek	· Aport

Potek	Anbo. A. tek anbote. And	-k botek Anbo	Pr.
F.3.10	Test for permanence of markings	The label was subjected to the permanence of marking test. The label was rubbed with cloth soaked with water for 15 sec. And then again for 15 sec., with the cloth soaked with petroleum spirit. After this test	P <sup>loo</sup> An hotek
	ek Anbotek	there was no damage to the label. The marking on the label did not fade. There was no curling and lifting of the label edge.	Anbore.  Anbor
	botek Anbotek Anbotek Anbotek	After each test, the marking remained legible.	e,ek
F.4	Instructions	And botek Anborek Ar	P
hotek	a) Information prior to installation and initial use	See user manual	Amb P
Anbotek	b) Equipment for use in locations where children not likely to be present	otek Anbotek Anbotek	N/A
k Anbo	c) Instructions for installation and interconnection	See user manual	y p
otek Ar	d) Equipment intended for use only in restricted access area	Anborek Anbore Anb	N/A
upo,	e) Equipment intended to be fastened in place	Aupor Air Motek	N/A
Anbore	f) Instructions for audio equipment terminals	Anbore And work	N/A
Anbore	g) Protective earthing used as a safeguard	tek Anbore And otek	N/A
Anbo'	h) Protective conductor current exceeding ES2 limits	abotek Anbotes Anbote	N/A
No. No.	i) Graphic symbols used on equipment	Anbore Ant botek Ant	o <sub>for</sub> P
hotek hotek	j) Permanently connected equipment not provided with all-pole mains switch	Anborek Anborek	N/A
Anbotek	k) Replaceable components or modules providing safeguard function	lek Anbotek Anbotek	N/A
Aupo,	Equipment containing insulating liquid	botek Anbore An work	N/A
rek An	m) Installation instructions for outdoor equipment	abotek Anbore Am	N/A
F.5	Instructional safeguards	wotek Anbote. Anb	P

G	COMPONENTS	Auth-len
G.1	Switches And	N/A
G.1.1 Anbore	General	N/A
G.1.2	Ratings, endurance, spacing, maximum load	N/A





-orek	IEC 62368-1	wotek Anbore An	You
Clause	Requirement + Test	Result - Remark	Verdict
G.1.3	Test method and compliance	And otek anbotek	N/A
G.2*	Relays Market Arthur Market Arthur Market Arthur Market Ma	hoter Anti-	N/A
G.2.1	Requirements	No such component	N/A
G.2.2	Overload test	Anbotek Anbo	N/A
G.2.3	Relay controlling connectors supplying power to other equipment	Anbotek Anbotek	N/A
G.2.4	Test method and compliance	Anbo tek nbotek	N/A
G.3*	Protective devices	potek Anbo. Pr. spotek	N/A
G.3.1	Thermal cut-offs	rupotek Aupo, be	<sup>™</sup> N/A
otek	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	Anbotek Anbotek An	N/A
Anbotek	Thermal cut-outs tested as part of the equipment as indicated in c)	k Anbotek Anbotek	N/A
G.3.1.2	Test method and compliance	stek snbotek Anbou	N/A
G.3.2	Thermal links	stek Anbotek Anbot	N/A
G.3.2.1	a) Thermal links tested separately according to IEC 60691 with specifics	anbotek Anbotek Anbo	N/A
nbotek	b) Thermal links tested as part of the equipment	upotek Pupor W	N/A
G.3.2.2	Test method and compliance	- Anbotek Anbot	N/A
G.3.3	PTC thermistors	tek nbotek Anbote	N/A
G.3.4	Overcurrent protection devices	tek abotek Anbote	N/A
G.3.5	Safeguards components not mentioned in G.3.1 to G.3.4	abotek Anbotek Anbot	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	Anbotek Anbotek	N/A
G.3.5.2	Single faults conditions	(See appended table B.4)	N/A
G.4*	Connectors	stek Anbor Antok	N/A
G.4.1	Spacings	botek Anbors An	N/A
G.4.2	Mains connector configuration	abotek Anbore Ante	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	Anbotek Anbotek Ant	N/A
G.5	Wound components	Anbor An notek	N/A
G.5.1	Wire insulation in wound components	lek Anbore And Lotek	N/A
G.5.1.2	Protection against mechanical stress	stek Anbores And	N/A

# **Shenzhen Anbotek Compliance Laboratory Limited**

Endurance test

G.5.2\*



N/A



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Lotek	IEC 62368-1	Anbotek Anbotek Anb	*ek
Clause	Requirement + Test	Result - Remark	Verdict
Anb	Anbotek Anbotek Anbotek Anbotek	And otek Anbotek	Vupo,
G.5.2.1	General test requirements	lek Anbo tek upotek	N/A
G.5.2.2	Heat run test	potek Anboutek abotel	N/A
ek Anb	Test time (days per cycle)	N/A	_
potek	Test temperature (°C):	N/A	_
G.5.2.3	Wound components supplied from the mains	anbotek Anbote A	N/A
G.5.2.4	No insulation breakdown	ek abotek Anbote	N/A
G.5.3	Transformers	No such component	N/A
G.5.3.1	Compliance method	pore An botek Anbores	N/A
-k	Position:	hupote, the Motek Wupo	N/A
ote, b	Method of protection:	Anbote: Anotek An	N/A
G.5.3.2	Insulation	Anborek Anbo	N/A
Anborek	Protection from displacement of windings	N/A MOOTEN AMERICAN	_
G.5.3.3	Transformer overload tests	otek Anbotek Anbo	N/A
G.5.3.3.1	Test conditions	otek anbotek Antion	N/A
G.5.3.3.2	Winding temperatures	mbo stek Anbotek Anbot	N/A
G.5.3.3.3	Winding temperatures - alternative test method	Anbo tek abotek An	N/A
G.5.3.4	Transformers using FIW	Anbor Al abotek	N/A
G.5.3.4.1	General	Aupola An botek	N/A
Anbore	FIW wire nominal diameter	N/A	_
G.5.3.4.2	Transformers with basic insulation only	shotek Anbote An	N/A
G.5.3.4.3	Transformers with double insulation or reinforced insulation	Anborek Anborek Ant	N/A
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	Anbotek Anbotek	N/A
G.5.3.4.5	Thermal cycling test and compliance	ek upotek Aupote	N/A
G.5.3.4.6	Partial discharge test	sek abotek Anbota	N/A
G.5.3.4.7	Routine test	The By Spotek Aupore	N/A
G.5.4	Motors	Pupor Bright Will	N/A
G.5.4.1	General requirements	Anbor An Lotek	N/A
G.5.4.2	Motor overload test conditions	Aupores Aura	N/A
G.5.4.3	Running overload test	lek Anboren Anbo	N/A
G.5.4.4.2	Locked-rotor overload test	hotek Anbotek Anto.	N/A
de No	Test duration (days)	tek abotek Anbor	







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pore	IEC 62368-1	D Antonio Anto	Sporer
Clause	Requirement + Test	Result - Remark	Verdic
h. spotek	Anbote And tek shootek Anbo	ek abotek Anbote	Vur
G.5.4.5	Running overload test for DC motors	An otek Anboten	N/A
G.5.4.5.2	Tested in the unit	pote, And otek Aupotel	N/A
G.5.4.5.3	Alternative method	Anboten And	N/A
G.5.4.6	Locked-rotor overload test for DC motors	Anbotek Anbo tek	N/A
G.5.4.6.2	Tested in the unit	Anbotek Anbo. ok	N/A
abotek	Maximum Temperature:	(See appended table B.4)	N/A
G.5.4.6.3	Alternative method	Lek abotek Anbote	N/A
G.5.4.7	Motors with capacitors	No. A. botek Anbote.	N/A
G.5.4.8	Three-phase motors	Anbore An botek Anbo	N/A
G.5.4.9	Series motors	Anbore Ant Lotek Ar	N/A
Anbores.	Operating voltage	N/A	_
G.6 bole	Wire Insulation	ek Anbores Anto	N/A
G.6.1	General	otek Anbotek Anbor	N/A
G.6.2	Enamelled winding wire insulation	stek anbotek Anbore	N/A
G.7	Mains supply cords	Anto Anto	N/A
G.7.1	General requirements	Anbor ak abotek An	N/A
'upoto	Type	N/A	_
G.7.2	Cross sectional area (mm² or AWG)	Anbote Ant wotek	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	tek Anbuta Anbotek	N/A
G.7.3.2	Cord strain relief	hoo, ek spotek Aupor	N/A
G.7.3.2.1	Requirements	Anbore And Motek Ant	N/A
hois.	Strain relief test force (N)	Aupore, K Aup	N/A
G.7.3.2.2	Strain relief mechanism failure	Anborek Anbo	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	olek Aupoten Aupo	N/A
G.7.3.2.4	Strain relief and cord anchorage material	notek Anborek Anbo	N/A
G.7.4	Cord Entry	Lotek Anbotek Anbore	N/A
G.7.5	Non-detachable cord bend protection	And Andorek And	N/A
G.7.5.1	Requirements	Anio tek abotek	N/A
G.7.5.2	Test method and compliance	Aupor Air	N/A
Anbore	Overall diameter or minor overall dimension, <i>D</i> (mm)	N/A	_
"K "	Radius of curvature after test (mm)	N/A	





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hotek	IEC 62368-1	VII.
Clause	Requirement + Test Result - Remark	Verdic
G.7.6	Supply wiring space	N/A
G.7.6.1	General requirements	N/A
G.7.6.2	Stranded wire	N/A
G.7.6.2.1	Requirements	N/A
G.7.6.2.2	Test with 8 mm strand	N/A
G.8 Dorek	Varistors Andorek Andorek Andorek Andorek	N/A
G.8.1	General requirements	N/A
G.8.2	Safeguards against fire	N/A
G.8.2.1	General	N/A
G.8.2.2	Varistor overload test	N/A
G.8.2.3	Temporary overvoltage test	N/A
G.9*	Integrated circuit (IC) current limiters	N/A
G.9.1	Requirements	N/A
k Anb	IC limiter output current (max. 5A) N/A	Anbo
rek .	Manufacturers' defined drift N/A	Anbo
G.9.2	Test Program	N/A
G.9.3	Compliance	N/A
G.10*	Resistors	N/A
G.10.1	General Annual A	N/A
G.10.2	Conditioning	N/A
G.10.3	Resistor test	N/A
G.10.4	Voltage surge test	N/A
G.10.5	Impulse test	N/A
G.10.6	Overload test	N/A
G.11	Capacitors and RC units	N/A
G.11.1	General requirements	N/A
G.11.2	Conditioning of capacitors and RC units	N/A
G.11.3	Rules for selecting capacitors	N/A
G.12	Optocouplers Andores Andores Andores Andores Andores Andores	N/A
Anbotek	Optocouplers comply with IEC 60747-5-5 with specifics	N/A
Vupo.	Type test voltage V <sub>ini,a</sub>	ha spotel
ek ant	Routine test voltage, V <sub>ini, b</sub> : N/A	Pro.







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worek.	Anbotek Anbot	IEC 62368-1	Amb wotek Ambotek	Aupo.
Clause	Requirement + Test	botek Anbote	Result - Remark	Verdict

G.13	Printed boards	An otek Anbotek	P
G.13.1	General requirements	Approved PCB used, see appended table 4.1.2 for detail	P Anh
G.13.2	Uncoated printed boards	Anbotek Anbotek Anb	P
G.13.3	Coated printed boards	And atek Anbotek A	N/A
G.13.4	Insulation between conductors on the same inner surface	ek Anbotek Anbotek	N/A
G.13.5	Insulation between conductors on different surfaces	otek Anborek Anborek	N/A
See Vinn	Distance through insulation:	Auporen Aupo	N/A
pole. P	Number of insulation layers (pcs)	N/A	_
G.13.6	Tests on coated printed boards	Anbotek Anbo tek	N/A
G.13.6.1	Sample preparation and preliminary inspection	k Aupotek Pupo,	N/A
G.13.6.2	Test method and compliance	otek onbotek Anbor-	N/A
G.14*	Coating on components terminals	tek abotek Anbotek	N/A
G.14.1	Requirements:	into tek abotek Anbor	N/A
G.15*	Pressurized liquid filled components	Anbor An abotek An	N/A
G.15.1	Requirements	Anbore Anthone	N/A
G.15.2	Test methods and compliance	Anbore K And hotek	N/A
G.15.2.1	Hydrostatic pressure test	itek Pupose, Yur.	N/A
G.15.2.2	Creep resistance test	botek Anbotes Anbo	N/A
G.15.2.3	Tubing and fittings compatibility test	hotek Anboten Anbo	N/A
G.15.2.4	Vibration test	Ann Lotek Anbotek Ant	N/A
G.15.2.5	Thermal cycling test	And stek unbotek	N/A
G.15.2.6	Force test	And stek anbotek	N/A
G.15.3	Compliance	ier Anbo tek abotek	N/A
G.16*	IC including capacitor discharge function (ICX)	hbotek Anbo ek abote	N/A
G.16.1	Condition for fault tested is not required	Anborek Anbore An	N/A
botek	ICX with associated circuitry tested in equipment	anbotek Anbote An	N/A
abotek	ICX tested separately	Anbores A	N/A
G.16.2	Tests	ok botek Anbotes	N/A
Anbore	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	N/A Anbotek Anbotek	_
-	V 100		



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Lotek	Anbotek Anbo	IEC 62368-1	Anbotek Anbotek	Anbo
Clause	Requirement + Test	hotek Anbote	Result - Remark	Verdict
VUD	100	Die Ste	VUD.	K "PO"

Loter	And tek abor Air	-k hotel And	V95_
Anbore	Mains voltage that impulses to be superimposed on	N/A Anborek Anborek	_
tek Ant	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test	N/A	_
G.16.3	Capacitor discharge test:	Anbore K An Motek A	N/A
Н	CRITERIA FOR TELEPHONE RINGING SIGNALS		N/A
H.1, nbote	General Andrew Andrew	ek Anbote. And stek	N/A
H.2 Anbote	Method A	otek Anbotek Anbo	N/A
H.3	Method B	otek Anbotek Anbo	N/A
H.3.1	Ringing signal	and otek anbotek Anbo	N/A
H.3.1.1	Frequency (Hz)	N/A	_
H.3.1.2	Voltage (V)	N/A	
H.3.1.3	Cadence; time (s) and voltage (V)	N/A	
H.3.1.4	Single fault current (mA):	N/A	_
H.3.2	Tripping device and monitoring voltage	nbotek Anbote An	N/A 📈
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	Anbotek Anbotek An	N/A
H.3.2.2	Tripping device	Anba. sek anbotek	N/A
H.3.2.3	Monitoring voltage (V):	Aupo. M. Motek	N/A
210	AC LAU' DO		

J	INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION		
J.1	General	Anbore. Ann stek ont	N/A
upotek	Winding wire insulation	N/A	_
Anbotek	Solid round winding wire, diameter (mm)	Anbotek Anbo	N/A
Anbote	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²)	ek Anbotek Anbotek	N/A
J.2/J.3	Tests and Manufacturing	boter And stek Anbote	- Aug

K	SAFETY INTERLOCKS	N/A
K.1	General requirements	N/A
AUD	Instructional safeguard:	N/A
K.2	Components of safety interlock safeguard mechanism	N/A
K.3	Inadvertent change of operating mode	N/A
K.4	Interlock safeguard override	N/A





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work.	Anborek Anbo	IEC 62368-1	Ant work Anbotek	Yupo.
Clause	Requirement + Test	Anborek Anbore	Result - Remark	Verdict

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

L	DISCONNECT DEVICES	N/A
L.ħ <sup>nv</sup>	General requirements	N/A
L.2 And	Permanently connected equipment	N/A
L.3	Parts that remain energized	N/A pol
L.4	Single-phase equipment	N/A
L.5	Three-phase equipment	N/A
L.6	Switches as disconnect devices	N/A
L.7	Plugs as disconnect devices	N/A
L.8	Multiple power sources	N/A
b.	Instructional safeguard:	N/A

М	EQUIPMENT CONTAINING BATTERIES AND THEIR PROTECTION CIRCUITS		N/A
M.1	General requirements	A hotek Anbotes A	N/A
M.2	Safety of batteries and their cells	k notek anbotek	N/A
M.2.1	Batteries and their cells comply with relevant IEC standards:	(See table 4.1.2)	N/A
M.3	Protection circuits for batteries provided within the equipment	Anbotek Anboter Anbo	N/A







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Upolo	IEC 62368-1	- Anbore Ans	potek
Clause	Requirement + Test	Result - Remark	Verdict
Ar. hotek	Anbotek Anbo	k hotek Anbote	VUD
M.3.1	Requirements	An Anbotek	N/A
M.3.2	Test method	poter. And otek Anbotel	N/A
er An	Overcharging of a rechargeable battery	Anboten Anb	N/A
potek	Excessive discharging	Anbotek Anbo sek	N/A
Anbotek	Unintentional charging of a non-rechargeable battery	Anbotek Anbotek	N/A
Anbo	Reverse charging of a rechargeable battery	And stek anbotek	N/A
M.3.3	Compliance	(See appended table M.3)	N/A
M.4 M	Additional safeguards for equipment containing battery	a portable secondary lithium	N/A
M.4.1	General	Anbotek Anbotek Ar	N/A
M.4.2	Charging safeguards	Anbo Lek abotek	N/A
M.4.2.1	Requirements	Anbo. ak abotek	N/A
M.4.2.2	Compliance	(See appended table M.4.2)	N/A
M.4.3	Fire enclosure:	Enclosure: V-0	≫ N/A
M.4.4	Drop test of equipment containing a secondary lithium battery	Anbotek Anbotek Ano	N/A
M.4.4.2	Preparation and procedure for the drop test	Anbor Ar. botek	N/A
M.4.4.3	Drop, Voltage on reference and dropped batteries (V); voltage difference during 24 h period (%)::	tek Anbotek Anbotek	N/A
M.4.4.4	Check of the charge/discharge function	Lek abotek Anbote	N/A
M.4.4.5	Charge / discharge cycle test	hoo, ok Protek Wupot	N/A
M.4.4.6	Compliance	Anbore An hotek An	N/A
M.5	Risk of burn due to short-circuit during carrying	Anbore And And Antek	N/A
M.5.1	Requirement	Anborer Ant otek	N/A
M.5.2	Test method and compliance	olek Anbotek Anbo	N/A
M.6 (100)	Safeguards against short-circuits	notek Anbotek Anbo	N/A
M.6.1	External and internal faults	ntek Anbotek Anbo	N/A
M.6.2	Compliance	And tek anbotek Anb	N/A
M.7*	Risk of explosion from lead acid and NiCd batter	ries Anbotek	N/A
M.7.1	Ventilation preventing explosive gas concentration	Aupon An Hotek	N/A
Anbore	Calculated hydrogen generation rate	lek Anbor An work	N/A
M.7.2	Test method and compliance	botek Anbore Anti-	N/A
ek al	Minimum air flow rate, Q (m <sup>3</sup> /h)	rek spoker Aupo	N/A







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hotek	IEC 62368-1	Anbore Ant	Yer
Clause	Requirement + Test	Result - Remark	Verdict
M.7.3	Ventilation tests	Ann otek Anbotek	N/A
M.7.3.1	General	poter. And stek Anbote	N/A
M.7.3.2	Ventilation test – alternative 1	Anboten Anbo sek ab	N/A
botek	Hydrogen gas concentration (%)	anbotek Anbo ek	N/A
M.7.3.3	Ventilation test – alternative 2	Anbotek Anbot	N/A
nbotek	Obtained hydrogen generation rate:	k nbotek Anbore	N/A
M.7.3.4	Ventilation test – alternative 3	tek abotek Anbote	N/A
ok bi	Hydrogen gas concentration (%)	o. A. Potek Aupote.	N/A
M.7.4	Marking	Anbor An botek Anbo	N/A
M.8*	Protection against internal ignition from external with aqueous electrolyte	spark sources of batteries	N/A
M.8.1	General	k botek Anbotes	N/A
M.8.2	Test method	ok hotek Anboten	N/A
M.8.2.1	General	ore Annotek Anbotek	N/A
M.8.2.2	Estimation of hypothetical volume $V_z$ (m³/s):	N/A	_
M.8.2.3	Correction factors:	N/A	
M.8.2.4	Calculation of distance d (mm):	N/A Anborest	_
M.9	Preventing electrolyte spillage	k Anbotek Anbo	N/A
M.9.1	Protection from electrolyte spillage	tek Aupotek Aupo	N/A
M.9.2	Tray for preventing electrolyte spillage	otek Anbotek Anbote	N/A
M.10	Instructions to prevent reasonably foreseeable misuse	Anbotek Anbotek Anbot	N/A
nbotek	Instructional safeguard:	Anbotek Anbo	N/A
hotek	Anbo Arek above Ano	hotek Anbo	notel
N	ELECTROCHEMICAL POTENTIALS		N/A
Ann	Material(s) used:	N/A	_

N	ELECTROCHEMICAL POTENTIALS		N/A	¢.
Aur	Material(s) used	N/A	_	l

0	MEASUREMENT OF CREEPAGE DISTANCES AND CLEARANCES	
bołek	Value of <i>X</i> (mm)	_

Р	SAFEGUARDS AGAINST CONDUCTIVE OBJECTS		
P.1 <sub>Anbore</sub>	General	N/A	
P.2 Anbore	Safeguards against entry or consequences of entry of a foreign object		
P.2.1	General	N/A	







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work.	Anborek Anbo	IEC 62368-1	Ant work Anbotek	Yupo.
Clause	Requirement + Test	Anborek Anbore	Result - Remark	Verdict

hotek	Anbor Anti-	-k botek Anbo	Pr.
P.2.2	Safeguards against entry of a foreign object	And Lotek Anbotek	N/A
Anb	Location and Dimensions (mm)	N/A And And And And And And And And And An	
P.2.3	Safeguards against the consequences of entry of a foreign object	Anborek Anborek Anb	N/A
P.2.3.1	Safeguard requirements	Arrivotek Anbotek A	N/A
Anbotek .	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment	k Anbotek Anbotek	N/A
Anbore	Transportable equipment with metalized plastic parts:	otek Anbotek Anbotek	N/A
P.2.3.2	Consequence of entry test	Aupor Au	N/A
P.3*	Safeguards against spillage of internal liquids	Anbore And And	N/A
P.3.1	General	Anbotes And atek	N/A
P.3.2	Determination of spillage consequences	k Anbotek Anto	N/A
P.3.3	Spillage safeguards	stek Anbotek Anbo.	N/A
P.3.4	Compliance	atek Anbotek Anbote	N/A
P.4*	Metallized coatings and adhesives securing part	Shortek Anborek Anbor	N/A
P.4.1	General	Anbo sek spotek An	N/A
P.4.2	Tests	Anbor Ak botek	N/A
Aupo,	Conditioning, T <sub>C</sub> (°C):	N/A Market	_
Anbore	Duration (weeks):	N/A	_

Q	CIRCUITS INTENDED FOR INTERCONNECTION WITH BUILDING WIRING		
Q.1	Limited power sources	Considered for all the output terminals	N/A
Q.1.1	Requirements	Anborek Anbore	N/A
abotel	a) Inherently limited output	ek abotek Anbote	N/A
h 200	b) Impedance limited output	(See appended table Q.1)	N/A
ok bir	c) Regulating network limited output	bo, bolek Wupole	N/A
21. P	d) Overcurrent protective device limited output	Anbor Anb	N/A
upore	e) IC current limiter complying with G.9	Anbore And Lotek	N/A
Q.1.2	Test method and compliance:	(See appended table Q.1)	N/A
Anboten	Current rating of overcurrent protective device (A):	tek Anbotek Anbo	N/A
Q.2	Test for external circuits – paired conductor cable	potek Anbotek Anbotek	N/A
le. bu	Maximum output current (A)	Anbotes Ante otek Anbo	N/A
. 05			





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pote	IEC 62368-1	- Anbore An	abotek
Clause	Requirement + Test	Result - Remark	Verdic
h. abotek	Anbore And Catek Anbores Anbo	ek spotek Aupore	Viv
by.	Current limiting method:	N/A Anborer	_
R	LIMITED SHORT CIRCUIT TEST	abore Arr k hote	NI/A
R.1	General	And Moter And	N/A N/A
R.2	Test setup	Anbores And	N/A
Anhorek	Overcurrent protective device for test:	N/A	IN/A
D Anbotek	DI. Tre Marie Marie	IN/A Anborek Anbo	N1/A
R.3	Test method  Cord/cable used for test:	N/A	N/A
the not	te, Aur stek Pupo, W.	N/A	
R.4	Compliance	Anbo tek Anbotek Anbo	N/A
S	TESTS FOR RESISTANCE TO HEAT AND FIRE	-100° No. 10	N/A
S.1	Flammability test for fire enclosures and fire bar where the steady state power does not exceed 4		N/A
Anbore	Samples, material	N/A Anbores Anborres	_
k Anb	Wall thickness (mm)	N/A	_
stek c	Conditioning (°C):	N/A rek Anborek Anbo	_
nbotek	Test flame according to IEC 60695-11-5 with conditions as set out	Anbotek Anbotek An	N/A
Anbore	- Material not consumed completely	Anbores Ans	N/A
Anbore	- Material extinguishes within 30s	otek Anboten Anb	N/A
Anbr	- No burning of layer or wrapping tissue	hotek Anboten Anbo	N/A
S.2	Flammability test for fire enclosure and fire barr	ier integrity	N/A
rek	Samples, material	N/A And And And	_
Jo Jek	Wall thickness (mm)	N/A N/A	_
Aupo.	Conditioning (°C):	N/A MARKET MARKAT MARKET MARKET MARKET MARKET MARKET MARKET MARKET MARKET MARKE	_
S.3 Anber	Flammability test for the bottom of a fire enclose	ure Andrew	N/A
S.3.1 M	Mounting of samples	abotek Anbor Aris bote	N/A
S.3.2	Test method and compliance	Anbotek Anbott Anbott	N/A
botek	Mounting of samples	N/A Andrew	_
botek	Wall thickness (mm)	N/A Morek Anbore	_
		0.33	

4 000 W



equipment with a steady state power exceeding



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-otek	IEC 623	68-1	An-	poter, Vup.	Yer
Clause	Requirement + Test	Aupote	Result - Remark	Anbotek P	Verdict
Anbo	Wilhotek Viposa Viposek	Anboten	k Anbo	Anbotek	Vupo
VUP.	Samples, material		N/A	Anborek	_
VIUD	Wall thickness (mm)	K AT	N/A	ak Anbotel	_
IS. YUI	Conditioning (°C)	. Yek	N/A	ok be	

Т	MECHANICAL STRENGTH TESTS		Pek
T.1 hotek	General And tek apporter Andrew	k hotek Anboter	Anba rel
T.2	Steady force test, 10 N	Ans otek Anbotek	N/A
T.3	Steady force test, 30 N	bore. And otek Amborek	N/A
T.4	Steady force test, 100 N:	(See appended table T.4)	ek P P
T.5	Steady force test, 250 N:	(See appended table T.5)	N/A
T.6	Enclosure impact test	(See appended table T.6)	N/A
nbotek	Fall test	k vupotek Vupor	N/A
Anbore	Swing test	stek anbotek Anbott	N/A
T.7	Drop test	(See appended table T.7)	N/A
T.8	Stress relief test:	(See appended table T.8)	P
T.9	Glass Impact Test:	Anborek Anborek An	N/A
T.10	Glass fragmentation test	Anbotek Anbotek	N/A
Anbe	Number of particles counted:	And tek Anbotek	N/A
T.11	Test for telescoping or rod antennas	otek Anbartek	N/A
Aup	Torque value (Nm)	upotek Aupo, Ai,	N/A N

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

٧	DETERMINATION OF ACCESSIBLE PARTS	N/A
V.1	Accessible parts of equipment	N/A
V.1.1	General	N/A
V.1.2	Surfaces and openings tested with jointed test probes	N/A
V.1.3	Openings tested with straight unjointed test probes	N/A







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Lotek	Anbotek Anbo	IEC 62368-1	Ans work Anbotek	Anbo
Clause	Requirement + Test	hotek Anbote	Result - Remark	Verdict
OUD	rek apole	P.L.	Pupo Fal	200,0

V.2	Accessible part criterion	anbotek	Vupo	ak pr	N/A
V.1.6	Terminals tested with rigid test wire	Anboten		2000	N/A
V.1.5	Slot openings tested with wedge probe	hooter	Ann	nbotel	N/A
V.1.4	Plugs, jacks, connectors tested with blunt probe	0, 61	-otek	Aupoien	N/A

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

Υ	CONSTRUCTION REQUIREMENTS FOR OUTDOOR ENCLOSURES	N/A
Y.1 <sub>otel</sub> k	General Andrew Andrew Andrew	N/A
Y.2	Resistance to UV radiation	N/A
Y.3	Resistance to corrosion	N/A
Y.3	Resistance to corrosion	yek Aup
Y.3.1	Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by	N/A
Y.3.2	Test apparatus	N/A
Y.3.3	Water – saturated sulphur dioxide atmosphere	N/A
Y.3.4	Test procedure	N/A
Y.3.5	Compliance	N/A
Y.4	Gaskets Anbound Anbound Anbound Anbound	N/A
Y.4.1	General	N/A
Y.4.2	Gasket tests	N/A
Y.4.3	Tensile strength and elongation tests	N/A
hotek	Alternative test methods	N/A
Y.4.4	Compression test	N/A
Y.4.5	Oil resistance	N/A
Y.4.6	Securing means	N/A
Y.5	Protection of equipment within an outdoor enclosure	N/A
Y.5.1	General	N/A
Y.5.2	Protection from moisture	N/A
Anbote	Relevant tests of IEC 60529 or Y.5.3	N/A
Y.5.3	Water spray test	N/A







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olek bi	IEC 62368-1	oto.
Clause	Requirement + Test Result - Remark	Verdict
Aupo,	Anbotek Anbotek Anbotek Anbotek Anbotek	Anbors
Y.5.4	Protection from plants and vermin	N/A
Y.5.5	Protection from excessive dust	N/A
Y.5.5.1	General	N/A
Y.5.5.2	IP5X equipment	N/A
Y.5.5.3	IP6X equipment	N/A
Y.6	Mechanical strength of enclosures	N/A
Y.6.1	General	N/A
Y.6.2	Impact test:	N/A





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Lotek	Anbotek Anbo	IEC 62368-1	Ant wotek Anbotek	Aupo.
Clause	Requirement + Test	abotek Anbote	Result - Remark	Verdict

5.2	TABLE: Classification of electrical energy sources							
Supply Voltage	Location (e.g.	Test conditions		F	Parameters		ES Class	
vollage	designation)		U (V)	I (mA)	Type <sup>1)</sup>	Additional Info <sup>2)</sup>	Class	
botek	Aupore An	Normal	12.01Vdc		SS	Yupose Yu.	otek	
12Vdc	Input terminal	Abnormal:	-Aupon	. o.Y	SS	Anbores	ES1	
Anshotek	Anbotek A	Single fault:	ek Aup	94	SS	Ankoreit	Aupo	

Supplementary information:

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

5.4.1.8 TABLE: Working volta	ge measureme	nt Ando	abotek	N/A
Location	RMS voltage (V)	Peak voltage (V)	Frequency (Hz)	Comments
otek Anbo. Ar. hotek	Anboten P	Up.	potek Aupo	Ar hotek
Supplementary information:	Anboiek	Anbo	abotek An	por An.

5.4.1.10.2 TABLE: Vicat softening temperature of thermoplastics									
Method		ISO 306 / B50	Anbotek	_					
Object/ Part No./Material	Manufacturer/trademark	Thickness (mm)	T softeni	ng (°C)					
otek nabotek	Vupo, by	Anbore Ano	isk vi	otek					
Supplementary information:	tek Anbore Ane hotek	Anboten Anb	-rek	abotek					

5.4.1.10.3 TA	TABLE: Ball pressure test of thermoplastics							N/A
Allowed impression diameter (mm)								
I ( ) bioot/Dort No. / Motorial   Monutooturer/trademark   Thickness (mm)						Test temperature (°C)		ression eter (mm)
nisoren Anba	rek on	orek	Vupor V	notek	Anbo	ter Tub	31-	nbotek
Supplementary i	nformation:	abotek	Anbore	Answork	Δ'	hotek Anbo	,ek	abotek







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Lotek	Anbotek Anbo	IEC 62368-1	Anbotek Anbotek	Anbo
Clause	Requirement + Test	hotek Anbote	Result - Remark	Verdict

5.4.2, 5.4.3 TABLE: I	Minimum Cl	earances,	Creepag	e distance	, Au	-otek	anborek	N/A
Clearance (cl) and creepage distance (cr) at/of/between:	U <sub>p</sub> (V)	U <sub>rms</sub> (V)	Freq 1) (Hz)	Required cl (mm)	cl (mm)	E.S. <sup>2)</sup> (V)	Required cr (mm)	cr (mm)
ipour bu	Arteoter	Pupe	-40X-	anborek	Vupo,	P	otek	'upoter

Supplementary information:

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

5.4.4.2	TABLE: Minimun	nimum distance through insulation						Vupo.	N/A
Distance the (DTI) at/of	nrough insulation	Peak v	oltage (V)	Insulat	ion	Require (m			sured DTI mm)
- anbotek	Aupo.	abotek	-Anbore	An-	anbo	Wek.	- Vupo.	e/F	- abotek
Supplemen	ntary information:	bu. Potek	Anboten	Ann		nbotek	Anbo	40	bi.

5.4.4.9	TABLE: Solid in	nsulation at	frequencies	>30 kHz	o. Pr	abotek p	N/A
Insulation	material	E <sub>P</sub>	Frequency (kHz)	<b>K</b> <sub>R</sub>	Thickness d (mm)	Insulation	V <sub>PW</sub> (Vpk)
- nbotek	Anbore A	noisk.	Anboren	Anbotek	nbotek	Pupo,	Al Potek
Supplemen	ntary information:	Ann	anbotek	Anbo	. botek	Anbore	And

5.4.9	TABLE: Electr	ic strength tests	nbotek Anbot	ok hotek	N/A Pro
Test volta	age applied betwee	n:	Voltage shape (Surge, Impulse, AC DC, etc.)	Test voltage (V)	Breakdown Yes / No
bupo,	k hotek	Anbore. And	stek nootek	Aupo, A.	ek Aupore
Suppleme	entary information:				

5.5.2.2	TABLE:	: Stored discharge o	on capacitors			N/A
Location		Supply voltage (V)	Operating and fault condition 1)	Switch position	Measured voltage (Vpk)	ES Class
Ann	abot	ok Nupo,	hotek Anbote	V. Vun	aborek	bapo,
Suppleme	ntary infor	mation:	And Motek And	Joseph Aubo.	tek abote	k Aupo
X-capacito	ors installed	d for testing:				
D bleedin	g resistor	rating:				





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Test current Duration Voltage drop Resistance	-otek	Anboiek	Anbo	100	IEC 623	368-1	bu.	rek D	hotek	NUP	.ex	
Normal operating condition (e.g., normal operation, or open fuse), SC= short circuit, OC= open circuit   Secondary   Seconda	Clause	Require	ment + Test	40	A botek	Anbore	Result	- Remark	Anbotek	-	Verdict	
Normal operating condition (e.g., normal operation, or open fuse), SC= short circuit, OC= open circuit   Secondary   Seconda	Anb	nbot	ek Anbor	Nou	An	Anbotel	, AL	, otek	Anbotel		Anbor	
S.6.6   TABLE: Resistance of protective conductors and terminations   N/A	☐ ICX:	ek n	potek Ani	DO.	ok hotek	Anbor	9	Anbo	, ab	Nek	Anbore	
Test current (A)	1) Normal	operating	condition (e.g	g., n	ormal operation,	or open fu	se), SC	= short ci	rcuit, OC=	ope	n circuit	
Test current (A)	lek Vul	bo,	by, polek	P.C	Pup.	ntek	anbotek	Aupo	A You	200	otek I	
Coation	5.6.6	TABLE:	Resistance of	of pr	otective conduc	ctors and	termina	ations	Pos	- box	N/A	
S.7.4   TABLE: Unearthed accessible parts	Location									Re		
S.7.4   TABLE: Unearthed accessible parts	- Augo	Y Y	jotek Anh	0,0	bir.	Anbote	100	PLOS.	~	rek	Aupor	
Location	Supplemen	ntary inform	nation:	'upo,	Aug of e	day A	otek	Vupo.	ok Pro-	botek	Anb.	
Location	ek Anb	,o.	notek	An	Doles, Vup.	*ek	abotek	Vupo.	e <sub>K</sub>	70	tek b	
Fault conditions   Voltage (V)   Voltage (Vrms or Vpk)   Current (Arms or Apk)   Freq. (Hz)	5.7.4	TABLE:	Unearthed a	icce	ssible parts						N/A	
Current (Arms or Apk)   Current (Arms or Apk)   Freq. (Hz)							Pa	rameters				
Abbreviation: SC= short circuit; OC= open circuit  5.7.5		fault conditions		ns	Voltage (V)							
Abbreviation: SC= short circuit; OC= open circuit  5.7.5	Anbor	by	ntek	nbote	400	/0	otek	Pupo,	77.	-tek	nbo	
5.7.5 TABLE: Earthed accessible conductive part         N/A           Supply voltage (V)	Suppleme	ntary inforr	nation:	, al	Potek Vupos	by.	hotek	Anbor	PLU,	el el	ek v	
Supply voltage (V)	Abbreviation	on: SC= sl	nort circuit; O	C= o	pen circuit							
Supply voltage (V)	Lotek	Anboten	Anbo		abotek A	upore	bu.	otek	Aupotek	P.U.	rek	
Phase(s)	5.7.5	TABLE:	Earthed acc	ess	ible conductive	part	Vien	-otek	Anbotek		N/A	
Power Distribution System: TN TT IT  Location Fault Condition No in IEC 60990 clause 6.2.2 Touch current (mA)	Supply vol	tage (V)	tek Anbo	:	, botek	Anbote	P	in stek	Anbore	Ne	_	
Location Fault Condition No in IEC 60990 clause 6.2.2 Touch current (mA)  Supplementary Information:  5.8 TABLE: Backfeed safeguard in battery backed up supplies N/A  Location Supply voltage (V) Operating and fault condition Time (s) Open-circuit voltage (V) current (A) ES Class Supplementary information:	Phase(s)	, eV	N Aston	po,	[] Single Phase	; [ ] Three	Phase:	[] Delta	] Wye	otek		
60990 clause 6.2.2 (mA)	Power Dis	tribution S	ystem	Pup	□ TN □	] <sub>o</sub> tt	TP	Vupe	rek P	nbot		
5.8 TABLE: Backfeed safeguard in battery backed up supplies N/A  Location Supply voltage (V) Operating and fault condition Time (s) Open-circuit voltage (V) Current (A) ES Class	Location								Co	omme	ent	
5.8 TABLE: Backfeed safeguard in battery backed up supplies N/A  Location Supply voltage (V) Operating and fault condition Time (s) Open-circuit voltage (V) Current (A) ES Class	ino rek	abotek	Pupo,	.V.	hotek	Aupoter	Vun.	-tek	nbotek		Aupo.	
Location Supply voltage (V) Operating and fault condition Time (s) Open-circuit voltage (V) Current (A) ES Class	Suppleme	ntary Infor	mation:		Vu., Polsk	Anborek	b.,	upo.	abore	*	Anbore	
Location Supply voltage (V) Operating and fault condition Time (s) Open-circuit voltage (V) Current (A) ES Class	Aupo.	ol.	botek pri	pole.	And	Nodina.	ek.	Anbo	, ",0	otek	Pupot	
voltage (V) condition voltage (V) current (A)   Supplementary information:	D1.	TABLE:	100	- 0/2		AL .		Dir.	bu.	5.0	20.	
All oter and let about All oter and	Location			Оре		Time (s)					ES Class	
All oter and let about All oter and	Pole.	Anv	anbotek.		Aupo-	, bote <del>l</del>	Anbo	- A	notek.		nborek	
	Dir.	/n		C= 0	pen circuit	Anbotek	ak Ar	Anbotek	Anbotel	- Vo.	Anbotek	





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Lotek	Anbotek Anbo	IEC 62368-1	Antotek Anbotek	Anbo
Clause	Requirement + Test	hotek Anbore	Result - Remark	Verdict

6.2.2	TABLE: Power source	e circuit classific	cations	ipotek Aupore	k Pur	Her P And
Location	Operating and fault condition	Voltage (V)	Current (A)	Max. Power <sup>1)</sup> (W)	Time (S)	PS class
Internal circu	uit Normal	Arrange	Anbatek	>15W&<100W	abote5	PS2

Supplementary information:

Abbreviation: SC= short circuit; OC= open circuit

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

6.2.3.1	TABLE: Determ	ination of Arc	ing PIS	Anbotek Anbor	ok V	otek	N/A
Location		Open circuit after 3 s		Measured r.m.s current (A)	Calculated	d value	Arcing PIS? Yes / No
h. borek	Anbore	Yun Utek -	Anbotek	Anbo.	abotek	Anbore.	Pun
Supplemen	tary information:	Anus	nbot	ek Anbo.	hotek	Anbo	ye. And

6.2.3.2 TABLE: Deter	rmination of resistive PIS	Anbore And Orek	N hotek
Location	Operating and fault condition	Dissipate power (W)	Arcing PIS? Yes / No
All internal circuits	Anbo sek abotek Anbo	An Anbore	Yes
Supplementary information:	Anbour A botek A	nbote And otek And	otek Anbo
Abbreviation: SC= short cir	cuit; OC= open circuit		

8.5.5	TABLE: High	pressure lamp	Y. VU	-otek	Anbore	Anbo	You	by.	N/A
Lamp mar	nufacturer	Lamp type	ı	Explosion	method	Longest as glass par (mm)	ticle	beyor	e found nd 1 m ./ No
Anbo	ter Ann otel	K - nbotek	Aupo.	K br.	botek	Anbore.	PU.	otek.	- 00
Suppleme	ntary information:	ek abotek	Aupor	-re-	work.	Anboten	1	And	. Ye





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wo tek	Anbotek Anbo	IEC 62368-1	Ans wotek Anbotek	Anbo
Clause	Requirement + Test	hotek Anbote.	Result - Remark	Verdict

note.	DUD		Yor	200.	bee	_\_	rote.	AUR	
9.6 TA	ABLE:	Tempera	ture meas	urements	for wireles	ss power t	ransmitter	s	N/A
Supply voltage	(V)			:	otek A	nboter	Ann	anbi	_
Max. transmit p	tter (W)	:	-botek	Anboter	And	ek n	_		
		w/o rece direct o	iver and contact		eiver and contact		ver and at of 2 mm		ver and at of 5 mm
Foreign object	cts	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)
Anbore	An	- Nek	Anbatek	Popo.	ok - k	botek-	Anbore	Ann	k np
Supplementary	inform	nation:	Anbotek	Anbe	Dr. Dr.	hotek	Anboter	Ano	nek .





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-otek	Anbotek Anbo	IEC 62368-1	Antotek Anbotek	Yupo.
Clause	Requirement + Test	P. Potek Anbote	Result - Remark	Verdict

5.4.1.4, 6.3.2, 9.0, B.2.6	TABLE: Temperature measure	ements	Anbotek Anbotek	Anbote Anbote	otek Anbot	orek P Ant
	Supply voltage (V)	See b	pelow	Ve bu	-otek	
	Tma (°C)	25.0	Adjust to 40	hote.	Anbotek	
Maximum m part/at:	easured temperature T of		T (°	C)		Allowed T <sub>max</sub> (°C)
PCB near Q	11 ak hotek Anboten	44.6	59.6	Popor	bu.	130
PCB near L	Pore Annatek Anborek	48.0	63.0	iek -Aup	bu	130
PCB near Q	2 hbote And arek Anbot	45.0	60.0	botek p	"upole.	130
PCB near U	10 Anboten Anbotek Ant	42.3	57.3	hotek-	Pupoter.	130
PCB near U	2 Anbotek Anbo tek	43.2	58.2	bli.	Antoren	130
Internal wire	ek Anborek Anbo	41.2	56.2	Ans -otek	- nbote	80
Enclosure in	nside near PCB	37.4	52.4	And	tel - anb	60 N
Enclosure or	utside near PCB	33.7	48.7	Anb	rek	60*
Support surf	ace Andrew	32.4	47.4	ocien - by	up. tek	60
LED lamp	Anbo. Anbotek Anb	48.6	63.6	Albotek -	Milon ok	Ref.
Ambient	Anbo. Al botek	25.0	40.0	Anbotek	Anbo.	Pr.

## Supplementary information:

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

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)	Insulation class
Anbotek nbotek	Yupo,	Pr. Potek	Anbore	- And	otek-	anborek	VOpo.

## 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)

Note 3: The EUT supply by 12V DC 3A source



Hotline



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work.	Anbotek Anbo	IEC 62368-1	And Anbotek	Aupo.
Clause	Requirement + Test	Anborek Anbore	Result - Remark	Verdict

B.2.5	TAB	LE: Input	test knbot					All Lote P an
U (V)	Hz	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status
12VDC	Anbote Ant	1.383	Anbatek	16.60	Anbotek Anbotek Anbotek	Anbotek Anbotek Anbot	Anboren Anboren Anboren	The product is powered by a DC source of 12VDC, the product normal working

B.3, B.4 TAB	BLE: Abnormal o	perating a	and fault	condition t	ests	Aupo	abole P
Ambient tempera	ture T <sub>amb</sub> (°C)	daq	ore.	Vun	25.0	Aupo	_
Power source for	EUT: Manufactur	er, model	/type, out	putrating:	K Anbotek Anbot		
Component No.	Condition	Supply voltage (V)	Test time	Fuse no.	Fuse current (A)	Observation	on
The prototype is	powered by a DC	source of	12VDC	0, b,	hotek	Anboten And	rek
U1 pin 1-5	S-C	12VDC	10mins	Aupotek Vapotek	Anbotek	Unit shut down imn no harm, damage of explosion.	
U4 pin 4-5	Anbade S-C Anbade	12VDC	10mins	Fupo,	ek - Vu	Unit normal working hazard, no damage explosion.	
Q1 pin S-D	S-C	12VDC	10mins	upotek M	Anbotek botek	Unit shut down imn no harm, damage of explosion.	
C16	S-C	12VDC	10mins	Anbotek Anbotek	- Anbor	Unit shut down imn no harm, damage of explosion.	600
Supplementary in	formation:	rek	Anbotel	Anbox	- o/e	botek Anbores	Pup



Hotline



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work .	Anbotek Anbo.	IEC 62368-1	Ambotek Anbotek	Aupo
Clause	Requirement + Test	k botek Anbote	Result - Remark	Verdict

201	D11.	704	~ 0	10-		-1/-		10°	Dir	4.5	_50
M.3	TABLE: Pr	otection circu	iits for	batterio	es provid	ed w	/ithin	the equ	uipment	HEK	N/A
Is it possible t	to install the	battery in a rev	verse p	oolarity p	osition?.	pole		AUG	16K	nbote	_
					Cl	nargi	ng				
Equipment S	pecification		Volta	age (V)			Current (A)				
		-tek	"Upor	0	Vur.		50	rek.	Aupo.		-tek
					Battery	spec	ificati	on			
		Non-rechargeable batteries			Rechargeable batteries						
		Discharging	0 0		Charging				Discharging		
Manufactu	urer/type	current (A)			Voltage (V) Cu		Curr	ent (A)	current (A)		charging current (A)
OUL PLAN		-hotek Al	100		- rek	~ <	(PD 10	D)	- de	-	-poler
Note: The tes	ts of M.3.2 a	re applicable o	nly wh	en above	e appropri	ate c	lata is	not ava	ilable.		
Specified batt	tery tempera	ture (°C)	onte	otek	Anbo	:	h.	ootek	Anbore	M	
Component No.	Fault condition	Charge/ discharge mo	ode	Test time	Temp. (°C)		rrent A)	Voltage (V)	e Ok	ser\	/ation
ALPOIT	b2	100% 100		AUDO	- 10	3	ek	Mpor	by,	E.	-04-
	dag No	D	101-	do	150 m	100			olok	Anbe	), by

#### Supplementary information:

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

M.4.2	TABLE: battery	Charging sa	feguards for	equipment c	ontaining a	secondary lith	hium N/A
Maximum	specified o	charging voltag	e (V)	Mpore	An Lotek	Anbotek	Anbo
Maximum	specified o	charging currer	nt (A)	Vaposen	Nu otek	Anbotek	Pu
up- otek	Anbotek	Aupor	k spotek	Anbore	Ande	k anbotek	
Lowest sp	ecified cha	arging tempera	ture (°C)	iek liupo <sub>k</sub>	And	otek anbot	ek
Battery		Operating		Measurement	t	Obse	ervation
manufactu	urer/type	and fault condition	Charging voltage (V)	Charging current (A)	Temp. (°C)		
	Lotek	Mupo,	Br.	"pole"	-5up	rotek	Aupo,

#### Supplementary information:

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

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









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work.	Anbotek Anbo.	IEC 62368-1	And work Anborek	Aupo
Clause	Requirement + Test	A. Anbote.	Result - Remark	Verdict

Q.1	TABLE: Circuits inten	TABLE: Circuits intended for interconnection with building wiring (LPS)  N/A									
Output	Condition	U <sub>oc</sub> (V)	Time (s)	I <sub>sc</sub>	(A)	S (VA)					
Circuit				Meas.	Limit	Meas.	Limit				
potek	bupo Potek	Anbore.	Vu.	- nbot	Sk - Vup,	- N	Yerode				

400		ak ho	267	750,	1000		W NO.	
T.2, T.3, T.4, T.5	TABLE	: Steady force test	Anbotek	ek Anbo	yek .	Anbotek	Anborek Anb	
Part/Location	1	Material	Thickness (mm)	Probe	Force (N)	Test Duration (s)	Observation	
Top enclosur	enbor	See table 4.1.2	See table 4.1.2	Aupolek V	100N	5Anu nek An	No damaged, no hazard	
Bottom enclosure See table 4.1.2		Anbotek	k apole	100N	ibotek5	No damaged, no hazard		
Side enclosu	de enclosure See table 4.1.2		tek Vupou	lotek - Pr	100N	Anbotek	No damaged, no hazard	
Supplementa	ry inforr	mation:	atek pa	nbotek	Anbore	bu.	Anbotes.	

T.6, T.9 TABLE: Imp	act test	k hotel	K Anbore	Ann	N/A	
Location/part	Material	Thickness (mm)	Height (mm)	Observation		
k hotek Anbo	lek Aupo	abotek - P	upore P	hotek -nt	lotek bu	
Supplementary information	Botek Anbo.	abovek.	Anbore.	Ant	upotek	

T.700 tell	TABLE: Dro	p test	Anbore	K Wotek	Anbote	Aupo	N/A	
Location/part		Ma	Material		Height (mm)	Observation		
- An	stek nabo	lek Aupo	ok bu	botek A	pose, V	- otek vul	otek Ant	
Supplemen	ntary information	n:otek A	Joos P	notek.	Anbotek	And	nbotek	







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Lotek	Anborek Anbo	IEC 62368-1	Ant Lotek Anbotek	Vupo.
Clause	Requirement + Test	A Anbore	Result - Remark	Verdict

T.8 TABLE	: Stress relief to	est	ek Anbore A	no tek	Anbotek	P.bc
Location/Part	Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observ	ation
Plastic enclosure	See table 4.1.2	See table 4.1.2	Inbot 70 Ambotek	7 <sub>Anbore</sub>	No dama haza	12.00
Supplementary infor	mation:	Vupo,	botek Anbo	S. Pur	*ek	aborek

X hotek	TABLE: Alternat	ABLE: Alternative method for determining minimum clearances distances				N/A
Clearance di between:	stanced	Peak of working (V)	/oltage	Required cl (mm)	Measur (mm	
orek Ant	or bu	k Aupoter	VUD.	k abotek	Wipor Nr.	hotek
Supplementa	ary information:	otek Anbotek	Anbo	ek stotek	Anbore	in otek





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Report No. 18220WC40018703S

Loiek .	Anbotek Anbo	IEC 62368-1	And work Anborek	Aupo
Clause	Requirement + Test	abotek Anbote.	Result - Remark	Verdict

4.1.2 TAI	BLE: Critical compo	onents informatio	n Anbore	Ans Lotek At	hotek Pube
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity <sup>1)</sup>
Plastic Enclosure	FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV	AC230(+)	HB,60°C	UL 94	UL E162823
PCB	Shenzhen Huaqiu Electronics Co Ltd	HQPCB-4(ASP 1)	V-0, 130°C	UL 796	UL E469747
-Alternative	Interchangeable	Interchangeable	V-0, 130°C	UL 796	UL sek All

## Supplementary information:



<sup>1)</sup> Provided evidence ensures the agreed level of compliance. See OD-2039.

<sup>&</sup>lt;sup>2)</sup> Description line content is optional. Main line description needs to clearly detail the component used for testing.



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"upotek	Aupo, rek	IEC62368_1E- ATTAC	CHMENT	abotek Ar
Clause	, Pupe,	Requirement + Test	Result - Remark	Verdict

## ATTACHMENT TO TEST REPORT

## IEC 62368-1

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

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

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

Attachment Form No...... EU\_GD\_IEC62368\_1E

Attachment Originator .....: UL(Demko)

Master Attachment ...... 2021-02-04

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







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, P	IEC62368_1E	- ATTACHME	Albo Projek	anbore
Clause	Requirement + Test	Anbotek	Result - Remark	Verdic
.3.19.1	momentary exposure level, MEL	Anbotek	Aupor Au	N/A
Anbore Anbor	metric for estimating 1 s sound exposure the HD 483-1 S2 test signal applied to bot based on EN 50332-1:2013, 4.2.			potek Anbo
	Note 1 to entry: MEL is measured as A-weighted le	evels in dB.		Anbo
	Note 2 to entry: See B.3 of EN 50332-3:2017 for act information.	3-03		Anborek
3.19.3	sound exposure, E	brupo, otok	Anbotek Anbote	N/A
	A-weighted sound pressure (p) squared a integrated over a stated period of time, 7			otek An
	Note 1 to entry: The SI unit is $Pa^2$ s.	Anbotek A		inpotek
	$E = \int_{0}^{\infty} p(t)^{2} dt$	Anbotek		An Anbotek
3.19.4	sound exposure level, SEL	Pupor	ek botek Anbote	N/A
	logarithmic measure of sound exposure reference value, $E_0$ , typically the 1 kHz threshold of hearing in humans.	relative to a		nbotek nbotek
	Note 1 to entry: SEL is measured as A-weighted le	vels in dB.		Anbotek
	$SEL = 10 \lg \left(\frac{E}{E_0}\right) dB$	Anbotek Anbotek		tek Anbore
	Note 2 to entry: See B.4 of EN 50332-3:2017 for ac	dditional		hotek
3.19.5	information.  digital signal level relative to full scale	e. dBFS	Anbo A. Anbotek	N/A
	levels reported in dBFS are always r.m.s level, 0 dBFS, is the level of a dc-free 99 Hz sine wave whose undithered positive is positive digital full scale, leaving the corresponding to negative digital full scale	. Full scale 7- peak value ode		ek Anborek
potek Potek	Note 1 to entry: It is invalid to use dBFS for non-r.m Because the definition of full scale is based on a si level of signals with a crest factor lower than that of may exceed 0 dBFS. In particular, square wave sig +3,01 dBFS.	ne wave, the f a sine wave	Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
	Modification to Clause 10			N/A
0.6 Anbot	Safeguards against acoustic energy so Replace 10.6 of IEC 62368-1 with the follo		stek Anbotek Anbot	N/A
	Introduction	7/11/9.	Lorek and	D. P.









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200	-poter And	Not Not	(po.	Note:	200
Clause	Requir	ement + Test	abotek	Result - Remark	Verdic
VUPOLE.	Ann hote	yk bupo,	No.	Vupoles Vun	ok hotek
	Safeguard requirement			h. tek abo	Vur.
	term exposure to exces			ek aupo, v	100
	levels from personal mu	usic players closely of	coupled	atek on	Pos
	to the ear are specified	below. Requirement	ts	otek Anbo. A.	-set
	for earphones and head			otek	Vupo, by
	personal music players		. 400 11111	hotek Anbo	Yare
	CONT.		o <sup>ter</sup>	Anti	Aupo.
	A personal music playe			hotek Anbe	Net
	intended for use by an	<b>ordinary person</b> , th	at:	Ann K work	AUDO.
				poten And	otek .
	<ul> <li>is designed to allow t</li> </ul>	the user to listen to a	audio or	Arra K Mott	Sk Tupo
	audiovisual content / ma			K abote And	v
	- uses a listening device		nes or	All	oter Anbo
			1100 01	ek abote. An	V.
	earphones that can be	WOITI III OF OIT OF		o, bii.	poyer Ar
	around the ears; and	notek anbo.	Pr.	stek abote	Vien
	<ul> <li>has a player that can</li> </ul>			upo, M.	poter
	suitable to be carried in	a clothing pocket) a	ınd	tek above	Vier.
	is intended for the user	to walk around with	while in	Vupo. W. Pak	aboye.
	continuous use (for exa			otek anbore	bu.
	in a subway, at an airpo			Anbo	K abore
	in a subway, at an anpe	ort, Gto.j.		dek Aupor	100
	EXAMPLES Portable CD play	vers MP3 audio plavers	mobile solic	Anbo	rek nbos
	phones with MP3 type feature	es PDAs or similar equip	ment	L otek and	O. D.
	priories with wir o type reatare	oo, i bi to oi oiiimai oquip	L w	tek Anbo	rek on
	Personal music players	shall samply with th	Ans	k hotek	Jupo.
	Personal music players		ie	hotel And	Note:
	requirements of either 1	10.6.2 or 10.6.3.		ur k potek	Anbo
	NOTE AD A STORY	rupo, bi.	40.	shorter And	Nek-
	NOTE 1 Protection against a		om telecom	VII.	AUD
	applications is referenced to I	11U-1 P.360.		spores And	, otek
	NOTE 2 It is the intention of t	ha Cammittaa ta allaw th	o altornativo	Arr. ak hotel	Pupo
	methods for now, but to only		e alternative	Those Mus	V 10046
	measurement method as give		refore	bu.	View Vup
	manufacturers are encourage			rek abore Arr	-V- V
	possible.	v -otek		Pr.	abote. Ani
	All			rek anbore A	, V
	Listening devices sold s	separately shall com	ply with	po. K. rek	abolo
	the requirements of 10.			stek Aupor	Di.
	These requirements are		rideo	Anbo kek	abole
	AU	s valid for thusic of v	iueo	otek Aupor	br.
	mode only.	Die.		Anbo	Papore
	The requirements do no			-otek Anbo	P. 60
	- professional equipme	nt;		Anb	tek vupo,
				K KOTEK ANDO	P.
	NOTE 3 Professional equipm	ent is equipment sold thr	ough	Ano	-otek nob
	special sales channels. All pr	oducts sold through	Vien	ok notek at	100
	normal electronics stores are	considered not to be pro	fessional	port And	workey.
	equipment.			wek woter	And
				abote And	-o'lek
	- hearing aid equipmen	t and other devices	for	by hotel	AUD
	assistive listening;	Anbo	Yex	anbore Amb	otek
		nalogue personal m	nieic	by poten	PLUC
	- the following type of a	maiogue personal m	iusic	abore And	ak notel
	players:	y stek		A. Lot	AUD
	<ul> <li>long distance radio red</li> </ul>			ok anbore Ame	.V
	multiband radio receive	r or world band radio	o pupor	P. Calk	pote, Vuo
	receiver, an AM radio re			stek subote An	Na
	<ul> <li>cassette player/record</li> </ul>			o. A. Lak	abote. At
	cassette player/record	hotek Anbo		stek sabore	bre.
		been allowed because th		700. by	1-04







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)v P	Motek Anbore MEC	C62368_1E- ATTAC	JI IIVI EIN I	otek anbore
Clause	Requiremen	t + Test	Result - Rer	mark Verdic
Vipolei	toobpology is folling out of you and it	io over acted that	stek Mpoles I	Tun Parek
	technology is falling out of use and it within a few years it will no longer ex extended to other technologies.		not be	Anbores Anbo
	- a player while connected to		er Anbotek Anbore	k abotek Ar
	that does not allow the user to while in use.	o walk around	Anbotek Anbot	stek Anbotsk
	For equipment that is clearly primarily for use by children,		d Anbotes And	nbotek Anbotek
	relevant toy standards may a		otek Anbotek	Anbotek Anbor
	The relevant requirements ar EN 71-1:2011, 4.20 and the rand measurement distances	elated tests method	s Antorek Anborek	Anbotek And
0.6.1.2	Non-ionizing radiation from		in abote probable	N/A
J.O. 1.2	the range 0 to 300 GHz	bolek Anbu	k Anbotek Anbo	re Ann IVA
	The amount of non-ionizing ra			bo, hi mbotek
	12 July 1999 on the limitation	of exposure of the	hotel Anbore	Anbot Anbot
	general public to electromagr GHz).	VI.	anboten Anbo	Anti-
	For intentional radiators, ICN be taken into account for Lim			ak botel
	Varying Electric, Magnetic, ar Fields (up to 300 GHz). For h	nd Electromagnetic	Anbotek Anbot	tek Andatek
	mounted devices, attention is and EN 50566.		Pek Anbotek An	botek Anbotek
0.6.2	Classification of devices wi	ithout the capacity	to estimate sound dos	se N/A
).6.2.1	General	Anbol	clek Vupojec	N/A
7.0.2.1	tek Anbore Ans		Anbo K Kotek	Anbore Ar.
	ok botek Anbor		Anbores And	k hotek
	This standard is transitioning (30 s) requirements to long-te	erm based (40 hour)	Anboro Arr	stek vupclek
	requirements. These clauses for devices that do not comply		y Anbotek Ant	sotek Albotek
	estimation as stipulated in EN	N 50332-3.	botek Anbotes	Anbotek Anbotel
	For classifying the acoustic o measurements are based on		anborek Anbore	And Anbrok
	equivalent sound pressure le		od.	k Anbotek A
	For music where the average			otek Anbolek
	term LAeq, 7) measured over the is lower than the average pro	duced by the	Yupo K	abotek Anbotek
	programme simulation noise, done over the duration of the	complete song. In t		Anbotek Anbotek
	case, T becomes the duration	n of the song.	Anborek Anbor	Anbotek Anbo
	NOTE Classical music, acoustic mus has an average sound pressure (long	g term $L_{Aeq, \tau}$ ) which is m	uch	Anbotek Ar
	lower than the average programme s the player is capable to analyse the			tek anbotek









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Clause	Paguiroment / Test	Result - Remark Verdic		
Clause	Requirement + Test	Result - Remark	verdic	
VUPOJO.	the programme simulation noise, the warning does not need to	ho Mhore And	*Porek	
	given as long as the average sound pressure of the song does		Alle	
	exceed the required limit.	poter Aupo	k Vupo,	
	For example, if the player is set with the programme simulation	ok hotek Anbo	Pro-	
	noise to 85 dB, but the average music level of the song is only to	65 A	otek Ar	
	dB, there is no need to give a warning or ask an acknowledgement as long as the average sound level of the so	ng stek anbotes Ame		
	is not above the basic limit of 85 dB.	ing hupo.	above	
0.6.2.2	RS1 limits (to be superseded, see 10.6.3.2)	shorter Ando	N/A	
re/k	abotek Anbo	Arr. Pek abotek	AUDO	
	RS1 is a class 1 acoustic energy source that does	ek anbore Air	aboten	
	not exceed the following:	niek Anboro	Dr.	
	- for equipment provided as a package (player with	Joseph Aribo	, upo	
	its listening device), and with a proprietary connect	or ok botek Anbe	V	
	between the player and its listening device, or whe	re	yek An	
	the combination of player and listening device is	And And And	V-	
	known by other means such as setting or automatic	C Impor	poie	
	detection, the $L_{Aeq}$ , $\tau$ acoustic output shall be $\leq 85$ d	The state of the s	*ek	
	when playing the fixed "programme simulation nois		Vupo.	
	described in EN 50332-1.	k aboter And	hotek	
	for equipment provided with a standardized	Air.	VUD	
	connector (for example, a 3,5 phone jack) that allow	ws	Nod's	
	connection to a listening device for general use, the		Pili	
	unweighted r.m.s. output voltage shall be ≤ 27 mV		rek not	
	(analogue interface) or -25 dBFS (digital interface)	An botek Anbo		
	when playing the fixed "programme simulation nois	e" hore And	hotek	
	described in EN 50332-1.	otek anboye, Ar	No.	
	and the state of t	Anbo. A. sek	"upole"	
	- The RS1 limits will be updated for all devices as	k botek Anbo	-tek	
'Un	per 10.6.3.2.	Ann k hotek	Pupo	
0.6.2.3	RS2 limits (to be superseded, see 10.6.3.3)	otek Anbore Arr.	N/A	
	Anbore And aboten And	k solek Anbor	Die.	
	RS2 is a class 2 acoustic energy source that does	abotek Anbe	ek anb	
	not exceed the following:	ak botek Anbe		
	- for equipment provided as a package (player with		oten	
	its listening device), and with a proprietary connect		40	
	between the player and its listening device, or whe	n Anbo her stek	anbore	
	the combination of player and listening device is	Potek Pupo	-tek	
	known by other means such as setting or automatic	c And k hotek	ANDO	
	130 detection, the LAeq, 7 acoustic output shall be ≤	tek anbore. Ant	note	
	100 dB(A) when playing the fixed "programme	A. Aboten	VUL	
	simulation noise" as described in EN 50332-1.	Polek Aupo, VI	do N	
	- for equipment provided with a standardized	k rotek Anbor	511.	
	connector (for example, a 3,5 phone jack) that allow	ws poter	otek	
	connection to a listening device for general use, the			
	unweighted r.m.s. output voltage shall be ≤ 150 m\		poler	
	(analogue interface) or -10 dBFS (digital interface)	otek anbote	Alle	
	when playing the fixed "programme simulation nois	se" Maria	Moore	
	as described in EN 50332-1.	ek botek Anbo	h. Ack	
0.6.2.4	RS3 limits	An abolek	N/A	
7. U. L. T	All tak aboten Ambo	work Anbor An	( N/A	
		0	V. Lan	
	RS3 is a class 3 acquistic anargy course that	V ster anbo	9.0	
	RS3 is a class 3 acoustic energy source that exceeds RS2 limits.	totek Anbotek Anbo	otek	







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Clause	Requirement + Test	Result - Remark	Verdict
Clause	rtequilement + rest	Result - Remark	Anb V Graice
).6.3.1	General	ek Aupo, W. Polek	N/A
	Anbor Anbor An	tek anbotek Anb	4 50
	Previous limits (10.6.2) created abundant false	Do, W. Fek Upoge	DUL
	negative and false positive PMP sound level	Potek Aupo, W.	rek so
	warnings. New limits, compliant with The	And K sotek Anb	Dr.
	Commission Decision of 23 June 2009, are given	aboten And	MOVEK
	below.	Al. Alek aboten A	July - K
.6.3.2	RS1 limits (new)	Anbe	N/A
	And k sotek Anbors Arr	K aboten And	Lotek
	RS1 is a class 1 acoustic energy source that does	Al. aboter	AUD
	not exceed the following:	otek Anbore All	100%
	<ul> <li>for equipment provided as a package (player with</li> </ul>	h stek Anbore	Die
	its listening device), and with a proprietary connected	or arek Anbe	rek no
	between the player and its listening device, or when	ie ak hotek Anbe	
	the combination of player and listening device is	mbote. And	hotek
	known by other means such as setting or automatic	tek above. Ar	-K
	detection, the $L_{Aeq,\tau}$ acoustic output shall be $\leq 80$ d		apole.
	when playing the fixed "programme simulation nois		br.
	described in EN 50332-1.	And	Rupor
	- for equipment provided with a standardized	all boten Anbo	036
	connector (for example, a 3,5 phone jack) that allow	WS AND	Anbe
	connection to a listening device for general use, the		4. 40
	unweighted r.m.s. output voltage shall be ≤ 15 mV		Ar.
	(analogue interface) or -30 dBFS (digital interface)	hotek Anbo. A.	401-
	when playing the fixed "programme simulation nois	9"	100,
	described in EN 50332-1.	e aboren Anti	Motek
.6.3.3	RS2 limits (new)	A. stek "upote.	NI/A
.0.0.0	And Annual (1104)	Anbo	N/A
	RS2 is a class 2 acoustic energy source that does	And Andrew	ore!
	not exceed the following:	All sek shotek	Anbe
	- for equipment provided as a package (player with	olek Anbore And	d- 40
	its listening device), and with a proprietary connecte		Arra
	between the player and its listening device, or when		ateV .
	the combination of player and listening device, or when	All ok botek Ant	20.
	known by other means such as setting or automatic	anbore, And	notek
	detection, the weekly sound exposure level, as	stek subote.	VILLE
	described in EN 50332-3, shall be ≤ 80 dB when	Aupo. W. Tok	"pose"
	playing the fixed "programme simulation noise"	ok hotek Anbor	b.
	described in EN 50332-1.	And K motel	Aupo,
		lek aboter And	VC
	- for equipment provided with a standardized	bo Air bote	Aup.
	connector (for example, a 3,5 phone jack) that allow		404
	connection to a listening device for general use, the		,o,
	unweighted r.m.s. output level, integrated over one		Nek-
	week, as described in EN50332-3, shall be ≤ 15 m\	Your Motek	AUPO
	(analogue interface) or -30 dBFS (digital interface)	" Anbore And	potek
	when playing the fixed "programme simulation nois	e" Aboter	Dur
anboro	described in EN 50332-1.	ek Aupor Arr	poter
.6.4	Requirements for maximum sound exposure		N/A
.6.4.1	Measurement methods	oo, ku potej	N/A
	MILL TELL "UPO IN.	ok sport Arm	IN/A
	ek bo. h.	010 011	101
	All volume controls shall be turned to maximum	Ambore Am	oten Ar







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Clause	Requirement + Test	Result - Remark	Verdict
- Horaco	Anti-her Ant	An Rossik Remains	Anb Graide
Aupo.	white and the seek shotek	Aupo	VUpose
Anboten	Measurements shall be made in accordance with EN 50332-1 or EN 50332-2 as applicable.	k Anbotek Anbotek	Anboi
0.6.4.2	Protection of persons	otek Anbo tek abote	N/A
	Except as given below, protection requirements for parts accessible to ordinary persons, instructed persons and skilled persons are given in 4.3.	Anbotek Anbotek Anb	otsk otsk
	NOTE 1 Volume control is not considered a <b>safeguard</b> .	Anbotek Anbotek	anbotek
	Between RS2 and an ordinary person, the basic safeguard may be replaced by an instructional	Anbotek Anbotek	Anbor
	safeguard in accordance with Clause F.5, except that the instructional safeguard shall be placed on	otek Anbotek Anbotel	K An'
	the equipment, or on the packaging, or in the instruction manual.	Anbotek Anbotek Anbr	hotek
	Alternatively, the <b>instructional safeguard</b> may be given through the equipment display during use.	Anbotek Anbotek A	upotek ur
	The elements of the <b>instructional safeguard</b> shall be as follows:	Anborek Anborek	Anbore
	- element 1a: the symbol , IEC 60417-6044	notek Anbotek Anbotek	An'
	(2011-01)  – element 1a: the symbol 2 3, IEC 60417-6044  (2011-01)  – element 2: "High sound pressure" or equivalent	Anbotek Anbotek Anbo	hotek
	wording  - element 3: "Hearing damage risk" or equivalent	Anbotek Anbote Ar	anbotek
	wording  – element 4: "Do not listen at high volume levels for	Anbotes Anbotek	Anbote
	long periods." or equivalent wording	lek Anbotek Anbotek	Anb
	An <b>equipment safeguard</b> shall prevent exposure of an <b>ordinary person</b> to an RS2 source without	botek Anbotek Anbot	e <sub>k</sub>
	intentional physical action from the <b>ordinary person</b> and shall automatically return to an output level not	Anbotek Anbotek An	botek
	exceeding what is specified for an RS1 source when the power is switched off.	Anbotek Anbore	Anborel
	The equipment shall provide a means to actively inform the user of the increased sound level when	ek Anbotes Anbotek	Anbo
	the equipment is operated with an output exceeding RS1. Any means used shall be acknowledged by the	boter Anbotek Anbot	D. A.
	user before activating a mode of operation which allows for an output exceeding RS1. The	Anbotek Anbotek Ant	otek
	acknowledgement does not need to be repeated more than once every 20 h of cumulative listening	Anbotek Anbotek	Anbotek
	NOTE 2 Examples of means include visual or audible signals	k Anbotek Anbo,	Anbo
	NOTE 2 Examples of means include visual or audible signals. Action from the user is always needed.	otek Anboro An	k br
	NOTE 3 The 20 h listening time is the accumulative listening time, independent of how often and how long the personal music player	aboter Anbo	Net O







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bo, b	IEC62368_1E- ATTACHMI	ENTO	o'le.
Clause	Requirement + Test	Result - Remark	Verdict
Aupore.	has been switched off.	Anbore, Ant	aborek
	nas been switched on.	k hotek Anbore	Dis.
	A <b>skilled person</b> shall not be unintentionally exposed to RS3.	tek Anbotek Anbotek	Anbo.
0.6.5	Requirements for dose-based systems	po. W. Wolek Aupole	N/A
0.6.5.1	General requirements	Aupolis Aug	N/A
	Anbor An otek Anboren Anb	botek Anbo. An	ate/
	Personal music players shall give the warnings as	All All abotek A	Upo
	provided below when tested according to EN 50332-	Anbor Al. atek	aboter
	3, using the limits from this clause.	ek shotek Anbo	N. 048
	The manufacturer may offer optional settings to	Arr tek abotek	Aupo
	allow the users to modify when and how they wish to	otek Anbor Ar tek	day
	receive the notifications and warnings to promote a	sek shotek Anbo	bear
	better user experience without defeating the	ambore Am	166
	safeguards. This allows the users to be informed in a	botek Anbor An	rek
	method that best meets their physical capabilities	Ann sek shotek Ar	100
	and device usage needs. If such optional settings	Anbore And	abotek
	are offered, an administrator (for example, parental	k hotek Anbore	146
	restrictions, business/educational administrators, etc.) shall be able to lock any optional settings into a	And ak botek	Anbo.
	specific configuration.	stek anbote, Anti-	'0
	specific configuration.	k hotek anbore	Di.
	The personal music player shall be supplied with	aboter And	elt 1
	easy to understand explanation to the user of the	otek Anbote And	40.
	dose management system, the risks involved, and	Anbe k wotek An	DOLO
	how to use the system safely. The user shall be	anboten Anb	hotek
	made aware that other sources may significantly	Ar atek Anboter	bur
	contribute to their sound exposure, for example	Anbo. A. otek	Aupole
	work, transportation, concerts, clubs, cinema, car	lek abotek Anbo	100
0.6.5.2	races, etc.  Dose-based warning and requirements	K kotek Autotei	NI/A
Anb Anb	AND TO SUBSECT WATERING AND TO COMPANY	apoter And	N/A
	When a dose of 100 % CSD is reached, and at least	botek Anbor Ar.	rek
	at every 100 % further increase of CSD, the device	Ans tak shotek Ant	30
	shall warn the user and require an	Anbore All	poter
	acknowledgement. In case the user does not	botek Anbo	A stek
	acknowledge, the output level shall automatically decrease to compliance with class RS1.	Arr.	Pupo
	assistant to compilation that older to i.	tek Aupo, Vi.	agbo
	The warning shall at least clearly indicate that	tek abotek Anbo.	he.
	listening above 100 % CSD leads to the risk of	poor All	P.L
otek a	hearing damage or loss.	hotek Anbor Air	Jet-
0.6.5.3	Exposure-based requirements	And tek anbotek Anb	N/A
	With only does based requirements, source and	Anbo, Ai,	nooter
	With only dose-based requirements, cause and effect could be far separated in time, defying the	spotek Anbo.	notek.
	purpose of educating users about safe listening	An abotek	AUPO
	practice. In addition to dose-based requirements, a	ek Aupor All	abor
	PMP shall therefore also put a limit to the short-term	ek botek Anbo.	bre
	sound level a user can listen at.	por Au	An
	bor An tek nbotek Anbo	notek Anbore An	You
	The exposure-based limiter (EL) shall automatically	in tek into	) '







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	Page of 0191	Report No. 16220VV	C400107033		
IEC62368_1E- ATTACHMENT					
Clause	Requirement + Test	Result - Remark	Verdict		
worek.	Turn, to, tok "upo. Hun	L Loiet Ante	TABK.		
Potek Vipo	reduce the sound level not to exceed 100 dB(A) or 150 mV integrated over the past 180 s, based on methodology defined in EN 50332-3. The EL settling time (time from starting level reduction to reaching target output) shall be 10 s or faster.	nhotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotel Anbotel Anbotek		
	Test of EL functionality is conducted according to EN 50332-3, using the limits from this clause. For equipment provided as a package (player with its listening device), the level integrated over 180 s shall be 100 dB or lower. For equipment provided with a standardized connector, the unweighted level integrated over 180 s shall be no more than 150 mV for an analogue interface and no more than -10 dBFS for a digital interface.	Anbotek Anbotek Anbotek Anbotek	Ambotek Ambotek Ambotek Ambotek Ambotek Ambotek		
	NOTE In case the source is known not to be music (or test signal) the EL may be disabled.	Anborek Anborek	Antotek		





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27	botek	Anbo. tek	IEC62368_1E- A	TTACHMENT	Auportek	anbotek An
	Clause	Anbo Lotek	Requirement + Test	abotek Anboth	esult - Remark	Verdict

10.6.6	Requirements for listening devices (headphones,	earphones, etc.)	N/A
10.6.6.1	Corded listening devices with analogue input	otek Anbotek Anb	N/A
	With 94 dB LAeq acoustic pressure output of the	tek abotek Anbo	h.
	listening device, and with the volume and sound	inpose Air	ier b
	settings in the listening device (for example, built-in	notek Anbore All	400
	volume level control, additional sound features like	Anbo Landek A	porc
	equalization, etc.) set to the combination of positions	poter Anbo	. otek
	that maximize the measured acoustic output, the	VI., Tek Spoter	AUD.
	input voltage of the listening device when playing the	k anbore Arr	abote!
	fixed "programme simulation noise" as described in	atek Anbore	Die
	EN 50332-1 shall be ≥ 75 mV.	otek Anbo	Anb
	LIN 30332-1 Stidil De = 13 titv.	tek abotek Anbo	V
	NOTE The values of 94 dB and 75 mV correspond with 85 dB and	mbore All	Er P.
	27 mV or 100 dB and 150 mV.	otek Anbore An	40.
0.6.6.2	Corded listening devices with digital input	And Arek Ar	N/A
	And Mek Anbort And	poten Anbu A.	TWA.
	With any playing device playing the fixed	Arr botek	VUP.
	"programme simulation noise" described in EN	Antore Ant	botek
	50332-1, and with the volume and sound settings in	otek Anbore	Villa
	the listening device (for example, built-in volume	tek Anbo hek	anbo
	level control, additional sound features like	ok botek Anbo	h
	equalization, etc.) set to the combination of positions	abore And ak bot	OK DI
	that maximize the measured acoustic output, the	otek Anbore Ans	40.
	LAeq, <i>⊤</i> acoustic output of the listening device shall be	Anbo. A. stek and	ooto.
	≤ 100 dB with an input signal of -10 dBFS.	botek Anbo	rek
0.6.6.3	Cordless listening devices	And hotel	N/A
	And ak abotek Anbo Arek	Anbore An	Potoker
	In cordless mode,	ntek napore	Vu.
	- with any playing and transmitting device playing	rek Anbe	Vupo,
	the fixed programme simulation noise described in	ak botek Anbo	· ·
	EN 50332-1; and	bore Arrange both	E DU
	- respecting the cordless transmission standards,	otek Anbore Ans	40.
	where an air interface standard exists that specifies	Anbo atek ant	010
	the equivalent acoustic level; and	-potek Anbo	- stek
	<ul> <li>with volume and sound settings in the receiving</li> </ul>	Arr botek	rupo !
	device (for example, built-in volume level control,	Anbore Ans	potek
	additional sound features like equalization, etc.) set	otek anbore	Die.
	to the combination of positions that maximize the	ar Ando	Aupon
	measured acoustic output for the above mentioned	rek spotek Aupo	100
	programme simulation noise, the <i>L</i> Aeq, <i>⊤</i> acoustic	por An	AUL
	output of the listening device shall be ≤ 100 dB with	notek Anbore And	40.
	an input signal of -10 dBFS.	And who where	0.50
0.6.6.4	Measurement method	above. And	N/A
	aboten Anbote	Ar spoten P	Upo I W
	Measurements shall be made in accordance with EN	Anbor An	aboter
		V	Plan
	50332-2 as applicable.	V oter and	







			potek NEO	C62368_1E	- ATTACHME	120 ce			
Clause	YUP.	rek	Requiremen	t + Test	hotek hotek	Result	- Remark	Ve	rdict
Abotel.	D	Up.	in seek	pupo,	Kun	bolek	NUpp.	Pa-	orek.
Anbotek	Del list:		country" notes	in the refer	ence documer	nt according	to the following	ik Vur	P unbo
Anbor	1016	0.2.1	Note 1 and 2	1	Note 4 and 5	3.3.8.1	Note 2	1ek	
ik Ant		3.3.8.3	Note 1	4.1.15	Note	4.7.3	Note 1 and 2	polek	
otek	Ant	5.2.2.2	Note	5.4.2.3.2.2 Table 12	Note c	5.4.2.3.2.4	Note 1 and 3	Arlbotel	
anbotek		5.4.2.3.2.4	Note 2	5.4.2.5	Note 2	5.4.5.1	Note	Bur	
Anbore	4	Table 13						ek P	
Anb	010	5.4.10.2.1	Note	5.4.10.2.2	Note	5.4.10.2.3	Note	polek	
otek l	dn	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3 and 4	Anbotek	
Anbotek	a.	5.6.8	Note 2	5.7.6	Note	5.7.7.1	Note 1 and Note 2	Anbo	
Anbore.	rel	8.5.4.2.3	Note	10.2.1 Table 39	Note 3 and 4 and 5	10.5.3	Note 2	orek sk	
rek p	upc	<del>10.6.1</del>	Note 3	F.3.3.6	Note 3	Y.4.1	Note	wo tok	
potek	72	Y.4.5	Note					Am.	

V. Lor	16), 10, 10, 10, 10, 10, 10, 10, 10, 10, 10	18°	200
4	Modification to Clause 1		Р
1	Add the following note:	Anbo.	P
arbotek k	NOTE Z1 The use of certain substances in electrical and electronic equipment is restricted within the EU: see Directive 2011/65/FU		otek bur





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

5	Modification to 4.Z1	N/A
4.Z1 Amb	Add the following new subclause after 4.9:  To protect against excessive current, short-circuits	N/A
	and earth faults in circuits connected to an a.c.  mains, protective devices shall be included either as integral parts of the equipment or as parts of the	botek A
	building installation, subject to the following, a), b) and c): a) except as detailed in b) and c), protective devices	Anbore
	necessary to comply with the requirements of B.3.1 and B.4 shall be included as parts of the equipment; b) for components in series with the mains input to	ek Viupo
	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;	ootek A.
	c) it is permitted for pluggable equipment type B or permanently connected equipment, to rely on dedicated overcurrent and short-circuit protection in	Anbotek
	the building installation, provided that the means of protection, e.g. fuses or circuit breakers, is fully specified in the installation instructions.	k VI.
	If reliance is placed on protection in the building installation, the installation instructions shall so state, except that for <b>pluggable equipment type A</b> the building installation shall be regarded as providing	Anbotek botek
Anbore	protection in accordance with the rating of the wall socket outlet.	Anbor
6	Modification to 5.4.2.3.2.4	N/A
5.4.2.3.2.4	Add the following to the end of this subclause:	N/A
Anboren	The requirement for interconnection with <b>external circuit</b> is in addition given in EN 50491-3:2009.	hotek
7	Modification to 10.2.1	N/A
10.2.1	Add the following to c) and d) in table 39:  For additional requirements, see 10.5.1.	N/A



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"upotek	Aupois	IEC62368_1E- ATTAC	HMENT	anbotek Ar
Clause	yupo.	Requirement + Test	Result - Remark	Verdict

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





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

	Modification to Bibliography		N/A
1/2 × 1/2	Add the following notes for the standards indicated:	Ame	N/A
	tek above And k sovek Ando A.	k upote.	
	IEC 60130-9 NOTE Harmonized as EN 60130-9.		
	IEC 60269-2 NOTE Harmonized as HD 60269-2.	Anbo	
	IEC 60309-1 NOTE Harmonized as EN 60309-1.	3	
	IEC 60364 NOTE some parts harmonized in HD 384/HD 60364 si	eries	
	IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4.		
	IEC 60664-5 NOTE Harmonized as EN 60664-5.		
	IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified).	HOL	
	IEC 61508-1 NOTE Harmonized as EN 61508-1.	-ak	
	IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1.	apore	
	100	0,10	
		Anbo	
	IEC 61558-2-6 NOTE Harmonized as EN 61558-2-6.		
	IEC 61643-1 NOTE Harmonized as EN 61643-1.	Vu.	
	IEC 61643-21 NOTE Harmonized as EN 61643-21.		
	MIEC 61643-311 NOTE Harmonized as EN 61643-311.		
	IEC 61643-321 NOTE Harmonized as EN 61643-321.	(e)K	
	of IEC 61643-331 NOTE Harmonized as EN 61643-331.	.V.	
br.		boten	Anu
11	ADDITION OF ANNEXES		Р
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)	· by	otek P
4.1.15	Denmark, Finland, Norway and Sweden	Pur	N/A
Anbo	Arbote Ann ok hotel Anbo A.	stek o	apolo
	To the end of the subclause the following is	140	
		VUL	
	added:	Aur Potek	
		Anbotek	
	added:	Anbotek Anbotek	
	added:  Class I pluggable equipment type A intended	Anbotek Anbotek	
	added:  Class I pluggable equipment type A intended for connection to other equipment or a	Anbotek Anbotek Anbotek	
	added:  Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to	Anbotek Anbotek Anbotek	
	added:  Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors	Anbotek Anbotek ek Anbotek botek Anbotel	
	added:  Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and	Anbotek Anbotek ek Anbotek botek Anbotek	
	added:  Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	
	added:  Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	
	added:  Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	
	added:  Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet.  The marking text in the applicable countries shall	Anbotek Anbotek  Anbotek  Anbotek  Anbotek  Anbotek  Anbotek	
	added:  Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	
	added:  Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet.  The marking text in the applicable countries shall be as follows:	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	
	added:  Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet.  The marking text in the applicable countries shall be as follows:  In Denmark: "Apparatets stikprop skal tilsluttes en	Anbotek	
	added:  Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet.  The marking text in the applicable countries shall be as follows:  In Denmark: "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til	Anbotek	
	added:  Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet.  The marking text in the applicable countries shall be as follows:  In Denmark: "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til stikproppens jord."	Anbotek	
	added:  Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet.  The marking text in the applicable countries shall be as follows:  In Denmark: "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til stikproppens jord."  In Finland: "Laite on liitettävä suojakoskettimilla	Anbotek	
	added:  Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet.  The marking text in the applicable countries shall be as follows:  In Denmark: "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til stikproppens jord."  In Finland: "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan"	Anbotek	
	added: Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet.  The marking text in the applicable countries shall be as follows:  In Denmark: "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til stikproppens jord."  In Finland: "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan"  In Norway: "Apparatet må tilkoples jordet	Anbotek	
	added:  Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet.  The marking text in the applicable countries shall be as follows:  In Denmark: "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til stikproppens jord."  In Finland: "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan"  In Norway: "Apparatet må tilkoples jordet stikkontakt"	Anbotek	
	added: Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet.  The marking text in the applicable countries shall be as follows:  In Denmark: "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til stikproppens jord."  In Finland: "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan"  In Norway: "Apparatet må tilkoples jordet	Anbotek	





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lootek A	IEC62368_1E- ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict	
VUPOJO.	Huited Kingdom (1996)	Anbores And	*PoteK	
4.7.3	United Kingdom	K botek Anbore	N/A	
Amb	To the end of the subclause the following is added:	And sek spotek	Vupo,	
ek anbo	And of the substance in femaling to dudge.	totek Anbore Ant	'odo'	
40.	The torque test is performed using a socket-outlet	botek Anbor	br.	
DOLE VI	complying with BS 1363, and the plug part shall be	Anbore Anti-	ISK AN	
-potek	assessed to the relevant clauses of BS 1363. Also	botek Anbo.	dek	
5.2.2.2	see Annex G.4.2 of this annex  Denmark	Arr. Tek upotek Ar	N/A	
J.Z.Z.Z	Defilitark Anbotes Anb ak abotek	Anbo. A. arek	Inpole.	
abotek	After the 2nd paragraph add the following:	ek anbotek Anbe	hotek	
N 12.	k Anbore And ak borek Anbo	K Lotek Anbore	Ville	
Anbe	A warning (marking safeguard) for high touch current	poten Anbo	Anbor	
otek onl	is required if the touch current exceeds the limits of	sotek Anbote Anb	y 49	
5.4.11.1	3,5 mA a.c. or 10 mA d.c. Finland and Sweden	All Motek Ambor	N/A	
and	Anbo Anek	Anbore Ans	OUNC	
Annex G	To the end of the subclause the following is added:	abotek Anbor An	work!	
Vu.	anbotek Anbo	Ant tek spotek	Bupo	
Anbor	For separation of the telecommunication network	k Anbo. Ar. otek	Aupoter	
k abote	from earth the following is applicable:	lek anbotek Anbo	hote	
bri	If this insulation is solid, including insulation forming	o Anbote	AUG	
otek And	part of a component, it shall at least	nooten Anbe ak hote	Anb Anb	
-otek	consist of either	hotek Anbote And	*eX	
Wp. ok	two layers of thin sheet material, each of which	And Ant	, p	
Anbore	shall pass the electric strength test below, or	Anbore And	potek	
botek	one layer having a distance through insulation of	k botek Anbor	y. Otek	
VII.	at least 0,4 mm, which shall pass the electric	All stek anbotek	Anbo	
Aupo.	strength test below.	otek Anbo, Ar otek	Anbote	
tek no	Jek Anbot k hotek Anbot Att	stek anboten Anbe	4	
y ps	If this insulation forms part of a semiconductor	nbo k Anbore	Pur	
abover A	component (e.g. an optocoupler), there is no distance through insulation requirement for the	Inboten And	olek b	
wo tek	insulation consisting of an insulating compound	work Anbore And	Yor	
And	completely filling the casing, so that clearances and	And sek shortek A	upo.	
Anbore	creepage distances do not exist, if the component	Anbore Am	anbotek	
abotek	passes the electric strength test in accordance with	tek abotek Anbo	In hotek	
bu.	the compliance clause below and in addition	All otek Anborek	PUDO	
lek Aupo	• passes the tests and inspection criteria of 5.4.8 with	Cotek Anbo K K Kotek	anbo'	
notek Ar	an electric strength test of 1,5 kV multiplied by 1,6	otek Anbotes Anbo	1/00	
Dr. K	(the electric strength test of 5.4.9 shall be	hinds of hotek Ando	V.	
Anborer	performed using 1,5 kV),	Anbore And	botek	
hotek	and	botek Anbore Ar	stek	
Ann	abotek Anbotek Anbotek	An tek abotek	Vupo.	
Anboro	is subject to routine testing for electric strength	ek Anbor Air	Vupoter	
toda 4s	during manufacturing, using a test voltage of 1,5	tek abotek Anbo	ha.	
b.1.	kV.	bu. Pin stek supotek	AUDO	
potek An	It is permitted to bridge this insulation with a	obotek Anbo	rak an	
	It is permitted to bridge this insulation with a	Pl. Motor Augo		







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IEC62368_1E- ATTACHMENT			
Clause	Requirement + Test	Result - Remark	Verdict
Anbotek Anbotek	capacitor complying with EN 60384-14:2005, subclass Y2.	botek Anbotek Anbotek	Anborek
	A capacitor classified Y3 according to EN 60384- 14:2005, may bridge this insulation under the following conditions:	Anbotek Anbotek Anbotek	OASK DU
	<ul> <li>the insulation requirements are satisfied by havia a capacitor classified Y3 as defined by EN 6038 14, which in addition to the Y3 testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;</li> </ul>	34-	Antiotek Antiotek
	the additional testing shall be performed on all the test specimens as described in EN 60384-14;	he olek Anbotek Anbotek	k An
	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.		nbotek .nbotek
.5.2.1	Norway  After the 3rd paragraph the following is added:	otek Anbotek Anbotek	N/A
	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	Arbotek Anbotek Anbotek	Ant Ant
5.6	Finland, Norway and Sweden	Anbote An hotek At	N/A
	To the end of the subclause the following is added:	Anbotek Anbotek	Anbotek
Anbotel	Resistors used as <b>basic safeguard</b> or bridging <b>basic safeguard</b>		Anb
6.1	Denmark	Anbore Anbo	N/A
	Add to the end of the subclause Due to many existing installations where the socke outlets can be protected with fuses	And tek abotek	Albotek Albotek
	with higher rating than the rating of the socket-outle the protection for pluggable equipment type A shall be an integral part of the equipment.	ets Anborek Anborek	Anbore
	Justification: In Denmark an existing 13 A socket outlet can be	Ambotek Ambotek Ambot	ek A
notek	protected by a 20 A fuse.	potek Anboten An	O'SO'Y
6.4.2.1	Ireland and United Kingdom  After the indent for pluggable equipment type A, the following is added:	ek Anbotek Anbotek	N/A
	<ul> <li>the protective current rating is taken to be 13 A this being the largest rating of fuse used in the mai plug.</li> </ul>		Ans Ar
6.4.2.1	France	aupole bus	N/A







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	IEC62368_1E- ATTACHN	And antek ant	010
Clause	Requirement + Test	Result - Remark	Verdict
Vupoter.	Aug Sk Polek Pupo, Vi	Anbores Anb	botek
	After the indent for <b>pluggable equipment type A</b> , the following is added:	atek Anbotek Anbote	Anbot
	<ul> <li>in certain cases, the protective current rating of the circuit supplied from the mains is taken as 20 A instead of 16 A.</li> </ul>	nbotek Anbotek Anbotek	k Anl
.6.5.1	To the second paragraph the following is added:	otek Anborek Anb	N/A
Anbotek	The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated	Anbotek Anbotek A	nbotek
	current over 10 A and up to and including 13 A is: 1,25 mm <sup>2</sup> to 1,5 mm <sup>2</sup> in cross-sectional area.	tek Anbotek Anbotek	Anbore Anbore
.6.8 M	Norway	ipciek Pupo sek upotek	N/A
	To the end of the subclause the following is added: Equipment connected with an earthed mains plug is	Pripotek Pupotek William	rek p
	classified as <b>class I equipment</b> . See the Norway marking requirement in 4.1.15. The symbol IEC 60417-6092, as specified in F.3.6.2, is accepted.	Anbotek Anbotek Ar	anbotek
.7.6	Denmark	ek Anborek Anbo	N/A
	To the end of the subclause the following is added:	potek Anbotek Anbotek	Anb
	The installation instruction shall be affixed to the equipment if the <b>protective conductor current</b> exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	Anbotek Anbotek Anbotek	optek p
.7.6.2	Denmark	unbotek Anboro Al	N/A
	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	otek Anbotek Anbotek	Anbotek Anbo
.7.7.1	protective current exceed the limits of 3,5 mA .  Norway and Sweden	Antorek Arbor Ar.	N/A
otek bi	To the end of the subclause the following is added:	Anborek Anbore An	orek
	The screen of the television distribution system is normally not earthed at the entrance of the building	Anbotek Anbotek An	Arbotek
	and there is normally no equipotential bonding system within the building.  Therefore the protective earthing of the building	otek Anbotek Anbotek	Anbore
	installation needs to be isolated from the screen of a cable distribution system.	nbotek Anbotek Anbote	k Ar
	It is however accepted to provide the insulation external to the equipment by an adapter or an	Anbotek Anbotek Anb	otek
	interconnection cable with galvanic isolator, which may be provided by a retailer, for example.	Anbotek Anbotek	Anbotek
	The user manual shall then have the following or similar information in Norwegian and Swedish	tek hotek Anbotek	Anbol
	language respectively, depending on in what country	inter and color	- 4









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Clause	Requirement + Test	Result - Remark	Verdict
eV	And A work Ambore	All alek a poten	AUDOCOLO
VUPO,	"Apparatus connected to the protective earthing of	Aupo, W.	a abote.
	the building installation through the mains connection	k kotek Anbo	he.
		Aug. Nek	napo
	or through other apparatus with a connection to	K hotek Anbo	
	protective earthing –	bote. And	tek or
	and to a television distribution system using coaxial	ok boten Anbe	
	cable, may in some circumstances create a fire	abore Arm	MOYER
	hazard. Connection to a television distribution system	n k boten Ar	10
	therefore has to be provided through a device	anbore Am	Hotel
	providing electrical isolation below a certain	w. sek	Vu.
		Aupo, W.	aboter
	frequency range (galvanic isolator, see EN 60728-	tek subore	71.
	11)"	ek Aupo, W. Tek	rode.
	And Andrew	stek anbore	be.
	NOTE In Norway, due to regulation for CATV-installations, and in	ocien Anbe	ek a
	Sweden, a galvanic isolator shall provide electrical insulation below 5 MHz. The insulation shall withstand a dielectric strength of	of k notek anboi	b21.
	1,5 kV r.m.s., 50 Hz or 60 Hz, for 1 min.	noter And	ate K
	1,0 KV 1.III.3., OO LIZ OF OO LIZ, IOF I IIIIII.	All work An	00
	Translation to Namus sign (the Counties tout will also	aboter And	rek
	Translation to Norwegian (the Swedish text will also	All hotek	AND
	be accepted in Norway):	anbore Ant	notek
	aboter Ann Mek Anbore	by sole spotes	PULP
	"Apparater som er koplet til beskyttelsesjord via	K Pupor Au	mo <sup>3</sup>
	nettplugg og/eller via annet jordtilkoplet	kek abotes	And
	utstyr – og er tilkoplet et koaksialbasert kabel-TV	olek Auport An	2K
	nett, kan forårsake brannfare.	hek about	VU.
		r otek Aupon Air	184
	For å unngå dette skal det ved tilkopling av apparate	And tek and	0010
	til kabel-TV nett installeres en	hotek Anbo	Yes
	galvanisk isolator mellom apparatet og kabel-TV	Ann	Vupo.
	nettet."	poter And	. stek
	hotek Anbo kek abote	Arr. wotek	Pupo
	Translation to Swedish:	K Whose Aur	2010
	"Apparater som är kopplad till skyddsjord via jordat	an sole	AND
	vägguttag och/eller via annan utrustning och	otok Anborr An	V ~
	samtidigt är kopplad till kabel-TV nät kan i vissa fall	tek abote	AUG
	medfőra risk főr brand. Főr att undvika detta skall vid	otek Aupo, Mr.	Nos
		my stek and	0,0
	anslutning av apparaten till kabel-TV nät galvanisk	hotek Anbo. Ar	-lek
	isolator finnas mellan apparaten och kabel-TV	Yun K Stek	upo,
poier	nätet.".	aboter Ano	Hek
.4.2.3	United Kingdom	Air solen	N/A
anbore	All ok boten Anbo kel	Anbore Arr	hotel
m.	Add the following after the 2 <sup>nd</sup> dash bullet in 3 <sup>rd</sup>	rek abote	Dur
Mpor	paragraph:	lek aupo, bi.	100
	ek anbor And Ak hotek Anbi	stek sabore	Vun
anbo	An emergency stop system complying with the	motek Ando	401
V		in niek nabi	D.
St. Di	requirements of IEC 60204-1 and ISO 13850 is	boten Anbo A	rek
/-	required where there is a risk of personal injury.	An week	all or
3.1 and	Ireland and United Kingdom	abote And	N/A
4	hotek Ando stek subote	All hotek	AUDO
abore	The following is applicable:	abore And	motel.
Mr.	shoter And And Arek Anbore	Air sofer	AUD
apore	To protect against excessive currents and short-	ek anbore Ans	
bo.		A. tok abover	AUG
vapo,	circuits in the primary circuit of direct plug-in	otek Anbore Arre	06
b.,	equipment, tests according to Annexes B.3.1 and	oo k abo	bit.
K a	B.4 shall be conducted using an external miniature	otek oupon bur	40.
	and the state of t	01,0	100







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br.	Page 71 of 91	Anbor	Report No. 18220V	VC40018703
otek M	IEC62368_1E- ATTAC	HMENT	Aupo stek	anbotek
Clause	Requirement + Test	ak Ant	Result - Remark	Verdict
Anbore.	rated 32A. If the equipment does not pass these	otek	Anbote Ann potek	Anborek
	tests, suitable protective devices shall be included as an integral part of the <b>direct plug-in equipme</b>	nt,		ek Anboi
Anbe	until the requirements of Annexes B.3.1 and B.4 a met	are	k hotek An	potek An
ie. bu	ak botek Anbo hatek	anbore	VI.	potek
6.4.2	Denmark	k Anb		N/A
	To the end of the subclause the following is adde	ed:		Anbotek
	Supply cords of single phase appliances having			anbot Anbot
	rated current not exceeding 13 A shall be provide with a plug according to DS 60884-2-D1:2011.	anbotek .		otek An
	CLASS I EQUIPMENT provided with socket-outle			abotek
	with earth contacts or which are intended to be unin locations where protection against indirect con			All.
	is required according to the wiring rules shall be provided with a plug in accordance with standard	You		Ai.
	sheet DK 2-1a or DK 2-5a.	hotek		K Anbore
	If a single-phase equipment having a RATED	un		otek out
	CURRENT exceeding 13 A or if a polyphase equipment is provided with a supply cord with a polyphase	olua.		-otok
	this plug shall be in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN 60309-	d		unbo wotek
	Anbo. An otek Anbores And	ak .		Anv
	Mains socket outlets intended for providing power Class II apparatus with a rated current of 2,5 A s	hall		All above
Anbote	be in accordance DS 60884-2-D1:2011 standard sheet DKA 1-4a.	io.		sek and
	Other current rating socket outlets shall be in	Anb		otek bi
	compliance with Standard Sheet DKA 1-3a	Are bot		upo wek
	or DKA 1-1c.	ek w		Pup Potek
	Mains socket-outlets with earth shall be in compliance with DS 60884-2-D1:2011	otek Air		Anv
	Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK or DK 1-7a	1-5a		ek vp.
	Justification:	And		atel.
	Heavy Current Regulations, Section 6c	P.U.		190. P
i.4.2	United Kingdom	K Vulgo	otek Anbotek	N/A
	To the end of the subclause the following is adde	ed:		Aupo, atek
	The plug part of direct plug-in equipment shall be	ofe I		Aupo
	assessed to BS 1363: Part 1, 12.1, 12.2, 12.3, 12.11, 12.12, 12.13, 12.16, and 12.17, except that	2.9,		en Aupo
	the test of 12.17 is performed at not less than	Aupor		poter Ar





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



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Wholek W	bo. Kek anbotek	IEC62368_1E- ATTA	CHMENT	upo. Tek	anbotek p
Clause	Requir	ement + Test	Result -	- Remark	Verdict

WOLE.	And tok apport	hore. And	-xek
Antotek	Insulated Shutter Opening Device (ISOD), the requirements of clauses 22.2 and 23 also apply.	k Anbotek Anbotek	Anbo. botek
G.7.1	United Kingdom	otek Anbotek Anbore	N/A
lotek An	To the first paragraph the following is added:	obotek Anbotek Anbo	lek Vu
Anbotek Anbotek	Equipment which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to BS 1363 by means of that flexible cable or cord shall be fitted with a 'standard plug' in	Anbotek Anbotek Anbotek A	nbotek
Anbotek Anbotek	accordance with the Plugs and Sockets etc. (Safety) Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted by those regulations.	hek Anbotek Anbotek	Anbotek Anbot
nbotek Ant	NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	Anbotek Anbotek Anbo	botek An
G.7.1	Ireland	Anbore Anborek	N/A
Anbote	To the first paragraph the following is added:  Apparatus which is fitted with a flexible cable or cord	lek Anbotek Anbotek	Anbore
Yek And	shall be provided with a plug in accordance with Statutory Instrument 525: 1997, "13 A Plugs and	botek Anbotek Anbo	ek Aup
upotek p	Conversion Adapters for Domestic Use Regulations: 1997. S.I. 525 provides for the recognition of a	Anbotek Anbotek An	otek I
Anbote. otek	standard of another Member State which is equivalent to the relevant Irish Standard	Anbotek Anbotek	anbotek ak
G.7.2	Ireland and United Kingdom	ak abotek Anbotek	N/A
ek Pupe	To the first paragraph the following is added:	otek Ambotek Ambotek	Anbo
potek A	A power supply cord with a conductor of 1,25 mm <sup>2</sup> is allowed for equipment which is rated over 10 A and up to and including 13 A.	Anbotek Anbotek Anbon	Diek b

ZC botek	ANNEX ZC, NATIONAL DEVIATIONS (EN)	N/A
	Mr.	1440





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-10 K	Requirement + Test	100, 100,	
Clause	Requirement + rest	Result - Remark	Verdict
botek.	And sek above And	k bolen And	-tek
10.5.2	Germany	Arr stek Anbotek	N/A
Anbo.	The following requirement applies:	Josek Anbo. Ck Potek	Anbore
ik anbore	The fellening requirement applies.	otek Anbore And	ols 4s
-14	For the operation of any cathode ray tube intended	Anbo. Anbo.	b11.
	for the display of visual images operating at an	anbote. And	otek l
otek.	acceleration voltage exceeding 40 kV, authorization	Ar otek Anbote, An	40.
	is required, or application of type	Anbo	anbore
abotek	approval (Bauartzulassung) and marking.	K Spoter Aupo	Lotek.
bir.	abotek Anbot	VI. Tek	AUD
10/2/2	Justification:	orek Anbo. A. dek	arbore
4 50g	German ministerial decree against ionizing radiation	ok botek Anbo	No.
Die	(Röntgenverordnung), in force since	antore Ana	Valo.
	2002-07-01, implementing the European Directive 96/29/EURATOM.	- otek Anbore An	.eK
	90/29/EURATOW.	and k botek and	O. P
opoter	NOTE Contact address:	Anborer And	hotek
Yek	Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-	atek Anboter A	All V
	38116 Braunschweig, Tel.: Int+49-531-592-6320, Internet: http://www.ptb.de	Anbo	Anbore





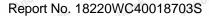
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Notek	Anbo.	IEC62368_1E- ATTACH	HMENT	anbotek An
Clause	Anbo	Requirement + Test	Result - Remark	Verdict

Type of flexible cord	Code de	Code designations	
	IEC	CENELEC	
PVC insulated cords			
Flat twin tinsel cord	60227 IEC 41	H03VH-Y	
Light polyvinyl chloride sheathed flexible cord	80227 IEC 52	H03VV-F H03VVH2-F	
Ordinary polyvinyl chloride sheathed flexible cord	80227 IEC 53	H05VV-F H05VVH2-F	
Rubber insulated cords			
Braided cord	60245 IEC 51	H03RT-F	
Ordinary tough rubber sheathed flexible cord	60245 IEC 53	H05RR-F	
Ordinary polychloroprene sheathed flexible cord	60245 IEC 57	H05RN-F	
Heavy polychloroprene sheathed flexible cord	60245 IEC 66	H07RN-F	
Cords having high flexibility	•		
Rubber insulated and sheathed cord	60245 IEC 86	H03RR-H	
Rubber insulated, crosslinked PVC sheathed cord	60245 IEC 87	H03 RV4-H	
Crosslinked PVC insulated and sheathed cord	60245 IEC 88	H03V4V4-H	
Cords insulated and sheathed with halogen- free thermoplastic compounds			
Light halogen-free thermoplastic insulated and sheathed flexible cords		H03Z1Z1-F H03Z1Z1H2-	
Ordinary halogen-free thermoplastic insulated and sheathed flexible cords		H05Z1Z1-F H05Z1Z1H2-	







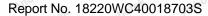
Attachment 1: Photo



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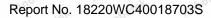
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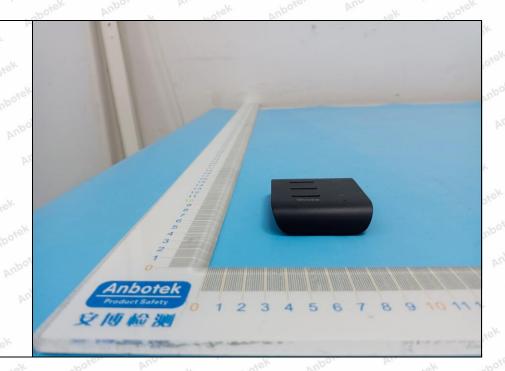
Photo 5

For model H6099



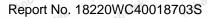
#### Photo 6

For model H6099











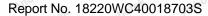
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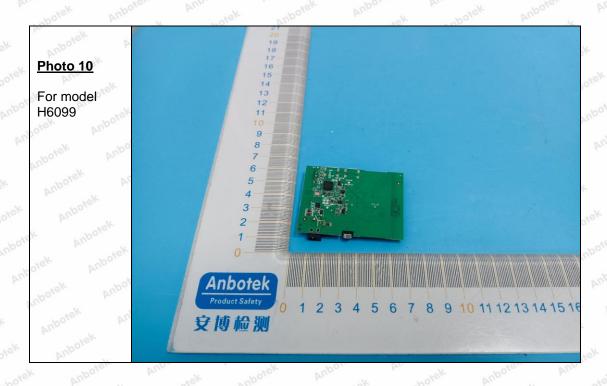






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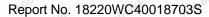


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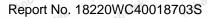


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# Photo 11 For model H6099 Reported Ambored A









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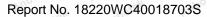
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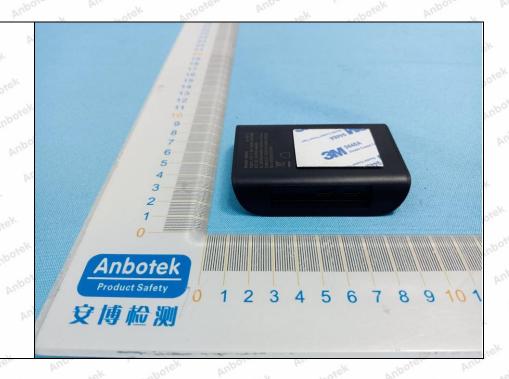


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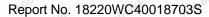
# Photo 16

For model H6098-H6098C







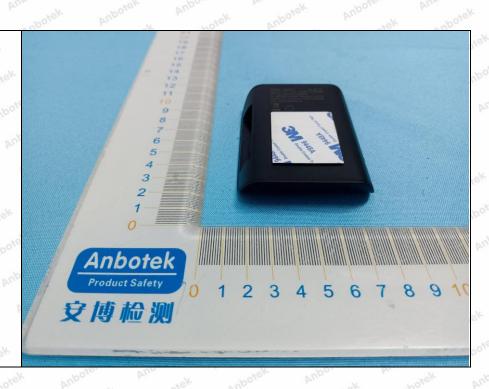




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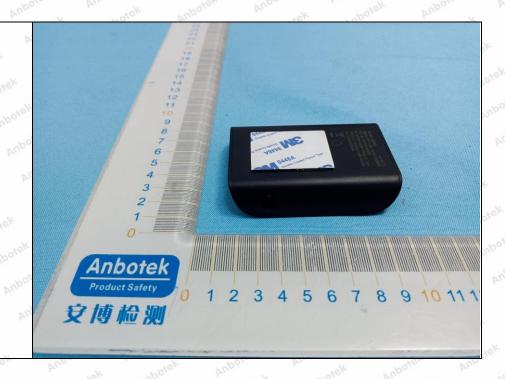
# Photo 17

For model H6098-H6098C



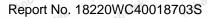
#### Photo 18

For model H6098-H6098C





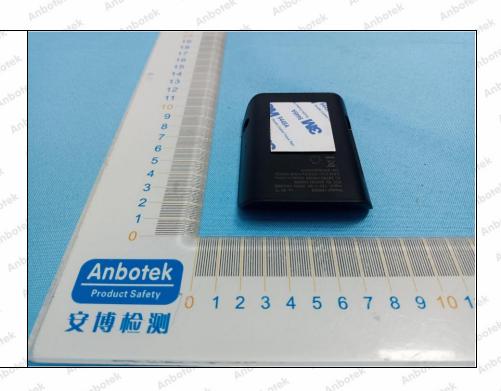








For model H6098-H6098C

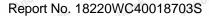


#### Photo 20

For model H6098-H6098C

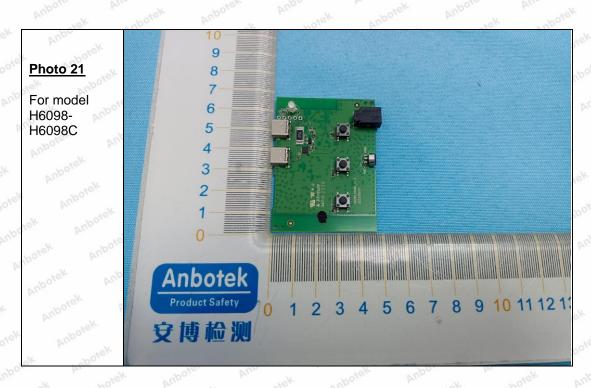






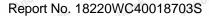


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# Photo 23

For model H6098-H6098B



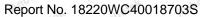
#### Photo 24

For model H6098-H6098B











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# Photo 25

For model H6098-H6098B



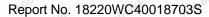
#### Photo 26

For model H6098-H6098B









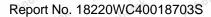


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# Photo 27 For model H6098-H6098B Anborek Product Safety The prod







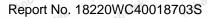


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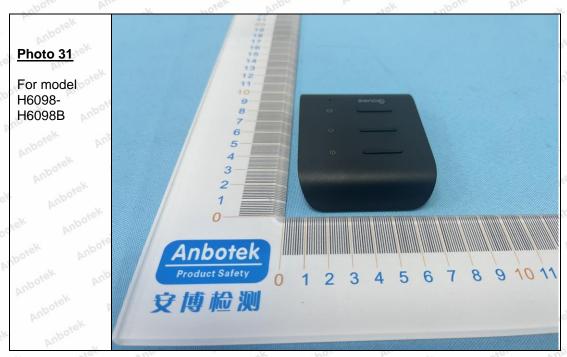


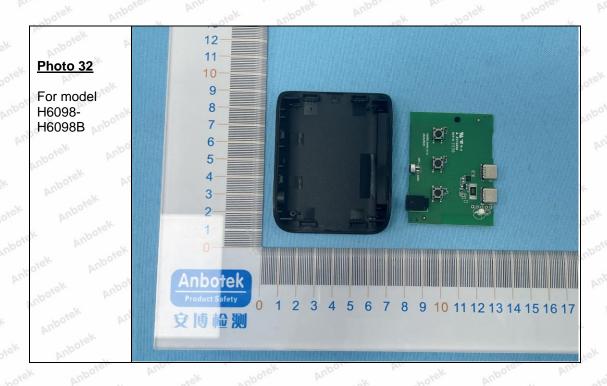






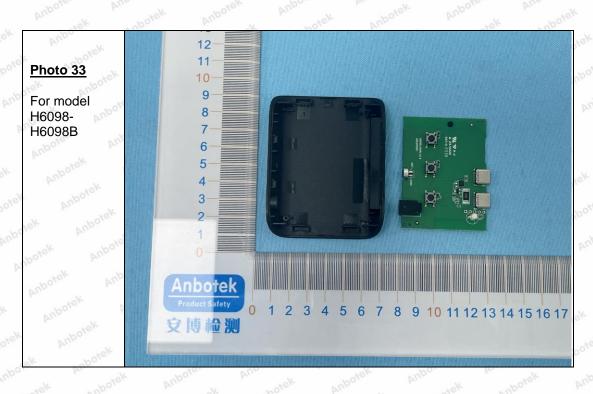
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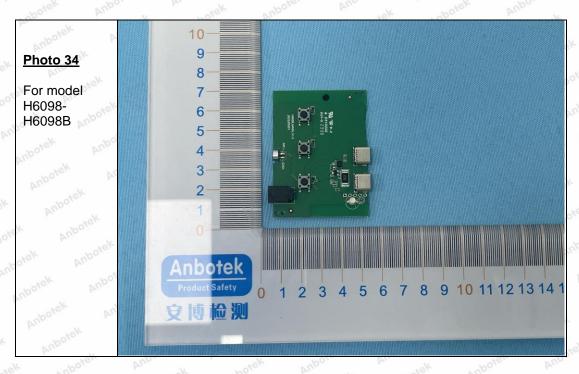






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\*\*\*End of the report\*\*\*

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