

APPLICATION FOR LOW VOLTAGE DIRECTIVE

Power Pack

Model: PW827

Prepared For

Prepared By Shenzhen Anbotek Compliance Laboratory Limited

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Nov. 13, 2018 to Nov. 19, 2018 **Date of Test:**

Date of Report: Nov. 20, 2018

Report Number: SZAIS181113004-01



TEST REPORT

EN 62368-1

Audio/video, information and communication technology equipment

Part 1: Safety requirements

Report

Report reference No...... SZAIS18111300 //01

Tested by (+ signature) Ray Liang

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

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Testing laboratory

Name: Shenzhen Anbotek Compliance Laboratory Limited

Address 1/F, Building D, Sogood Science and Technology Park, Sanwei

community, Hangcheng Street, Bao'an District, Shenzhen,

Ambode

Guangdong, China.518102

Testing location: As above

Client

Name....::

Address:

Test specification

Standard: EN 62368-1:2014

Test procedure: EN 62368-1:2014

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

Test item

Description: Power Pack

Trademark: N/A

Model/type reference.....: PW827

Manufacturer:

Address:

Factory See Manufacturer

Address : See Manufacturer Address



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TEST ITEM PARTICULARS:	20, 80, 10,
Classification of use by: Supply Connection:	○ Ordinary person ☐ Instructed person ☐ Skilled person ☐ Children likely to be present ☐ AC Mains ☐ DC Mains
Anbotek Anbotek Anbotek	☑ External Circuit - not Mains connected- ☑ ES1 ☐ ES2 ☐ ES3
Supply % Tolerance Supply Connection – Type	 +10%/-10% +20%/-15% +%/% None pluggable equipment type A -
Anbotek	□ non-detachable supply cord □ appliance coupler □ direct plug-in □ mating connector □ pluggable equipment type B - □ non-detachable supply cord □ appliance coupler □ permanent connection □ mating connector ⊠ other:
Considered current rating of protective device as part of building or equipment installation:	Installation location: ☐ building; ☐ equipment ☐ N/A
Equipment mobility:	□ movable □ stationary □ for building-in □ rack-mounting □ wall-mounted □ transportable □ direct plug-in □ wall-mounted
Over voltage category (OVC):	□OVC I □OVC II □ OVC III □ OVC IV □ other:
Class of equipment:	☐ Class II ☐ Class III
Access location:	☐ restricted access location ☐ N/A ☐ operator accessible ☐ DD 4 ☐ DD 9
Pollution degree (PD)	□ PD 1 □ PD 2 □ PD 3
Manufacturer's specified maxium operating ambient:	40 °C
IP protection class	□ IPX0 □ IP
Power Systems:	☐ TN ☐ TT ☐ IT V L-L ☒ N/A
Altitude during operation (m)	2000 m or less m
Altitude of test laboratory (m)	☑ 2000 m or less ☐ m
Mass of equipment (kg):	∑ <u>0.129</u> kg
V. II.	KB. 195

POSSIBLE TEST CASE VERDICTS:	And otek Anbotek Anbot An hotel
- 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: Anbote Andrew	anbotek Anbote Am notek Anbotek
Date of receipt of test item	Nov. 13, 2018
Date (s) of performance of tests	Nov. 13, 2018 to Nov. 19, 2018
Anbore And	And tekbo

GENERAL PRODUCT INFORMATION:

Product Description:

- 1. The apparatus covered in this report was POWER BANK Digital Receiver which was Class III apparatus.
- 2. The max. operating temperature was 40 $^{\circ}$ C and the max, altitude was 2000m.
- 3. We Have checked the report of battery which was send by manufacture.
- 4. As requested by the manufacturer, the sub-clause Annex M battery test was not evaluated in this report.

Model Differences:

Additional application considerations – (Considerations used to test a component or sub-assembly) N/A

ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE:

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

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

Electrically-caused injury (Clause 5):

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

Example:

Source of electrical energy	Corresponding classification (ES)		
Cell Two poles	Anbote Anbotek Anbotek		
Battery pack	EST Anbotek Anbotek		
DC input	ES10tek Anbound An hotek Anbotek		
DC output	ES1 nbotek Anbote Anbotek Anbotek		

Electrically-caused fire (Clause 6):

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

Source of powe	r or PIS	nbotek	Anbo. A	Correspond	ling classifi	cation (PS)	nbotek
Cell Two poles	Tup. Jek	abotek	Anbore	PS2	Anbotek	Aupor b	botek
Battery pack	Anno	nbotek	Aupore. K	PS2	Anbotek	Anbos	botek.

Corresponding classification (RS)



Type of radiation

N/A

ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE: PS₂ DC output Injury caused by hazardous substances (Clause 7) (Note: Specify hazardous chemicals, whether produces ozone or other chemical construction not addressed as part of the component evaluation.) Example: Source of hazardous substances Corresponding chemical N/A Mechanically-caused injury (Clause 8) (Note: List moving part(s), fan, special installations, etc. & corresponding MS classification based on Table 35.) Example: Source of kinetic/mechanical energy Corresponding classification (MS) Equipment mass MS₁ Thermal burn injury (Clause 9) (Note: Identify the surface or support, and corresponding energy source classification based on type of part, location, operating temperature and contact time in Table 38.) Example: Corresponding classification (TS) Source of thermal energy N/A N/A Radiation (Clause 10) (Note: List the types of radiation present in the product and the corresponding energy source classification.) Example:

and K wole	An	K ~bo	Pr.	161	
OVERVIEW OF EMPLOYED SAFEGUARDS					
Clause	Possible Hazard	Possible Hazard			
5.1	Electrically-caused injury				
Body Part	Energy Source		Safeguards		
(e.g. Ordinary)	(ES3: Primary Filter circuit)	Basic	Supplementary	Reinforce d (Enclosur e)	
Ordinary person	ES1 Anboten Anb	N/A	N/A	N/A	
6.1	Electrically-caused fire				
Material part	Energy Source		Safeguards		
(e.g. mouse enclosure)	(PS2: 100 Watt circuit)	Basic	Supplementary	Reinforce d	
All combustible materials within equipment	PS2: Cell Two poles PS2: Battery pack	N/A	N/A	Use the Enclosur e and	

N/A

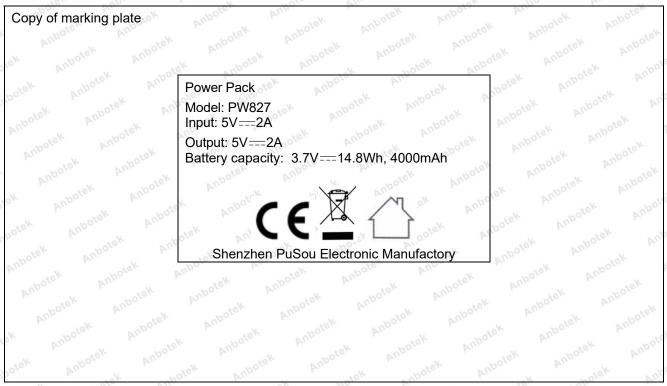
ek Anbotek Anbotek Ant	Abotek Anbotek And	potek Anbot	otek Anbotek	PCB above V- 1
All internal wiring materials	PS2	Anbotek N/A*ek	N/A	Use the Enclosur e and PCB above V- 1
7.1	Injury caused by hazardo	us substances		
Body Part	Energy Source		Safeguards	
(e.g., skilled)	(hazardous material)	Basic	Supplementary	Reinforce d
N/A	N/A Model	N/A	N/A	N/A
8.1	Mechanically-caused inju	ry		
Body Part	Energy Source	Safeguards		
(e.g. Ordinary)	(MS3:High Pressure Lamp)	Basic	Supplementary	Reinforce d (Enclosur e)
Ordinary person	MS1: Equipment mass	N/A	N/A	N/A
9.1	Thermal Burn			
Body Part	Energy Source		Safeguards	
(e.g., Ordinary)	(TS2)	Basic	Supplementary	Reinforce d
N/A	N/A N/A	N/A	N/A	N/A
10.1	Radiation			
Body Part	Energy Source		Safeguards	
(e.g., Ordinary)	(Output from audio port)	Basic	Supplementary	Reinforce d
N/A	- tek abotek p	hbore Ans	otek - Anbotek	-Anbo
And And the state of the state	" upos bil	"Ofen "	VD.	Yer

Supplementary Information:

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



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Motek	Anbote. And botek	EN 62368-1	ek nbotek	Anboren	Anbo
Clause	Requirement + Test	Anboten Anbo	Result - Remark	Anboro	Verdict

4 Anbo	GENERAL REQUIREMENTS	Anbotek Anbot At notek PAn
4.1.1	Acceptance of materials, components and subassemblies	Anbotek Anbotek Anbotek P
4.1.2	Use of components	Anbert Anbore Anbore
4.1.3	Equipment design and construction	otek Anbott K Sotek AntPres
4.1.15	Markings and instructions	(See Annex F) P
4.4.4	Safeguard robustness	An Anbotek Anb P
4.4.4.2	Steady force tests	(See Annex T.4) P
4.4.4.3	Drop tests	(See Annex T.7) P
4.4.4.4	Impact tests	lek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek
4.4.4.5	Internal accessible safeguard enclosure and barrier tests	No such enclosure and barrier N/A
4.4.4.6	Glass Impact tests	No glass used N/A
4.4.4.7	Thermoplastic material tests	(See Annex T.8) N/A
	Anbotek Anbotek Anbotek	Anbotek Anbotek
4.4.4.8	Air comprising a safeguard	No such safeguard used N/A
	. And Andoles Andrews Andrews	hotek Anbotek Anbo tek Anbo
4.4.4.9	Accessibility and safeguard effectiveness	Anbotek Anbotek Anbotek P
4.5	Explosion	Annotek Anbotek Anbo ok P
4.6	Fixing of conductors	Conductors are connected by Soldering and securely hooked in

5.2.2.6

5.2.2.7



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Clause	Fix conductors not to defeat a safeguard 10 N force test applied to	Result - Remark before soldering, and the hole through which the conductors are passed was suitably designed	Verdict
4.6.1	10 N force test applied	through which the conductors are	Anbo' Anbo'
4.6.1	10 N force test applied	through which the conductors are	Anbo An
4.6.1	10 N force test applied	Anbotek Anbotek Anb	17
	10 N force test applied to	1 M 10 M	N/A
4.6.2		10 N force test applied to internal wires	nbotep ,nbotep
4.7 Anbotek	Equipment for direct insertion into mains socket - outlets	abotek Anbotek Anbotek	N/A
4.7.2 M	Mains plug part complies with the relevant standard	Needed further consideration	N/A
4.7.3	Torque (Nm)	tek Anbotek Anbotek Anbotek	N/A Anbotek
4.8	Products containing coin/button cell batteries	No battery used	N/A
4.8.2	Instructional safeguard	Anbotek Anbo tek nbotek	N/A
4.8.3	Battery Compartment Construction	Open tools need to be used	iek P
	Means to reduce the possibility of children removing the battery	tek Anbotek Anbotek Arbotek Arbotek	Anbotek Anbotek
4.8.4	Battery Compartment Mechanical Tests :	Anbotek Anbotek Anbotek Anbotek	P _{Anb}
4.8.5	Battery Accessibility	Non replaceable battery	N/A
4.9	Likelihood of fire or shock due to entry of conductive object	botek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotel Anbotel Anbr
ootek p	nbote, And tok Apotek Aupor	All hotek Anboten Anbo	Jok P
5 stek	ELECTRICALLY-CAUSED INJURY	K notek anbotek An	P
5.2.1	Electrical energy source classifications:	And dek anbotek	AnboP
5.2.2	ES1, ES2 and ES3 limits	otek Anbos Anbotek	AIR OFF
5.2.2.2	Steady-state voltage and current	(See table 5.2.2.2)	Panbo
5.2.2.3	Capacitance limits	(See table 5.2.2.3)	P N
5.2.2.4	Single pulse limits	(See table 5.2.2.4)	N/A
5.2.2.5	Limits for repetitive pulses	(See table 5.2.2.5)	N/A

See clause E.1

N/A

Ringing signals

Audio signals



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aport	EN 62368-1	ak botek Anbo	ateK.
Clause	Requirement + Test	Result - Remark	Verdict
5.3 Annatak	Protection against electrical energy sources	ES1	N/A
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	Anbotek Anbotek Anbote	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Anbotek Anbotek Ant	N/A
5.3.2.2	Contact requirements	tek Anbotek Anbote	N/A
Anbotek	a) Test with test probe from Annex V	stek supotek Aupon	N/A
anbot	b) Electric strength test potential (V)	hoo tek hootek Anbote	N/A
ek n	c) Air gap (mm)	Aupore Annotek Aupore	N/A
5.3.2.4	Terminals for connecting stripped wire	Anbore Am	N/A
5.4	Insulation materials and requirements	K Anbote K Antoniek	nboten P
5.4.1.2	Properties of insulating material	tek Aupora Aur Otek	AND PLEK
5.4.1.3	Humidity conditioning:	botek Anbores Anborek	N/A
5.4.1.4	Maximum operating temperature for insulating materials	(See table 5.4.1.4, 6.3.2, 9.0, B.2.6)	PAnt
5.4.1.5	Pollution degree	Pollution degree 2	rek_
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	ek abotek Anbotek A	N/A
5.4.1.5.3	Thermal cycling	ok hotek Anbotek	N/A
5.4.1.6	Insulation in transformers with varying dimensions	Anbotek Anbotek Anbotek	N/A
5.4.1.7	Insulation in circuits generating starting pulses	anbotek Anbote Am	.≪ N/A
5.4.1.8	Determination of working voltage	abotek Anbote Ans	N/A
5.4.1.9	Insulating surfaces	ok hotek Anboten Ar	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	botek Ambotek Ambotek	N/A
5.4.1.10.2	Vicat softening temperature	anbotek Anbote K And Motek	N/A
5.4.1.10.3	Ball pressure	Anbotek Anbote. Anb	N/A
5.4.2	Clearances	Anboten Anboten Anbo	N/A
5.4.2.2	Determining clearance using peak working voltage	ek Anbotek Anbotek An	N/A
5.4.2.3	Determining clearance using required withstand voltage	Dotek Anbotek Anbotek	N/A
1 - nb	a) a.c. mains transient voltage	Anbotek Anbotek	Anb
otek b	b) d.c. mains transient voltage	Anbotek Anbotek Anbot	otek_ A
MPOL	c) external circuit transient voltage	Aupote Aur	abotek



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Clause	Requirement + Test	Result - Remark	Verdict
Anbotel	d) transient voltage determined by measurement ::::::::::::::::::::::::::::::::::::	Anbotek Anbotek Anbotek	Anbo
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	Anbotek Anbotek Anbot	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	K Anbotek Anbotek	N/A
5.4.3	Creepage distances	otek hotek	N/A
5.4.3.1	General	Anborek Anbo	N/A
5.4.3.3	Material Group	Anbotel Anios All sote	K An'
5.4.4	Solid insulation	Anbotek Anbor Alli	N/A
5.4.4.2	Minimum distance through insulation	Anbotek Anbote An	N/A
5.4.4.3	Insulation compound forming solid insulation	tek abotek Anbote	N/A
5.4.4.4	Solid insulation in semiconductor devices	ak botek Anboten	N/A
5.4.4.5	Cemented joints	Anbote And Botek Anbotek	N/A
5.4.4.6	Thin sheet material	Anbote K Anb otek Anbote	N/A
5.4.4.6.1	General requirements	Anboten Anb	N/A
5.4.4.6.2	Separable thin sheet material	Anbotek Anbo tek	N/A
Anboten	Number of layers (pcs)	olek Anborek Anbo. Ak	N/A
5.4.4.6.3	Non-separable thin sheet material	notek Anbotek Anbott	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	Anbotek Anbotek Anbotek	N/A
5.4.4.6.5	Mandrel test	Anborek Anbo	N/A
5.4.4.7	Solid insulation in wound components	Anbotek Anbot An	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz:	Jek Anbotek Anbote Ak	N/A
5.4.5	Antenna terminal insulation	stek anboten Anbotes	N/A
5.4.5.1	General	rek potek Anbotes	N/A
5.4.5.2	Voltage surge test	Anbore Anbores	N/A
LOX AI	Insulation resistance (MΩ):	(See table 5.4.5.2)	_ b
5.4.6	Insulation of internal wire as part of supplementary safeguard	Anbotek Anbotek Ar	N/A
5.4.7	Tests for semiconductor components and for cemented joints	potek Anbotek Anbotek	N/A
5.4.8	Humidity conditioning	Anbotek Anbot All hotek	Panbo
Ant	Relative humidity (%):	93%	(8)K _ (8)K
ofek-	Temperature (°C)	35°C	otek
nbotek	Duration (h)	120 h	nek.
	: Amoter Ambo	Jotek Anbotek Anbotek	Anbotek



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Clause	Requirement + Test	Result - Remark	Verdict
5.4.9	Electric strength test:	(See appended table 5.4.9)	Pupo,
5.4.9.1	Test procedure for a solid insulation type test	(Occ appointed table 0.4.0)	P
5.4.9.2	Test procedure for routine tests	Vupo, W. Vupotek Wilhots	N/A
5.4.10	Protection against transient voltages between external circuit	Anbotek Anbotek Ant	N/A
5.4.10.1	Parts and circuits separated from external circuits	otek Anbotek Anbotek	N/A
5.4.10.2	Test methods	hbo tek abotek Anboten	N/A
5.4.10.2.1	General	Anbors An botek Anbore	N/A
5.4.10.2.2	Impulse test:	Anbore Anb	N/A
5.4.10.2.3	Steady-state test	Anboth And Lotek	N/A
5.4.11	Insulation between external circuits and earthed circuitry:	tek Anbotek Anbotek	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	Anbotek Anbotek Anboten	N/A
5.4.11.2	Requirements	Anbotek Anbote Anbote	w N/A
potek	Rated operating voltage U _{op} (V)	upotek Vupore, Vup	wotek-
upotek	Nominal voltage U _{peak} (V):	ek spotek Anboton A	Vin Stek
nbotek	Max increase due to variation U _{sp} :	tek abotek Anboten	VUD OF
Anbote	Max increase due to ageing U _{sa} :	botek Anbotek Anbotek	Anbo
	U _{op} = U _{peak} + U _{sp} + U _{sa} :	Anbotek Anboten Anbo	kek —
5.5	Components as safeguards	Anbotek Anbot An	notek
5.5.1	General	ek upotek Vuporg V	N/A
5.5.2	Capacitors and RC units	tek shotek Anbotes	N/A
5.5.2.1	General requirement	bor W. Potek Vupote.	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector:	Anbotek Anbotek Anbotek	N/A
5.5.3	Transformers	(See Annex G.5.3)	N/A
5.5.4	Optocouplers	(See table 4.1.2)	N/A
5.5.5	Relays	An Lotek Anbotek	N/A
5.5.6	Resistors	Jore Am Lotek Anbotek	N/A
5.5.7	SPD's	(See table 4.1.2)	N/A
5.5.7.1	Use of an SPD connected to reliable earthing	Anbote Anb tek abot	N/A
5.5.7.2	Use of an SPD between mains and protective earth	k hotek Anbotek An	N/A
5.5.8	Insulation between the mains and external circuit consisting of a coaxial cable:	dek Anbotek Anbotek	N/A



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Clause	Requirement + Test	Result - Remark	Verdict
F o Ambotek	Duda dina selidu dan dolak Amotek Ani	otek Anbotek Anbote	Ann
5.6	Protective conductor	Anbo A. Abotek Anbote	Pupo
5.6.2	Requirement for protective conductors	Anbor All hotek Allhote	N/A
5.6.2.1	General requirements	Built-in equipment, considered in	N/A
5.6.2.2	Colour of insulation	end system.	N/A
5.6.3	Requirement for protective earthing conductors	stek Anboten Anbo	N/A
Anboten	Protective earthing conductor size (mm²):	notek Anbotek Anbo	N/A
5.6.4	Requirement for protective bonding conductors	nb otek Anbotek Anbot	N/A
5.6.4.1	Protective bonding conductors	Anbotek Anbotek	N/A
*ek	Protective bonding conductor size (mm²)	Anbor Anb	N/A
upor eak	Protective current rating (A):	Anbour K hotek	N/A
5.6.4.3	Current limiting and overcurrent protective devices	tek Anbotek Anbotek	N/A
5.6.5	Terminals for protective conductors	hotek Anbole	N/A
5.6.5.1	Requirement	Anbore Andrek Anbore	N/A
lpotek ku	Conductor size (mm²), nominal thread diameter (mm)	Anbotek Anbotek Anb	N/A
5.6.5.2	Corrosion	ok botek Anbotes A	N/A
5.6.6	Resistance of the protective system	ok hotek Anbotek	N/A
5.6.6.1	Requirements	bots And notek Anbotek	N/A
5.6.6.2	Test Method Resistance (Ω):	Anboten Ann otek Anbotek	N/A
5.6.7	Reliable earthing	Anbota Anno dek anbo	N/A
5.7	Prospective touch voltage, touch current and prof	tective conductor current	potek
5.7.2	Measuring devices and networks	ek Anbotes Anbo	N/A
5.7.2.1	Measurement of touch current:	See clause 5.2.2.2	N/A
5.7.2.2	Measurement of prospective touch voltage	stek supotek Aupote	N/A
5.7.3 _{Ant}	Equipment set-up, supply connections and earth connections	Anbotek Anbotek Anbotek	N/A
potek	System of interconnected equipment (separate connections/single connection)	Anbotek Anbotek Ar	N/A
Anbotek	Multiple connections to mains (one connection at a time/simultaneous connections)	ootek Anbotek Anbotek	N/A
5.7.4 mbone	Earthed conductive accessible parts:	hotek Anbotes Anbotes	N/A
5.7.5	Protective conductor current	Andrek Anbotek Anbote	N/A
otek p	Supply Voltage (V):	Annotek Anbotek Anbo	N/A
ate ^K	Measured current (mA)	Anbo tek abotek An	N/A
YUPO.	Instructional Safeguard:	K Anbor All	N/A



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Clause	Requirement + Test	Result - Remark	Verdict
- otek	Anboten Anh	Joe And Stek Spores	Anbo
5.7.6 Anbo	Prospective touch voltage and touch current due to external circuits	inbotek Anbotek Anbotek	N/A
5.7.6.1	Touch current from coaxial cables	And otek Anbotek Anbot	N/A
5.7.6.2	Prospective touch voltage and touch current from external circuits	Anbotek Anbotek Ant	N/A
5.7.7	Summation of touch currents from external circuits	stek Anbotek Anbotek	N/A
Anbo'	a) Equipment with earthed external circuits Measured current (mA)	hbotek Anbotek Anbotek	N/A
iek An	b) Equipment whose external circuits are not referenced to earth. Measured current (mA):	See clause 5.2.2.2	N/A

6 Inport	ELECTRICALLY- CAUSED FIRE		anbPek
6.2 Anbote	Classification of power sources (PS) and potential	ignition sources (PIS)	Phote
6.2.2 Anbotek	Power source circuit classifications	Basic assumptions: - Cell of PS2 Construction details: - All components and combustible materials are either rated at least V-1 or mounted on minimum V-1 materials.	lek Anbotek Anbotek
6.2.2.1	General	hostek anbotek Anbore	P
6.2.2.2	Power measurement for worst-case load fault:	(See appended table 6.2.2)	P ^{Ans}
6.2.2.3	Power measurement for worst-case power source fault	(See appended table 6.2.2)	P
6.2.2.4	PS1:	(See appended table 6.2.2)	, bo₽k
6.2.2.5	PS2	(See appended table 6.2.2)	Potek
6.2.2.6	PS3:	(See appended table 6.2.2)	N/A
6.2.3	Classification of potential ignition sources	Anbotek Anbotek	Panis
6.2.3.1	Arcing PIS	No arcing PIS exists	N/A
6.2.3.2	Resistive PIS	Anbore An hotek An	N/A
6.3	Safeguards against fire under normal operating ar	nd abnormal operating conditions	Anbo'Pk
6.3.1 (a)	No ignition and attainable temperature value less than 90 % defined by ISO 871 or less than 300 °C for unknown materials	(See appended table 5.4.1.4, 6.3.2, 9.0, B.2.6)	Anbotek Anbot
6.3.1 (b)	Combustible materials outside fire enclosure	V-1 Above enclosure and PCB used	P AT
6.4	Safeguards against fire under single fault condition	ns Anbe tek abotek An	P.
6.4.1	Safeguard Method	Control of fire spread	nbole.



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	EN 62368-1				
Clause	Requirement + Test	Result - Remark	Verdict		
abotek	Anbote An otek Albotek An	botek Anbote	Ans		
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	Anbotek Anbotek Anbotek	N/A		
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	V-1 Above enclosure and PCB used	ptek P		
6.4.3.1	General	K Anbotel Anbe	N/A		
6.4.3.2	Supplementary Safeguards	stek Anbotek Anbotek	N/A		
Anbotek	Special conditions if conductors on printed boards are opened or peeled				
6.4.3.3	Single Fault Conditions:	Aupotek Aupon An abote	N/A		
retek Ar	Special conditions for temperature limited by fuse	Anbotek Anbotek Anb	N/A		
6.4.4	Control of fire spread in PS1 circuits	Anbo tek nbotek	N/A		
6.4.5	Control of fire spread in PS2 circuits	ster Anboa sek abotek	Auphen		
6.4.5.2	Supplementary safeguards:	(See appended tables 4.1.2)	P.Boor		
6.4.6	Control of fire spread in PS3 circuit	anbotek Anbote And Sotel	N/A		
6.4.7	Separation of combustible materials from a PIS	Fire enclosure used	o N/A		
6.4.7.1	General	Anbotek Anboten Ann	N/A		
6.4.7.2	Separation by distance	ak hotek Anborek A	N/A		
6.4.7.3	Separation by a fire barrier	ok hotek Anbotek	N/A		
6.4.8	Fire enclosures and fire barriers	The fire enclosure is the overall enclosure	AP O		
6.4.8.1	Fire enclosure and fire barrier material properties	V-1 Anbotek Anbotek Anbo	ek P		
6.4.8.2.1	Requirements for a fire barrier	Anbore An hotek Ar	N/A		
6.4.8.2.2	Requirements for a fire enclosure	lek Anbote And Lotek	AUDO P.		
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	botek Anbotek Ambotek	AnBote		
6.4.8.3.1	Fire enclosure and fire barrier openings	Anbore Anborek Anborek	PARIE		
6.4.8.3.2	Fire barrier dimensions	Anbotto Anbo	N/A		
6.4.8.3.3	Top Openings in Fire Enclosure: dimensions (mm)	ek Anbotek Anbotek An	N/A		
	: Another Anbore Anbore	otek Anbotek Anbote	All		
Anbote	Needle Flame test	otek Anbotek Anbote	N/A		
6.4.8.3.4	Bottom Openings in Fire Enclosure, condition met a), b) and/or c) dimensions (mm)	Anbotek Anbotek Anbotek	N/A		
	And Andrew	Anborr Ant tek	otek		

8.1

8.2

General

Mechanical energy source classifications



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upoter.	EN 62368-1	ok hotek Anbo	soteK.
Clause	Requirement + Test	Result - Remark	Verdict
"otel	Anboto Ani ok hotek Ani	otek mbole.	Anb
	Flammability tests for the bottom of a fire enclosure	Anbotek Anbotek Anbotek Anbotek Anbotek	N/A
5.4.8.3.5	Integrity of the fire enclosure, condition met: a), b) or c):	k Anbotek Anbotek Ant	N/A
6.4.8.4	Separation of PIS from fire enclosure and fire barrier distance (mm) or flammability rating	otek Anbotek Anbotek Inbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbote	N/A
6.5	Internal and external wiring	Anbore And Andrew	Jek P
3.5.1	Requirements	Anbote Anb	nboteP
6.5.2	Cross-sectional area (mm²)	(See appended tables 4.1.2)	Anbotek
6.5.3 km ^{bo}	Requirements for interconnection to building wiring	No such wiring	N/A
ootek	inport All stek inpoter Allbo	hotek Anbote And	Yek
6.6 Anbotek	Safeguards against fire due to connection to additional equipment	lek Anbotek Anbotek A	N/A
Anbore	External port limited to PS2 or complies with Clause Q.1	botek Anbotek Anbotek	N/A
7 An	INJURY CAUSED BY HAZARDOUS SUBSTAN	CES, nbotte K Anbo	N/A
7.2	Reduction of exposure to hazardous substances	ek Anbotek Anbotek Ar	N/A
7.3 nboten	Ozone exposure	No ozone produced.	N/A
7.4 _{Anbot}	Use of personal safeguards (PPE)	otek subotek Anbore	N/A
K and	Personal safeguards and instructions	Anno tek abotek Anbotes	V VI
7.5	Use of instructional safeguards and instructions	Vupo, Vek Profek Vupo,	N/A
inbotek botek	Instructional safeguard (ISO 7010)	ek Anbotek Anbotek An	Anbotek Anbotek
7.6	Batteries	(See Annex M)	N/A
Anbe	rek potek Anbott Anti-	Anbotek Anbo. Ak notek	Anb
AND	a) MECHANICALLY-CAUSED INJURY	Shotek Anbote Ann	ν P.
494	you was a stay vapor	My March Marion	1

Enclosure is smooth and no mechanical energy sources

MS1



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	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
a a Anbotek	Anbore Ani	Notek III. Mostek	Ann
8.3 Ambot	Safeguards against mechanical energy sources	No additional safeguards is needed to against mechanical energy sources	N/A
8.4	Safeguards against parts with sharp edges and corners	No sharp edges and corners.	stek P
8.4.1	Safeguards	ok hotek Anboten A	N/A
8.5	Safeguards against moving parts	No moving parts within EUT	N/A
8.5.1	MS2 or MS3 part required to be accessible for the function of the equipment	nbotek Anbotek Anbotek	N/A
8.5.2	Instructional Safeguard	Anbotek Anbotek Anb	rek .
8.5.4	Special categories of equipment comprising moving parts	tek Aupotek Aupotek A	N/A
8.5.4.1	Large data storage equipment	botek Anbotes K Man	N/A
8.5.4.2	Equipment having electromechanical device for destruction of media	Anbotek Anbutek Anbotek	N/A
8.5.4.2.1	Safeguards and Safety Interlocks	Anbotek Anbotek Anbo	N/A
8.5.4.2.2	Instructional safeguards against moving parts	anbotek anbotek	N/A
Anbote	Instructional Safeguard	botek Anbotek Anbotek	Anbore
tek Aup	e. Aun alek Vibotek Vipor	And And	eV
8.5.4.2.3	Disconnection from the supply	Ann Anbotek Anbo	N/A
8.5.4.2.4	Probe type and force (N)	ek Anbotek Anbotek Ar	N/A
8.5.5	High Pressure Lamps	botek Anbotek Anbo	N/A
8.5.5.1	Energy Source Classification	abotek Anboten Anbo	N/A
8.5.5.2	High Pressure Lamp Explosion Test	Anbotek Anbotek Anbo	N/A
potek A	botek Ambotek Ambotek anbotek	Anbotek Anbotek Anbo	otek
8.6	Stability	ek Anbote Anb	N/A
8.6.1	Product classification	otek Anboten Anbo	N/A
ek Anbore	Instructional Safeguard	Anbotek Anbotek Anbotek	Anbo
0.60	Static stability	Aupore Aurolek Aupor	N1/A
8.6.2	Static stability	Aupoter, Aup	N/A
8.6.2.2	Static stability test	k Anboten Anbo A.	N/A



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	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
P. Lotel	K Anbore Aris ok botek Ar	pole kek hole	AUD
	Applied Force	Inbotek Anbotek Anbotek	Anbo'
	ni ok ki otek Anbotek Anb	Anbotek Anbotek Anbo	rek
8.6.2.3	Downward Force Test	ok hotek Anbotek Ant	N/A
8.6.3	Relocation stability test	ak hotek Anbotek	N/A
Anbotek	Unit configuration during 10° tilt	Anbotek Anbotek Anbotek Anbotek Anbotek	Anbot Anbot
8.6.4	Glass slide test	Built-in equipment, considered in end system.	N/A
8.6.5	Horizontal force test (Applied Force)	Built-in equipment, considered in end system.	N/A
. Pu.	el Anbotek Anbo historiek	Albore And Botek Alborek	Anbor
	Position of feet or movable parts	Anbotek Anbotek Anbotek	lek —
	Account Armotek Anbotek Anbo	W hotek Anbotek Anb	tek
8.7	Equipment mounted to wall or ceiling	Not such equipment	N/A
8.7.1	Mounting Means (Length of screws (mm) and mounting surface)	Anbotek Anbotek Anbotek	N/A
8.7.2	Direction and applied force	K Anbotek Anbotek Anbo	N/A
	Anbotek Anbotek Anbotek	K And wotek Anbotek Ar	por
3.8	Handles strength	No handle	N/A
3.8.1	Classification	Troote K Anti-Otek Anbotek	N/A
8.8.2	Applied Force	Anbotek Anbotek Anbotek	N/A
8.9	Wheels or casters attachment requirements	No wheels within EUT	N/A
3.9.1	Classification	Pisk Aupolek Aupo Ai	N/A
3.9.2	Applied force	nbotek Anbotek Anbotek	Antotel
	o Annote And And Andordk	Anbors An hotek Anborek	Anb
8.10	Carts, stands and similar carriers	Not such devices	N/A
8.10.1	General	Antote And wotek And	N/A
8.10.2	Marking and instructions	Autorion Muga	N/A



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	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
A. otek	Anboten Anti-	Total Thotal	AUDO
	Instructional Safeguard	Anbotek Anbotek Anbotek Anbotek Anbotek Anbote	An An
8.10.3	Cart, stand or carrier loading test and compliance	Aupotek Vipotek Vic	N/A
Anbotek Anbotek	Applied force	otek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
8.10.4	Cart, stand or carrier impact test	Anbotek Anbort Anti-	N/A
8.10.5	Mechanical stability	Anbotek Anbote Am	o [™] N/A
Anbotek Anbotek	Applied horizontal force (N)	Jek Anbotek Anbotek Anbotek	Anbotek Anbotek
8.10.6	Thermoplastic temperature stability (°C)	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N/A
8.11	Mounting means for rack mounted equipment	Not such apparatus	N/A
8.11.1	General	lek Anbotek Anbote A	N/A
8.11.2	Product Classification	otek Anbotek Anbote	N/A
8.11.3	Mechanical strength test, variable N	Anbotek Anbotek Anbotek	N/A
8.11.4	Mechanical strength test 250N, including end stops	Anbotek Anbotek Anbo	N/A
8.12	Telescoping or rod antennas	No antennas	N/A
Anbote	Button/Ball diameter (mm)	botek Anbotek Anbotek	Anbotel

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

10 nbo	RA	DIATION	Anboten	Anbe	ek n	potek An	boto	Annatek	N/A



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	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
10.2	Radiation energy source classification	No such radiation energy source	N/A
10.2.1	General classification	botek Anbotek Anbo	N/A
10.3	Protection against laser radiation	Antibotek Anbotek Anbo	N/A
hotek	Laser radiation that exists equipment:	K Anbotek Anbotek Anb	-
hotek	Normal, abnormal, single-fault	Kup otek Vupotek	N/A
And	Instructional safeguard	oten Aubotek Vupotek	Anbore
Aupa	Tool	upotek Anbo tek nbotek	Anbott
10.4	Protection against visible, infrared, and UV radiation	Anbotek Anbotek Anbotek	N/A
10.4.1	General	K Notek Anbotek Anb	N/A
10.4.1.a)	RS3 for Ordinary and instructed persons	otek Anbotek Anbotek Anbotek	N/A
10.4.1.b)	RS3 accessible to a skilled person	Anbotek Anbotek Anbotek	N/A
	cope tek abotek Anbote Arro	Anbotek Anbote And	notek
	Personal safeguard (PPE) instructional safeguard	nek Anbotek Anbotek Anbotek	Anbotel Anbotel
10.4.1.c)	Equipment visible, IR, UV does not exceed RS1	Anbotek Anbotek Anbotek Anbotek	N/A
10.4.1.d)	Normal, abnormal, single-fault conditions	tek Anbotek Anbotek Anbotek	N/A
10.4.1.e)	Enclosure material employed as safeguard is opaque	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N/A
10.4.1.f)	UV attenuation	ek Anbotek Anbotek An	N/A
	: Kapotek Vibotek Vibotek Vibo	notek Anbotek Anboten	Anbotek
10.4.1.g)	Materials resistant to degradation UV	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N/A
10.4.1.h)	Enclosure containment of optical radiation	ek Anbotek Anbotek An	N/A



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	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
40 AND TOTOK	Anbor An hotek Anotek An	bo tek abotek Mabote	Ann
10.4.1.i)	Exempt Group under normal operating conditions	Anbotek Anbotek Anbotek	N/A
	odu Annotek Anbotek Anbo	An hotek Anbotek Anbo	rek h.
10.4.2	Instructional safeguard	k Anbotek Anbotek Ani	N/A
Anbotek	Anbore Angelek Anborek An	otek Anbotek Anbotek	Anbotek
10.5	Protection against x-radiation	Inboten And tek nbotek	N/A
10.5.1	X- radiation energy source that exists equipment	Anbotek Anbotek Anbote	N/A
stek	Normal, abnormal, single fault conditions	Anat tek potek Anb	N/A
Anbotek	Equipment safeguards	otek Anbotek Anbotek	N/A
		hotek Anbotek Anbo	h. abot
Aupor	Instructional safeguard for skilled person	Anbotek Anbotek Anbotel	N/A
otek An	siootek Andrek Anbotek Anbotek	Anbotek Anbotek Anb	lek lek
10.5.3	Most unfavourable supply voltage to give maximum radiation	tek Anbotek Anbotek A	Anbotek
	Ambore A sotek Ambore A	Upo tek Abotek Anbote	Ant
k no	Abnormal and single-fault condition	Antonia Anbota	N/A
otek k	resource Amores Amores Amores	Anbotek Anbotek Anbo	tek
inbotek botek	Maximum radiation (pA/kg)	tek Anbotek Anbotek A	N/A
10.6	Protection against acoustic energy sources	bote, wup stek vupotek	N/A
10.6.1	General	Anbotek Anbo tek abotek	N/A
10.6.2	Classification	Anbolek Anbo	N/A
nbotek p	Acoustic output, dB(A)	Anbotek Anbotek An	N/A
Anboten	: Annotek Anno Anno	otek Anbotek Anbotek	Anbore
Anbote	Output voltage, unweighted r.m.s.	Anbotek Anbotek Anbotek	N/A
	Jotek Amborak Attaba Ak Jodek	Anbote, And atek anbot	ek P
10.6.4	Protection of persons	Anboten Anbu Atek	N/A
ipotek	Instructional safeguards	ek Anbotek Anbotek An	N/A



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	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
All	Anbotek Anbo ok motek A	Thore Yes Thores	Aupor
Anbo	ek Anborak Anborek Anborek	Anbotek Anbotek Anbotek	Anbo
hotek Ar	Equipment safeguard prevent ordinary person to RS2	Anbotek Anbotek Anbotek Anbotek Anbotek	otek Ar
Anbotek Anbot	Means to actively inform user of increase sound pressure :	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbot Anbot
Dotek Anbotek Anbotek	Equipment safeguard prevent ordinary person to RS2	otek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
10.6.5	Requirements for listening devices (headphones, earphones, etc.)	Anbotek Anbotek Anbotek	N/A
10.6.5.1	Corded passive listening devices with analog input	Anbotes Anbotek Anbo	N/A
Anbotek Anbotek	Input voltage with 94 dB(A) L _{Aeq} acoustic pressure output	otek Anbotek Anbotek Anbotek	Anbotek Anbote
Anbor	Anbotek Anbotek Anbo	botek Anborr Ant	Your Your
10.6.5.2	Corded listening devices with digital input	Anboten Anboten	N/A
otek	Maximum dB(A)	Anbotek Anbotek Anbo	10×
10.6.5.3	Cordless listening device	And tek abotek Ar	N/A
'Upo	Maximum dB(A)	crek. Augos Augustek	Vuposey.

B Anbe	NORMAL OPERATING CONDITION TESTS, ABNORMAL OPERATING CONDITION TESTS AND SINGLE FAULT CONDITION TESTS		Panbo
B.2	Normal Operating Conditions	Anbotek Anbotek Anbot	P
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	ote P abotek
Anboten	Audio Amplifiers and equipment with audio amplifiers	(See Annex E)	N/A
B.2.3	Supply voltage and tolerances	DC5V/2A	Bupo
B.2.5	Input test:	(See appended table B.2.5)	F P AN
B.3	Simulated abnormal operating conditions	Anbotek Anbo	ote ^K P
B.3.1	General requirements	(See appended table B.3 of 43 pages)	mbot P
B.3.2	Covering of ventilation openings	ole, Aug tek Spotek	N/A



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abotek	EN 62368-1	ek botek Anbote Ant	rek
Clause	Requirement + Test	Result - Remark	Verdict
nbotek	Anbote Am	history kupote	Ans
B.3.3	D.C. mains polarity test	inbote And acek inbotek	N/A
B.3.4	Setting of voltage selector:	No such selector	N/A
B.3.5	Maximum load at output terminals	(See appended table B.3 of 43 pages)	tek P
B.3.6	Reverse battery polarity	Non replaceable	N/A
B.3.7	Abnormal operating conditions as specified in Clause E.2.	During an abnormal operating condition that does not lead to a single fault condition, all safeguards are remained effective. After restoration of normal operating conditions, all safeguards are compliant with applicable requirements.	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions	hotek Ambotek Ambotek	PDOLO
B.4	Simulated single fault conditions	Arme tek anbotek Anbote	V P
B.4.2	Temperature controlling device open or short-circuited:	No such controlling device	N/A
B.4.3	Motor tests	No motor used	N/A
B.4.3.1	Motor blocked or rotor locked increasing the internal ambient temperature:	botek Anbotek Anbotek	N/A
B.4.4	Short circuit of functional insulation	Aupotes Anbore All botek	N/A
B.4.4.1	Short circuit of clearances for functional insulation	Anbotek Anbotek Anbot	N/A
B.4.4.2	Short circuit of creepage distances for functional insulation	ek Anbotek Anbotek An	N/A
B.4.4.3	Short circuit of functional insulation on coated printed boards	botek Anbotek Anbotek	N/A
B.4.5	Short circuit and interruption of electrodes in tubes and semiconductors	Anbotek Anbotek Anbotek	N/A
B.4.6	Short circuit or disconnect of passive components	Anbotek Anbotek An	N/A
B.4.7	Continuous operation of components	Anbo Anbo hotek	N/A
B.4.8	Class 1 and Class 2 energy sources within limits during and after single fault conditions	potek Anbotek Anbotek	N/A
B.4.9	Battery charging under single fault conditions:	(See Annex M)	P
C P	UV RADIATION	Anbotek Anbotek Anbot	N/A
C.1 ^{NeX}	Protection of materials in equipment from UV	General indoor used equipment	N/A
Motek	radiation	only	Anbountek
C.1.2	Requirements	or All tek shotek	N/A



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	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
- notel	K Vupore VIII. Volsk Wilhotek VV	bo kek abotek Aubote.	Ans
C.1.3	Test method	Kupore All Botek Aupotek	N/A
C.2	UV light conditioning test	Anbote And otek anhote	N/A
C.2.1	Test apparatus	Anboten Anbo	N/A
C.2.2	Mounting of test samples	ek nbotek Anbot Air	N/A
C.2.3	Carbon-arc light-exposure apparatus	tek spotek Anbott	N/A
C.2.4	Xenon-arc light exposure apparatus	ob Anbotek Anbote	N/A
b.,	tok Anbotek Anbotek	Anbote All Notek Amboten	Anbe
D Ann	TEST GENERATORS	Anbote And Otek Anbote	N/A
D.1	Impulse test generators	Not such apparatus	N/A
D.2	Antenna interface test generator	k Anbotek Anbot Air	N/A
D.3	Electronic pulse generator	ick hotek Anbore A	N/A
Anbotek	TEST CONDITIONS FOR EQUIPMENT CONTA	INING AUDIO AMPLIEIERS	N/A
	tak Male,	AUDIO AMPLIFIERS	D1.
E.1 Anbo	Audio amplifier normal operating conditions	Anbote And Anbotel	N/A
	Audio signal voltage (V)	Anbotek Anbo tek	rek -
	i botek Anbusk about An	Anbotek Anbotek A.	botek
Anborotek	Rated load impedance (Ω)	tek Anbotek And botek	Anbotek
	et Anbotek Anbotek Anb	hotek Anbot Atek Anbotek	Anbot
Ē.2 Ā.	Audio amplifier abnormal operating conditions	Anbore And tek nootek	N/A
Vu.	ok hotek Anbore his tek	Anti-	tek
5otek tek	EQUIPMENT MARKINGS, INSTRUCTIONS, AN SAFEGUARDS	ND INSTRUCTIONAL	botekP
F.Y	General requirements	lek Anbott K Anti-Otek	Anbopen
Anbote	Instructions – Language:	English	n and
F.2 Anbot	Letter symbols and graphical symbols	notek Anborek Anbor	P
F.2.1	Letter symbols according to IEC60027-1	Anbotek Anbotek	AK P
F.2.2	Graphic symbols IEC, ISO or manufacturer specific	Anbotek Anbotek Anbo	potekP
F.3	Equipment markings	tek Anborek Anbo Ak	nbo'P'
=.3.1	Equipment marking locations	otek Anborek Anbot	Pote Pote
=.3.2	Equipment identification markings	otek abotek Ansate	P
F.3.2.1	Manufacturer identification	See page 2 for details	And
rok An		Ambago 2 for Apricale	G.K.
ore l	Anbotek Anbotek Anbot All betek	- Pupote, Pupo	otek
3.2.2	Model identification	See page 2 for details	abotek
		tek abole	Yu.



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AD.	K. Mark. Mark.	ok "ho, by.	10,
Clause	Requirement + Test	Result - Remark	Verdict
F.3.3	Equipment rating markings	nbotek Anbotek kinbo	Pupor.
F.3.3.1	Equipment with direct connection to mains	abotek Anbote, And	r P m
F.3.3.2	Equipment without direct connection to mains	Anbotok Anbotok Anbo	N/A
F.3.3.3	Nature of supply voltage:	Hotek Anborek Ant	P
F.3.3.4	Rated voltage:	5V== 1	Pok Pok
F.3.3.4	Rated frequency:	oter Ann Otek Anbotek	N/A
F.3.3.6	Rated current or rated power:	2A Andrew	P/pop
F.3.3.7	Equipment with multiple supply connections	No multiple supply connection	N/A
F.3.4	Voltage setting device	No such device	N/A
F.3.5	Terminals and operating devices	L Anbotek Anbot An	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings	nbotek Anbotek Anbotek	N/A
F.3.5.2	Switch position identification marking	Anbotek Anbotek Anbotek	N/A
F.3.5.3	Tipe Anbotek Anbote An	Aupotek Pupo Br.	N/A
F.3.5.4	Replacement battery identification marking	tek upotek Pupor V	N/A
Anbotek	:	hotek Anbotek Anbotek	Anhotel
F.3.5.5	Terminal marking location	Anbotes Ann stek abotek	N/A
F.3.6	Equipment markings related to equipment classification	Anbotek Anbotek Anbo	N/A
F.3.6.1	Class I Equipment	And Stok Anbotek Ar	N/A
F.3.6.1.1	Protective earthing conductor terminal	ler And tek abotek	N/A
F.3.6.1.2	Neutral conductor terminal	botek Anbo tek abotek	N/A
F.3.6.1.3	Protective bonding conductor terminals	Anbotek Anbos As hotek	N/A
F.3.6.2	Class II equipment (IEC60417-5172)	Anbotek Anbote An	N/A
F.3.6.2.1	Class II equipment with or without functional earth	Anbotek Anbotek An	N/A
F.3.6.2.2	Class II equipment with functional earth terminal marking	otek Anbotek Anbotek	N/A
F.3.7 _{Anboto}	Equipment IP rating marking	IPX0 equipment	Vupo,
F 250	All Allerton Anbo All motor	Anbote. Anb. stek spot	P.C.
F.3.8	External power supply output marking	hoten Anbo A.	*ek N



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nbotek	EN 62368-1	ek botek Anbore An	rek
Clause	Requirement + Test	Result - Remark	Verdic
Note V	Anbote Anti- ok hotel An	bo stek mbotes	AUD
F.3.10	Test for permanence of markings	After test there was no damage on the label. The marking on the label did not fade. There was no curling and lifting of the label edge.	K Anbr
4.e/K	Instructions	ak hotek Anbotek Anb	N/A
Anbotek	a) Equipment for use in locations where children not likely to be present - marking	otek Anbotek Anbotek	N/A
Aupor	b) Instructions given for installation or initial use	abotek Anboten Anna	N/A
Anbo	c) Equipment intended to be fastened in place	abotek Anbotes Anb	N/A
ek Ar	d) Equipment intended for use only in restricted access area	Anbotek Anbotek Anb	N/A
Anbotek Anbotek	e) Audio equipment terminals classified as ES3 and other equipment with terminals marked in accordance F.3.6.1	otek Anbotek Anbotek A	N/A
Anbo	f) Protective earthing employed as safeguard	abotek Anbo Lak abotek	N/A
ak Anbo	g) Protective earthing conductor current exceeding ES 2 limits	Anbotek Anbotek Anbotek	N/A
atek .	h) Symbols used on equipment	Anbo rek anbotek Anbo	N/A
	i) Permanently connected equipment not provided with all-pole mains switch	tek Anbotek Anbotek A	N/A
) Anbotek	j) Replaceable components or modules providing safeguard function	botek Anbotek Anbotek	N/A
5 Anbo	Instructional safeguards	Anbotek Anbo	N/A
otek An	Where "instructional safeguard" is referenced in the test report it specifies the required elements, location of marking and/or instruction	Anbotek Anbotek Anbo	e ^k N/A
upoto	Ans Otek Anbotek Anbo A	rek Anbote Ann	nbotek
3 Anbotek	COMPONENTS	stek apotek Anbor	N/A
3.1 mbots	Switches	nbo tok hotek Anbote	N/A
G.1.1	General requirements	Anbotek Anbotek	N/A
G.1.2	Ratings, endurance, spacing, maximum load	Anbo Anbotek Anbot	N/A
G.2	Relays	Anbot An Botek An	N/A
G.2.1	General requirements	No such device used	N/A
G.2.2	Overload test	potek Anbote Anb	N/A
3.2.3	Relay controlling connectors supply power	Anbotek Anbotek	N/A
3.2.4	Mains relay, modified as stated in G.2	An Anboten Anbo	N/A
G.3	Protection Devices	Ann Anbotek Anbor	N/A
G.3.1	Thermal cut-offs	No such device used	N/A
G.3.1.1a) &b)	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	botek Anbotek Anbotek	N/A



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EN 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict
G.3.1.1c)	Thermal cut-outs tested as part of the equipment as indicated in c)	Anbotek Anbotek Anbotek	N/A
G.3.1.2	Thermal cut-off connections maintained and secure	Anbotek Anbotek Anbot	N/A
G.3.2	Thermal links	ek Anbotek Anbote An	N/A
G.3.2.1a)	Thermal links separately tested with IEC 60691	stek anbotek Anbote	N/A
G.3.2.1b)	Thermal links tested as part of the equipment	stek subotek Aupons	N/A
Anbot	Aging hours (H)	Anbotek Anbotek Anbote	k Au
Dec VI	Single Fault Condition	Anhote Ant wotek Ant	REK
hotek	: And the second	tek upotek Aupotek	hotek
	Test Voltage (V) and Insulation Resistance (Ω)	hootek Anbotek Anbotek	Anbote
Ande	ETC The anni internal	Antotek Anbos Air	NI/A
G.3.3 G.3.4	PTC Thermistors	Aupotek Aupor Air.	N/A
G.3.4 G.3.5	Overcurrent protection devices Safeguards components not mentioned in G.3.1	to C 3 Annotek Anno	N/A N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	to G.S.4	N/A
G.3.5.2	Anboten And Otek Anbotek A	inor Air Potek Aupotek	N/A
G.4	Connectors	Anborek Anborek	N/A
G.4.1	Spacings	Anbore And hotek Anb	N/A
G.4.2	Mains connector configuration	ek Anbotek Anbotek A	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	botek Anbotek Anbotek	N/A
G.5	Wound Components	Anbotek Anbotek Anbote	N/A
G.5.1	Wire insulation in wound components	Anbotek Anbotek Anbo	N/A
G.5.1.2 a)	Two wires in contact inside wound component, angle between 45° and 90°	ek Anbotek Anbotek Ar	N/A
G.5.1.2 b)	Construction subject to routine testing	sotek Anbotek Anbo	N/A
G.5.2	Endurance test on wound components	otek Anbotek Anbote	N/A
G.5.2.1	General test requirements	Ant Anbotek Anbotek	N/A
G.5.2.2	Heat run test	Aup Tek upotek Aupo	N/A
anbotek	Time (s)	ek Anbotek Anbotek An	Anbotek



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	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
nbotek	Anbort Ann K Totak Amotek An	bo kak abotek Anbote.	Ann
	Temperature (°C)	Anbotek Anbotek Anbotek	K Anbo
stek An	: Andrew Andrew Andrew	Annotek Anbotek Anbo	otek A.
G.5.2.3	Wound Components supplied by mains	K Abotek Anbote Am	N/A
G.5.3	Transformers	ok Anbotek Anbotek	N/A
G.5.3.1	Requirements applied (IEC61204-7, IEC61558-1/-2, and/or IEC62368-1)	Inbotek Anbotek Anbotek	N/A
	otek anbotek Anbotek	And Anbotek Anbo	rek Fr
nbotek notek	Position	Anbotek Anbotek Anb	hbotek .ek
Anthorek	Method of protection	ster Anbotek	Pupor
	August August Villager	hotek Anbotek Anbotek	Anbore
G.5.3.2	Insulation	Anbotek Anbotek	N/A
*ek	Protection from displacement of windings:	Reinforce insulation	Con L
G.5.3.3	Overload test	(See table B.3)	N/A
	. abote Angstek Anbo An	tek Anbote Anbotek	Anbotek
G.5.3.3.1	Test conditions	Thotak Aupor All Polek	N/A
G.5.3.3.2	Winding Temperatures testing in the unit	Anbotek Anbote And notek	N/A
G.5.3.3.3	Winding Temperatures - Alternative test method	upotek Anbore Ak	N/A
G.5.4	Motors	K shotek Anbote Ant	N/A
G.5.4.1	General requirements	No such device used	N/A
abotek	Position	tok hotek Anboren	Aupr
	Annotek Anbook Anbook	bote And Anbotek Anbotek	Anbor
G.5.4.2	Test conditions	Anbotek Anbotek Anbo	N/A
G.5.4.3	Running overload test	Anbo	N/A
G.5.4.4	Locked-rotor overload test	Anbo Lek abotek An	N/A
Anbotek	Test duration (days)	botek Anbotek Anbotek	Anbotek Anbotek
G.5.4.5	Running overload test for d.c. motors in secondary circuits	Anbotek Anbotek Anbotek	N/A
G.5.4.5.2	Tested in the unit	Anbotek Anbotek Anbol	N/A
Inbotek otek	Electric strength test (V)	ek Anbotek Anbotek An	Aupotek Yupotek



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		EN 62368-1		
Clause	Requirement + Test	otek Anbor	Result - Remark	Verdict
rotek	Anbota Am	abotek An	oo kek	Pupole, Vupo
G.5.4.5.3	Tested on the Bench - Alternative test time (h)		Anbotek Anbotek	N/A
otek Ar	rotek Ambotek Ambotek	Anbotek	All Anbotek	Aupor Ar
	Electric strength test (V)		K Anbotek Anbot	botek Anbotek
Anbabotek	Anbotek Anbotek	obotek Ant	otek Anbouratek	Anbotek Anbote
G.5.4.6	Locked-rotor overload test for d.c. secondary circuits	motors in	Inbotek Anbotek	N/A
G.5.4.6.2	Tested in the unit	Anboro	An Anbotek	N/A
nbotek	Maximum Temperature	Aupore	Anbotek Anbot	N/A
nbotek	Anbot An sotek Anbo	ten Aupo	ek shotek Ant	Jose And Stek
Anbotek	Electric strength test (V)	ibotek Anb	botek Anbotek	N/A
Anbot	And sok shotek	Anbore A	ntek anbotek	Vupo.
G.5.4.6.3	Tested on the bench - Alternative test time	test method;	Anbotek Anbotek	Anbou N/A
	(h)	Yu. Viel	Anbotek Anbo	rox k.
Anbotek	: Anbot Anbotek Anbot	Ve. Vun	tek abotek Anb	or A
	Electric strength test (V)		hootek Anbotek	N/A
	iek Anbotek Anbote	botek	Anbotek Anbos	Anbotek
G.5.4.7	Motors with capacitors	hotek	Anbote. Anb	N/A
G.5.4.8	Three-phase motors	rk Workey	Anbotek Anbo	N/A
G.5.4.9	Series motors	N Ann	rek Aupotek Aup	N/A
Anboten	Operating voltage	pote. And	botek Anbotek A	Anbotek Anbote
G.6 NO	Wire Insulation	W. Spotek	Aupore, Aun	N/A
G.6.1	General	Ar.	Anboten Anbo	L WOTEN
G.6.2	Solvent-based enamel wiring insul	ation	Antotek Anbo	N/A N/A
G.0.2	Mains supply cords	ation _N	tek Aupotek Aup	N/A
G.7.1	General requirements	ote. And	otek Anbotek A	N/A
Anbolo	Type	Amboten Ar	Anbotek Anbotek	Anbotek Anbo
	otek Anboret Anbar	botek	Anbotek Anbo	A. Abotek A
ofer A	Rated current (A)	k Anbotek	Anbotek Anbo	tek Autorek
AUD FOR	Anbotek Anbote And	otek Anbot	sk Aupor Au	hotek Anboten



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upo.	EN 62368-1	ak work Arm	193°
Clause	Requirement + Test	Result - Remark	Verdict
nbotek	Anbor Am Anhotek Anh	200 kg kupote	Ann
	Cross-sectional area (mm²), (AWG)	Anbote An Botek Anbotek	Anbo
	stek Anbote Anb tak shotek	Anbotes Anb	ek Ar
G.7.2	Compliance and test method	Anboter Anb stek and	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	K Anbotek Anbotek	N/A
G.7.3.2	Cord strain relief	ore Am otek Ambotek	N/A
G.7.3.2.1	Requirements	inpotes Aupotek	N/A
tek Anh	Strain relief test force (N)	Anbotek Anbotek Anbotek Anbote	otek —
G.7.3.2.2	Strain relief mechanism failure	tek abotek Anbote	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm)	hotek Anbotek Anbotek	Anbot
	iek Anbotek Anbotek	Anbotek Anbote Anbote	K Ani
G.7.3.2.4	Strain relief comprised of polymeric material	Aupoten Aup	o ^{w™} N/A
G.7.4	Cord Entry	Anbotek Anbo tek	botek
	- Author - Author - Author	lek Anbotek Anbote A	N/A
G.7.5	Non-detachable cord bend protection	otek Anbotek Anbote	N/A
G.7.5.1	Requirements	bo tek hotel Anbote	N/A
G.7.5.2	Mass (g)	Anho tek anbotek Anbote	Y Yar
potek P	Potek Anbord Amadek	Anbotek Anbotek Anb	notek
	Diameter (m)	botek Anbotek Anbotek	Anbotek Anbote
atek Anbr	Temperature (°C)	Anbotek Anbotek Anbotek	Anb
0.7%	Opertek Anbotek Anbotek	Aupor Air.	boter
G.7.6	Supply wiring space	ek Anbor An	N/A
G.7.6.2	Stratiued wife	Dotek Anbore And work	N/A
G.7.6.2.1	Test with 8 mm strand	anbutek Anbote, Anb	N/A
G.8	Varistors	Anbotek Anboten Anbo	N/A
G.8.1	General requirements	An Anbotek Anbo	N/A
G.8.2	Safeguard against shock	K Lotek Amotek Ar	N/A
G.8.3 G.8.3.2	Safeguard against fire Varistor overload test:	er Anbo Matek	N/A N/A



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	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
abotek.	Anbote And Anbotek An	bo kill notek Anbotes	Anb
G.8.3.3	Temporary overvoltage	Anbote And tek abotek	N/A
G.9 And	Integrated Circuit (IC) Current Limiters	Ambotek Ando sek shote	N/A
G.9.1 a)	Manufacturer defines limit at max. 5A.	No such components used	N/A
G.9.1 b)	Limiters do not have manual operator or reset	k potek Anbore An	N/A
G.9.1 c)	Supply source does not exceed 250 VA	tek Abotek Anbote	Lup Otek
Anbotek	: Annotek Annotek Annotek	otek Anbotek Anboten	Anbabote
G.9.1 d)	IC limiter output current (max. 5A)	Anbotek Anbotek Anbote	Ant
	otek Amorek Americak hotek	Anboten Anbo stek nb	otek
G.9.1 e)	Manufacturers' defined drift	Anbotek Anbo	botek
Anbotek	Anbotek Anbotek Anbotek Anb	otek Anbotek Anbotek	Anbotek
G.9.2	Test Program 1	obotek Anbore K Motek	N/A
G.9.3	Test Program 2	abotek Anbote And	N/A
G.9.4	Test Program 3	Anboton Amb	N/A
G.10	Resistors	k hotek Anbotek Anb	N/A
G.10.1	General requirements	No such components used	N/A
G.10.2	Resistor test	otek Anbotek	N/A
G.10.3	Test for resistors serving as safeguards between the mains and an external circuit consisting of a coaxial cable	Anbotek Anbotek Anbotek	N/A
G.10.3.1	General requirements	Anbotes K Han Jotek Anbo	N/A
G.10.3.2	Voltage surge test	Anbota Anti Otek	N/A
G.10.3.3	Impulse test	tek Anboren Anna stek	N/A
G.11	Capacitor and RC units	notek Anbotes Anb	N/A
G.11.1	General requirements	notek Anbotek Anbot	N/A
G.11.2 🗝	Conditioning of capacitors and RC units	Anti-	N/A
G.11.3	Rules for selecting capacitors	Anst tek abotek Anbo	N/A
G.12	Optocouplers	Anboa Lak Shotek Ar	N/A
Anbotek Anbotek	Optocouplers comply with IEC 60747-5-5:2007 Spacing or Electric Strength Test (specify option and test results)	Notek Anbotek Anbotek	N/A
otek Anbo	Type test voltage Vini	Anbotek Anbotek Anbotek Anbotek	ek Aupo
anbotek otek	Routine test voltage, Vini,b	tek Anbotek Anbotek An	Anbotek Anbotek
G.13	Printed boards	poter Annor K notek	AUD TON



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	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
All wotek	Aupoten Miss	oots kill stek subotek	Aupo
G.13.1	General requirements	Amboten Ambo tak abotek	Pupor
G.13.2	Uncoated printed boards	Anbotek Anbot Air bote	N/A
G.13.3	Coated printed boards	anbotek Anbote All	N/A
G.13.4	Insulation between conductors on the same inner surface	k Anbotek Anbotek An	N/A
Anbotek Anbotek	Compliance with cemented joint requirements (Specify construction)	otek Anbotek Anbotek	Aupote,
rek n	stek Anbote An Lotek Anbotek	Anbotek Anbote	An.
G.13.5	Insulation between conductors on different surfaces	Anbotek Anbotek Anb	N/A
Anbotek Anbotek	Distance through insulation	otek Anbotek Anbotek	N/A
Nu.	Number of insulation layers (pcs)	Anbotek Anbotek anbotel	-Anb
G.13.6	Tests on coated printed boards	Anbotek Anbo	N/A
G.13.6.1	Sample preparation and preliminary inspection	Anbotek Anbot All	N/A
G.13.6.2a)	Thermal conditioning	tek abotek Anbotek	N/A
G.13.6.2b)	Electric strength test	tek abotek Anbotek	N/A
G.13.6.2c)	Abrasion resistance test	hotek Anbotek Anbote	N/A
G.14	Coating on components terminals	Anbote Anbotek Anbotes	N/A
G.14.1	Requirements:	Anbore Anborek Anbo	N/A
G.15	Liquid filled components	Anbote And Otek	N/A
G.15.1	General requirements	No such components used	N/A
G.15.2	Requirements	botek Anbotek Anbo	N/A
G.15.3	Compliance and test methods	notek Anbotek Anbote	N/A
G.15.3.1	Hydrostatic pressure test	And otek Anbotek Anbots	N/A
G.15.3.2	Creep resistance test	Anbo tek abotek Anbo	N/A
G.15.3.3	Tubing and fittings compatibility test	Antio Lek abotek Ar	N/A
G.15.3.4	Vibration test	ek Anbor All notek	N/A
G.15.3.5	Thermal cycling test	botek Anbott Ant wotek	N/A
G.15.3.6	Force test	Anbotek Anbore Anborek	N/A
G.15.4	Compliance	abotek Anboten Anbo	N/A
G.16	IC including capacitor discharge function (IC)	X) shotek Ambotek Ambo	N/A
a)	Humidity treatment in accordance with sc5.4.8 – 120 hours	No such components used	N/A



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	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
All otek	Anboten Anbo Jok Hotek An	oote Americk anbotek	Aupo
b) Ambo	Impulse test using circuit 2 with Uc = to transient voltage	Anbotek Anbotek Anbotel	N/A
rek A	nick Andrew Andrew	Anbotek Anbotek Anbo	otek k
C1)	Application of ac voltage at 110% of rated voltage for 2.5 minutes	k Anbotek Anbotek	N/A
C2)	Test voltage	otek Anbotek Anbotek	Anbotek
D1)	10,000 cycles on and off using capacitor with smallest capacitance resistor with largest resistance specified by manufacturer	Anbotek Anbotek Anbo	N/A
D2)	Capacitance	otek Anbotek Anbotek	Anbotek Anbotek
D3)	Resistance	obotek Anbote Anbotek	Anbo'
	· A work Andrew Andrew	abotek Anbote And	iek _
Anbot An	iek Anbotek Anbotek Anbotek	Anbotek Anbotek Anbo	rek Pu
Anbot Anbot	CRITERIA FOR TELEPHONE RINGING SIGNA	Anbotek Anbote	N/A
00	CRITERIA FOR TELEPHONE RINGING SIGNA General	ALS Not such apparatus	N/A N/A
H.1	rek above And	K Di.	noter
H.1 otek	General	K Di.	N/A
H.1 H.2 H.3	General Method A	K Di.	N/A N/A
H.1 H.2 H.3 H.3.1	General Method A Method B	K Di.	N/A N/A N/A
H.1 H.2	General Method A Method B Ringing signal	K Di.	N/A N/A N/A
H.1 H.2 H.3 H.3.1 H.3.1.1	General Method A Method B Ringing signal Frequency (Hz)	K Di.	N/A N/A N/A
H.1 H.2 H.3 H.3.1 H.3.1.1 H.3.1.2 H.3.1.3	General Method A Method B Ringing signal Frequency (Hz)	K Di.	N/A N/A N/A
H.1 H.2 H.3 H.3.1 H.3.1.1 H.3.1.2 H.3.1.3 H.3.1.4	General Method A Method B Ringing signal Frequency (Hz)	K Di.	N/A N/A N/A
H.1 H.2 H.3 H.3.1 H.3.1.1 H.3.1.2	General Method A Method B Ringing signal Frequency (Hz)	K Di.	N/A N/A N/A N/A
H.1 H.2 H.3 H.3.1 H.3.1.1 H.3.1.2 H.3.1.3 H.3.1.4	General Method A Method B Ringing signal Frequency (Hz)	K Di.	N/A N/A N/A N/A N/A N/A N/A

J	INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION		N/A	
Yo.	2/0	General requirements	No such winding wire used	N/A

K	SAFETY INTERLOCKS		N/A
K.1	General requirements	No safety interlocks in the EUT	N/A
K.2	Components of safety interlock safeguard mechanism		N/A



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Clause	Requirement + Test	Result - Remark	Verdic
270-	k Anborr Am ok hotek An	oo k. Tek noore.	Ann
K.3	Inadvertent change of operating mode		N/A
K.4	Interlock safeguard override		N/A
K.5	Fail-safe		N/A
	Compliance:		N/A
K.6	Mechanically operated safety interlocks		N/A
K.6.1	Endurance requirement		N/A
K.6.2	Compliance and Test method:		N/A
K.7	Interlock circuit isolation		N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements (type and circuit location):		N/A
K.7.2	Overload test, Current (A):		N/A
K.7.3	Endurance test		N/A
K.7.4	Electric strength test:		N/A
Vur	k notek Anbo. All tak	abotel Anti-	10.0
L	DISCONNECT DEVICES	1	N/A
L.1	General requirements		N/A
L.2	Permanently connected equipment		N/A
L.3	Parts that remain energized		N/A
L.4	Single phase equipment		N/A
L.5	Three-phase equipment		N/A
L.6	Switches as disconnect devices		N/A
L.7	Plugs as disconnect devices		N/A
L.8	Multiple power sources		N/A
rek	Anbote And Andrew Andrew	rek bote.	And
M	EQUIPMENT CONTAINING BATTERIES AND	THEIR PROTECTION CIRCUITS	N/A
M.1	General requirements		N/A
M.2	Safety of batteries and their cells	Through IEC62368 certification	N/A
M.2.1	Requirements		N/A
M.2.2	Compliance and test method (identify method)		N/A
M.3	Protection circuits		N/A
M.3.1	Requirements		N/A
M.3.2	Tests		N/A
	- Overcharging of a rechargeable battery	(See append table Annex M)	N/A
	- Unintentional charging of a non-rechargeable battery		N/A

N/A

- Reverse charging of a rechargeable battery



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, A	otek anbor All	ok Vipo, k.	Apole,
Clause	Requirement + Test	Result - Remark	Verdict
otek.	- Excessive discharging rate for any battery	(See append table Annex M)	N/A
M.3.3	Compliance	(See append table Annex M)	N/A
	:	(,	
M.4	Additional safeguards for equipment containing secondary lithium battery		N/A
M.4.1	General		N/A
M.4.2	Charging safeguards		N/A
M.4.2.1	Charging operating limits		N/A
M.4.2.2a)	Charging voltage, current and temperature	(See append table Annex M.4)	N/A
	:		
M.4.2.2 b)	Single faults in charging circuitry	(See Annex B.4 and append table Annex M.4)	N/A
	:	,	
M.4.3	Fire Enclosure	V-0 enclosure & PCB used	N/A
M.4.4	Endurance of equipment containing a secondary lithium battery	Through IEC62368 certification	N/A
VI.4.4.2	Preparation		N/A
M.4.4.3	Drop and charge/discharge function tests		N/A
	Drop		N/A
	Charge		N/A
	Discharge		N/A
VI.4.4.4	Charge-discharge cycle test		N/A
M.4.4.5	Result of charge-discharge cycle test		N/A
И.5	Risk of burn due to short circuit during carrying		N/A
И.5.1	Requirement		N/A
M.5.2	Compliance and Test Method (Test of P.2.3)		N/A
М.6	Prevention of short circuits and protection from other effects of electric current		N/A
M.6.1	Short circuits		N/A
M.6.1.1	General requirements		
M.6.1.2	Test method to simulate an internal fault		_
M.6.1.3	Compliance (Specify M.6.1.2 or alternative method)		_
	:		
M.6.2	Leakage current (mA)		N/A



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botek	EN 62368-1	And hotek Anbotek A	upo. *ek
Clause	Requirement + Test	Result - Remark	Verdict
n otel	K Anbote Anti-	otek nbotek	Anbo
M.7	Risk of explosion from lead acid and NiCd batteries	No such battery used	N/A
M.7.1	Ventilation preventing explosive gas concentration		N/A
M.7.2	Compliance and test method		N/A
M.8	Protection against internal ignition from external spark sources of lead acid batteries	No such battery used	N/A
M.8.1	General requirements		N/A
M.8.2	Test method		N/A
M.8.2.1	General requirements		N/A
M.8.2.2	Estimation of hypothetical volume <i>Vz</i> (m³/s)		N/A
M.8.2.3	Correction factors		N/A
M.8.2.4	Calculation of distance d (mm)		N/A
M.9	Preventing electrolyte spillage	No such battery used	N/A
M.9.1	Protection from electrolyte spillage		N/A
M.9.2	Tray for preventing electrolyte spillage		N/A
M.10	Instructions to prevent reasonably foreseeable misuse (Determination of compliance: inspection, data review; or abnormal testing)	he we tolke	N/A
N	ELECTROCHEMICAL POTENTIALS	. 101	N/A
a Gr	Metal(s) used		K An
0	MEASUREMENT OF CREEPAGE DISTANCES	AND CLEARANCES	P
	Figures O.1 to O.20 of this Annex applied		Anbotek
V	DAFFOLIADDO AGAINOT ENTRY OF FORFION	LOD LECTO AND COUL AGE OF	Ann
Р	SAFEGUARDS AGAINST ENTRY OF FOREIGN INTERNAL LIQUIDS	OBJECTS AND SPILLAGE OF	N/A
P.1	General requirements		N/A
P.2.2	Safeguards against entry of foreign object		N/A
	Location and Dimensions (mm):		Anboro



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	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
All	K Anboten Anis	both wholest	Aupo
P.2.3	Safeguard against the consequences of entry of foreign object		N/A
P.2.3.1	Safeguards against the entry of a foreign object		N/A
	Openings in transportable equipment		N/A
	Transportable equipment with metalized plastic parts		N/A
	:		
P.2.3.2	Openings in transportable equipment in relation to metallized parts of a barrier or enclosure (identification of supplementary safeguard)		N/A
P.3	Safeguards against spillage of internal liquids		N/A
P.3.1	General requirements		N/A
P.3.2	Determination of spillage consequences		N/A
P.3.3	Spillage safeguards		N/A
P.3.4	Safeguards effectiveness		N/A
P.4	Metallized coatings and adhesive securing parts		N/A
P.4.2 a)	Conditioning testing		N/A
	Tc (°C)		_
	Tr (°C)		_
	Ta (°C)		_
P.4.2 b)	Abrasion testing		N/A
P.4.2 c)	Mechanical strength testing		N/A
-01	ek Anbore Anii ink notek Ar	ibo. A. tek inpote.	AUD
Q	CIRCUITS INTENDED FOR INTERCONNECTION	ON WITH BUILDING WIRING	Р
Q.1	Limited power sources		Р
Q.1.1 a)	Inherently limited output		N/A
Q.1.1 b)	Impedance limited output		N/A

N/A

- Regulating network limited output under normal operating and simulated single fault condition



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	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Ans	k Anbotek Anbo ak hotek An	poter, Mupp	Anbore
Q.1.1 c)	Overcurrent protective device limited output		Р
Q.1.1 d)	IC current limiter complying with G.9		N/A
Q.1.2	Compliance and test method		Р
Q.2	Test for external circuits – paired conductor cable		N/A
	Maximum output current (A)		Anbote.
	Current limiting method		_
nov	i del	K NOTO PLIN	Nos
R	LIMITED SHORT CIRCUIT TEST	ND OK	N/A
 R.1	General requirements		N/A
R.2	Determination of the overcurrent protective device and circuit		N/A
R.3	Test method Supply voltage (V) and short-circuit current (A)).		N/A
/p-	The Author All Potes	Aupo Tek	abole
S	TESTS FOR RESISTANCE TO HEAT AND FIRE		N/A
S.1	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W		N/A
	Samples, material		8K -
	Wall thickness (mm):		-ak
	Conditioning (°C):		0010
	Test flame according to IEC 60695-11-5 with conditions as set out		N/A
	- Material not consumed completely		N/A
	- Material extinguishes within 30s		N/A
	- No burning of layer or wrapping tissue		N/A
S.2	Flammability test for fire enclosure and fire barrier integrity		N/A
	Samples, material		oto do
	Wall thickness (mm):		Anb
	Conditioning (°C):		K - 1
	Test flame according to IEC 60695-11-5 with conditions as set out		N/A
	Test specimen does not show any additional hole		N/A



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	EN 62368-1		
Clause	Requirement + Test	Result - Remark	Verdic
AU.	k Vupoles Vipo	sote And stek abovek	Anbor
S.3	Flammability test for the bottom of a fire enclosure		N/A
	Samples, material:		-ak
	Wall thickness (mm)		ok ok
	Cheesecloth did not ignite		N/A
S.4	Flammability classification of materials		N/A
S.5	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W		N/A
	Samples, material		rek
	Wall thickness (mm)		botek
	Conditioning (test condition), (°C)		abotek.
	Test flame according to IEC 60695-11-20 with conditions as set out		N/A
	After every test specimen was not consumed completely		N/A
	After fifth flame application, flame extinguished within 1 min		N/A
Vupo.	rek abote. Ann	Hek Mpore All.	hoten
T	MECHANICAL STRENGTH TESTS		P
T.1	General requirements		Р
Т.2 Т.3	Steady force test, 10 N		P
т.э Т.4	<u> </u>		N/A N/A
T.5	Steady force test, 100 N		P IN/A
<u>г.э</u> Г.6	Enclosure impact test		N/A
1.0	Fall test		N/A
	Swing test		N/A
Г.7	Drop test:		P
T.8	Stress relief test	(See table T8)	Р
<u>г.о</u> Г.9	Impact Test (glass)	(Occ table 10)	N/A
г.э Т.9.1			N/A
	General requirements		
Γ.9.2	Impact test and compliance		N/A
	Impact energy (J)		-tek
	Height (m)		00
T.10	Glass fragmentation test		N/A
	1		



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	EN 62368-1	
Clause	Requirement + Test Result - Remark	Verdict
P).	K Nupores Mina K Notek Minage	Aupo
	Torque value (Nm):	PUPO,
VUD.	w neek Anbor Am ak notek Anbo ke	K -c
U	MECHANICAL STRENGTH OF CATHODE RAY TUBES (CRT) AND PROTECTION AGAINST THE EFECTS OF IMPLOSION	N/A
U.1	General requirements	N/A
U.2	Compliance and test method for non-intrinsically protected CRTs	N/A
U.3	Protective Screen :	N/A
V	otek Anbort Ann ok hotek Anbo ki tek no	ofe.
V	DETERMINATION OF ACCESSIBLE PARTS (FINGERS, PROBES AND WEDGES)	Р
V.1	Accessible parts of equipment	Р
V.2	Accessible part criterion	Р

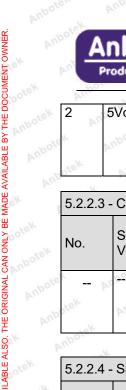
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4.1.2	TAB	LE: List of critical con	nponents	Anbotek Anbot	Lek botek	VUP OF BU
Object / part	No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹
Cell	Anbote	Shenzhen Ruilong New energy Technology Co.,Ltd	EL6060100P	3.7Vd.c., 4000mAh	IEC62133:2012	CB Report NO.5019280 7 001
Enclosure	ik br	FORMOSA CHEMIC ALS	PC+ABS	Min Thk 1.5mm V-1	IEC 60695-11- 10, IEC 60695- 11-20	UL E162823
Internal line	otek	BO SUNG SILICONE CO	3239	150℃ VW-1	UL 758	UL E131290
PCB	18/	Interchangeable	Interchangeable	V-1 or better, 130℃	UL796	UL Anbor



4.8.4, 4.8.5	TABLE: Lithium coin/button cell batteries mechanical tests N/A									
(The follow	ing mechanica	Il tests are conducted in the seque	nce noted.)	W. 19.						
4.8.4.2	TABLE: St	ress Relief test		_						
F	Part	Material	Oven Temperature (°C)	Comments						
by.	otek vup	oten Ando - K hotek	Anbore Ann stek	otek Anbo						
4.8.4.3	TABLE: Ba	ittery replacement test	ek Anbolek Ancos Al							
Battery pa	rt no) 100	_						
Battery Ins	stallation/witho	drawal	Battery Installation/Removal Cycle	Comments						
Anboten	Anbe	k - botek Anbore	Ann otek Anbotek Anbo	k hotek						
4.8.4.4	TABLE: Dro	op test	Anbotek Anbotek Anbote	_						
Impact Area	a	Drop Distance	Drop No.	Observations						
botek	Pupore b	botek Amotek Anbo	tek hotek - Anbore	otek Anbi						
4.8.4.5	TABLE: Im	pact notek Anbote An	otek Anbotek Anbotek	_						
Impacts	per surface	Surface tested	Impact energy (Nm)	Comments						
nbote	Aupor.	K wotek - Anboten	Anbot Anbotek Anbote	An-						
4.8.4.6	TABLE: Cr	ush test	Anbow Anb	dre. Aug.						
Test	position	Surface tested	Crushing Force (N)	Duration force applied (s)						
, upotek	-Aupo.	Andotek Andote And	tek spotek Anbot	Vinna Vien						
Supplemen	ntary information	on: Am otek Ambotek	Anborek Anborek	Anbo						
4.8.5 TA	BLE: Lithium	n coin/button cell batteries mec	hanical test result	N/A						
Test po	sition	Surface tested	Force (N)	Duration force applied (s)						
potek -	"upor "K	hotek - Anboten Arbo	rek nbotok Anbore A	noteit Anbo						
Supplemer	ntary information	on: atek anbotek Anb	ok hotek Anbotes	And						

Rup,	0 -	Pr.	-dek - anbote.	VUD	wotek Ani	DOL VIII	ek a	boter -			
5.2	botek	able: (Classification of e	electrical energy s	ources	notek Anbo	71	P			
5.2.2.2 – Steady State Voltage and Current conditions											
						Parameters					
No.	Supply Location (e.g. circuit Te designation)		Test conditions	U (Vrms or Vpk)	I (mApk or mArms)	Hz	ES Class				
1 A'	5Vdc	Ant	Output (+) TO (-)	Normal	5.11 Vrms	anbotek Anbot	DC An	ES1			
ek.	Aupor	-14	notek Anb	oter Anbe	, whotek	Anbor An	Nex	anbotek			



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2	5Vdc	Ant	5VDC Output	Abnormal, Overload Output.	5.11 Vrms	2.65A Rms	DC	ES1
16	Anbo.		botek Ant	oter And	5.11 Vrms	2.65A Rms	DC	
otek	Anbole		Au	abotek Anbo	K. Stek	anbote.	Ans	hote

5.2.2.3 - Capacitance Limits							
No. Supply Voltage		Location (e.g.	T	Param	neters	F0 01	
		circuit designation)	Test conditions	Capacitance, nF	Upk (V)	ES Class	
ek ar	100cc V	101	Gren Aupo	- Rek and	ore. Aug	- notek	
otek	Anbotek	Anbore An	nbotek Anboth	Anbo botek A	nbotek Anbote	Anumbotel	
-ak	-hotek	Anbo	- stek ant	ote And	- notek Anbot	by.	

5.2.2.4 - Single Pulses										
	Supply	Location (e.g.			Parameters		0			
No.	Voltage	circuit designation)	Test conditions	Duration (ms)	Upk (V)	Ipk (mA)	ES Class			
O'cek	Fupor.	Air. Notek	Normal	rek spote	K Anbore	_ And otek	Anbotek			
botek	Anbote.	And	Abnormal	- ok so	otok Anbote	- And	- nbo			
Anbotek	k Anbotek	ek Anbotek	Single fault – SC/OC	nbotek An	inbotek Anb	hotek Anbo	stek by			

5.2.2.5	5.2.2.5 - Repetitive Pulses										
	Supply	Location (e.g.									
No. Voltage		circuit designation)	Test conditions	Off time (ms)	Upk (V)	lpk (mA)	ES Class				
- ote	- Anbotek	- Anbo	Normal	Anhote. An	- dek an	otek Anbc	Y. VIII				
Anba	tek nbc	lek Aupore	Abnormal	Anboten	And tek	abotek A	hote. K				
Anb	nbotek A	botek Anbot	Single fault – SC/OC	- Anbotek	- Anbotek	Anbotek	Anboten				

Test Conditions:

Normal -

Abnormal -

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



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Vu.	sotek Anbo	ja.	Nex	abole.	Anb		Major	nbot
5.4.1.4, 6.3.2, 9.0, B.2.6	TABLE: Temperature	measureme	nts Inbotek				Anbotek Notek	Anbotek Anbotek
hotek Anb	Supply voltage (V) .	Anbotek		C5V harge	DC5V/2A Discharge	Nr botek	Anbote	_
no stek	Ambient T _{min} (°C)	k	K A'	40	40	hote	Ant Ant	—
Anse	Ambient T _{max} (°C)		otek	40	40	P2.	1010K	_
Anbo	Tma (°C)	ote. And	-botek	25 Anbote	25	ek A	nbotek	_
√laximum me	easured temperature T	of part/at:			T (°C)			Allowed T _{max} (°C)
PCB near US	SB1 And	abotek	Anbo	75.5	80.4	Anbotek	Anbo	130
PCB near US	SB2 of the American	A. hotel	L AT	67.1	68.0	abote	K- Aup	130
PCB near inp	out terminal	An	tel	56.7	58.9	×.	or ek	130
_1 Anbo	hotek Anbo	And.	rek	78.1	82.3	K VIII	rotek	130
PCB near U3	Au. otek	upotek A	nbo.	73.7	75.5		'un clek	130
DC lead wire	Yer. Yung	abotek	Aupor	54.7	56.3	otek	Hupo.	85
Battery body	abotek Anbo	hotek hotek	Anbor	49.9	58.9	nyotek	- Anbor	bu.
Enclosure ins	side near L1	Am	67	48.5	50.1	hote	K Anb	- An
Enclosure ou	tside near L1	Ann	ick.	47.5	48.9	70	otek o	, 80
Supplementa	ary information:	ter Aupo	You	botek	Anbole	Ans	stek	nbotek
Гетрегаture	T of winding:	T2 (°C)	R ₁ (Ω)	t ₂ (°C)	R ₂ (Ω)	T (°C)	Allowed T _{max} (°C)	Insulatior class
potek An	bo botek	Anhoten	AUD	rek -	abotek p	hpord	VII.	iek - an'
- Supplementa	ary information:	Anboten	Ant	otek.	Anbotek .	Anboro	Anb	notek

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

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

5.4.1.10.2 TABLE: Vicat softening temperature of	thermoplastics N/A
Penetration (mm)	tek Anbotek Anbote Anbote
Object/ Part No./Material	Manufacturer/t T softening (°C) rademark
Anbotek Anbote And Otek	Anbotek Anbotek
supplementary information:	k abotek Anbote Ans otek Anbotek

5.4.1.10.3	TABLE: Ball pre	essure test of	thermoplastic	s pro	ote ^K	Anbotek	Anbot	N/A
Allowed impr	ession diameter	(mm)	:	≤ 2 mm	hotek	Anbot	Ek Vupe	_
Object/Part N	lo./Material	Manufacturer/	/trademark	Test tem	perature (°C) I	mpression d	iameter (mm)
Bobbin of tra	nsformer	Anbo	abotek	Anbore V	Ann	/ -	nbotek	Anbo
Supplementa	ry information:	Anbo	A. hotek	Anboter	Anb	Yes	abotek	Anboro



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5.4.2.2,	TABLE: Minimum	n Clearan	ces/Creep	age distance	ak Aupo		otek	Vup Gek
5.4.2.4 and 5.4.3							Anboundtek	
) and creepage at/of/between:	Up (V)	U r.m.s. (V)	Frequency (kHz) ¹	Required cl (mm)	cl (mm) ²	Required ³ cr (mm)	cr (mm)
Between the	poles of the cell	Au	4.2	Anbatek	Anbo	A. bot	0.5 Anbs	>0.8
Supplementa	ry information:	ofer	AUD	botek	Anbore	N. Dur.	stek a	botek

5.4.2.3	TABLE: Minimum Cleara	nces distances using	required withstan	d voltage	N/A
Itek A	Overvoltage Category (C	OV):	Anber Anber	yer Ande	II nbote
hotek	Pollution Degree:	nbotek Anbote	An notek	hbotek Anbo	2
Clearance	e distanced between:	Required withstand voltage	Required cl (mm)	Measured	cl (mm)
Aupoten	Ann Otek Anbotek	Vupos - Vek	otek Anbotes	Aug 46K	nbotek
Suppleme	ntary information:	Anbore An	otek anbotek	Anbo	Potek Potek

5.4.2.4	TABLE: Clearances base	ed on electric streng	th test	potek Anbou	N/A
Test volta	ge applied between:	Required cl (mm)	Test voltage (Kv) peak/ r.m.s. / d.c.	Breakd Yes /	
- Anbotek	Anbos tek Anbotek	Auporon Autr	otek Anbotek	Anbore An	botek
Suppleme	entary information:	k Aupole, A	no tek abotek	Anbor	An.

5.4.4.2,	TABLE: Distance	tnrougn insulatio	n measurem	ents		N/A
5.4.4.5 c) 5.4.4.9	Anbotek Anbotek	Anbotek Anbotek	Anbotek	Anbotek	Anbotek	Anbotsk Anbo
Distance th at/of:	rough insulation di	Peak voltage (V)	Frequency (kHz)	Material	Required DTI (mm)	DTI (mm)
Anbo	- Arr	"pote" - Pupp	Y	stek - anbor	811.	- notek
The sheet r	material at/of:	U peak (V)	Frequency (kHz)	Material	Required layers	Layers
Dofer A	ho vek	Mole	YLL - OK	hotel	Yupo.	tek - nbo
-00	tary information: nal insulation; BI: Basi	c insulation; SI: Su	oplementary i	nsulation; RI: rei	inforced insulation	on., nbotek

5.4.9	TABLE: Electric strength tests	tek hotek	Anbote K Ant	N/A
Test volta	ge applied between:	Voltage shape (AC, DC)	Test voltage (V)	Breakdown Yes / No
<u> </u>	stek anbote And	Potek Vupo.	br rek	aboter - And
Suppleme	entary information:	And otek And	otek Anbo	An botek An

5.5.2.2	TABLE: Stored discharge on capacitors	Aupo	-K wotek	Anbore	N/A
V 11 11	WO				0



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Supply Voltage (V), Hz	Test Location	Operating Condition (N, S)	Switch position On or off	Measured Voltage (after 2 seconds)	ES Classification
Ster And	- dek	Upole Vui	W	"Otek Aupo"	A. rek abote
rek "pofer	Pape L	- sek	mbore Ar	- wotek	- Aupo
□ ICX: Notes:	Anbotek Anbotek	X-capacitors in: □ bleedir	stalled for testi ng resistor ratir	0/1.	
A. Test Location:	a ta Dhaga, Dh	nbo to Forth a	nd/or Noutral t	boten And	
Phase to Neutral; Phase			nd/or Neutral t	o Earm	
B. Operating condition	abbreviations:				
N – Normal operating co	ondition (e.g., r	normal operation	on, or open fus	e); S –Single fault con	dition

5.6.6.2	TABLE: Resistance of	protective condu	uctors and terminati	ons	N/A
Δ	ccessible part	Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)
hotek P	inpo rek spotek	Anbole A	otek - nbotek	AUDOC OK	An Motek Anb
Supplement	tary information:	ak Anboten	Anbotek Anbo	tek Anbote	K Anbotek

5.7.2.2, 5.7.4	TABLE: Earthed accessible conductive part	Anbotek Anbotek Anbo	N/A
Supply vo	tage	Anbotek Ar	_
Location		Test conditions specified in 6.1 of IEC 60990 or Fault Condition No in IEC 60990 clause 6.2.2.1 through 6.2.2.8, except for 6.2.2.7	Touch current (mA)
- Aupor	K Notek Anboten Anbo	- botek Anbote Anb	ek- nbotek
ek Ant	oto. Ann otek Anbotek Anbot	- Anbotek Anbotek Anbo	otek sphotek

Supplementary Information:

Notes:

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



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6.2.2	Table: Electrical	power sources	(PS) measurements fo	or classification	ek aboPK
Source	Description	Measurement	Max Power after 3 s	Max Power after 5 s*)	PS Classification
re Vin	anbote	Power (W) :	11.5	11.5	anbotek Anbo
USB outpu	t normal work	V(V) :	5.16	5.16	PS1
	Allbo tek	I(A) :	2.71	2.71	Al. botek
Anbotek	Anbo	Power (W) :	9.39	9.39	ok hotek
Micro inpu	t normal work	V(V) :	5.0 n	5.0 Anbo	PS1
	tek Anbote	I(A) :	1.87	1.87	pote. And

Supplementary Information:

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

6.2.3.1	6.2.3.1 Table: Determination of Potential Ignition Sources (Arcing PIS)										
			Open circuit voltage After 3 s	Measured r.m.s	Calculated value	Arcing PIS?					
	Location		(Vp)	(Irms)	(V _p x I _{rms})	Yes / No					
Anb	k -botek	Aupor	Am	anbotek An	borek hotek	No					

Supplementary information:

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

\$	6.2.3.2	Table: Det	ermination of Potent	ial Ignition Sour	ces (Resistive F	PIS)	N/Aznbo
-	Circuit Lo	ocation (x-y)	Operating Condition (Normal / Describe Single Fault)	Measured wattage or VA During first 30 s (W / VA)	Measured wattage or VA After 30 s (W / VA)	Protective Circuit, Regulator, or PTC Operated? Yes / No (Comment)	Resistive PIS? Yes/No
53	ek Anb	Oro Vur	otek -nbotek	Anbo A	-hotek Ant	ote. And	hotek

Supplementary Information:

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

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

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

8.5.5	TABLE: High Pressure Lamp	Anbo	Yes. Viv.	potek.	Anbotek	Anh	N/A
Description	1		Values		Energy Sc	ource Cl	assification
Lamp type.	Hor Mayer Willow	otek	Anbote	Ann	k nbo	tek	Aupor
Manufactui	rer:	notek	Antotek	Anbo	rek h	botek	Anbore



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Cat no:	ok hotek Anbotek	Anbo	rek_	potek
Pressure (cold) (MPa)	k And Anbote	Anbi	MS_	A. botek
Pressure (operating) (MPa)	bote. And	otek A	MS_	Air hote
Operating time (minutes)	Anboten Anbo	abotek	Anboro	K VIII
Explosion method	Anbotek Anbo	abotek	Nr. both	Ans
Max particle length escaping enclosure (mm).:	Anbotek Anbos	A. hotek	MS_	poter P
Max particle length beyond 1 m (mm):	ek upotek Anboro	by.	MS_	Anboten
Overall result	tek abotek Anbote	- Ans	-otek	Anbotek
Supplementary information:	ibos Anbotek Anb	ore. W	in otek	Anbote

B.2.5	TABLE: Inpu	ut test	Tubo Ofek	Anbotek	Anbot	Andhotel	Anbolek P Anb
U (V)	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status
5.0	1.872	2.0	9.36	ek spotek	-Aupor	- Ans	Battery emptying
Supplemen	ntary information	Dr Anbote	Anb	Not not	ek Ank	ote. A	nb stek spotek

,	B.3	TABLE: Al	normal opera	ating condit	ion test	s And	otek	anl	potek	Aupor	N/A
1	Ambient temp	erature (°C)	Anbo F	- Notek	Phpole	P.U.	otel	,	Anbotek	Anbo	_
	Power source	for EUT: Ma	anufacturer, mo	odel/type, ou	ıtput rati	ng .:	See p	age 2	for details	P.	<u>—</u>
7	Component No.	Abnormal Condition	Supply voltage, (V)	Test time (ms)	Fuse no.	Fuse current (A)	, C	T- ouple	Temp (°C)	. (Observation
5											
C											

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

B.4 TA	ABLE: Fault co	ondition tests						Ant Panb
Ambient tempe	erature (°C)	40,3 Yaz	otek A	100.	F: b	24.7-25.3	Aupore	And
Power source	or EUT: Manu	facturer, mode	l/type, outp	ut rating	J.,:	See page 2	for deta	ils —
Component No	c. Fault Condition	Supply voltage, (V)	Test time (ms)	Fuse no.	Fuse curren t, (A)	T-couple	Temp. (°C)	Observation
Charging								
U1 pin 1-8	s-c	5V	7h					Unit shutdown immediately after short circuit. No damaged, no hazards.
Discharge								





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Output + to -	s-c	5V	10min					Unit shutdown immediately after short circuit. No damaged, no hazards.
Q1 Pin D-S	s-c	5V	7h					Unit shutdown immediately after short circuit. No damaged, no hazards.
Supplementary i - SC=short circu		anbotek	Anbot	ek	Anbore	k Anho	tek K	Anbotek Anbot

	Table: Add patteries	ditional safe	eguards for eq	uipment conta	aining seconda	ry lithium	N/A
Battery		Test	conditions		Measurements	S	Observation
No	•			U	I (A)	Temp (C)	
sbotek -	nboro	Ann	Anbotek	Aupo-	Pr.	Anbote.	Vun.
Supplementa	ry Informat	ion: N/A	k Anbotek	Anbor	K hotek	Anbotek	Anbourek
Battery identificatio		arging at T _{lowest} (°C)	Observ	ation	Charging at Thighest (°C)	Obs	servation
rek nb	tek A	10010	wotek	Anboten A	upo ek	botek An'	DOLO. VUO
Supplementa	rv Informat	ion: N/A	Aug	botek	Anbox	Note K	Antoten Ant

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Annex Q.1	TABLE: Circuit	s intended fo	r interconnec	tion with build	ing wiring (LPS	Amb Pen
Note: Measured UC	DC (V) with all load	circuits discor	nnected:	otek Anbote	K Ann	Anbotek
Output Circuit	Components	U _{oc} (V)	I _{sc}	(A)	S (V	/A)
			Meas.	Limit	Meas.	Limit
USB Output	Normal	5.11	2.65	8.*	12.3	100
USB Output	U1 Pin6-7	5.11	3.77	8	16.2	100
Supplementary Info	ormation: SC=Short	circuit, OC=C	pen circuit	Anbotek	Anbote	An- notek

T.2, T.3, T.4, T.5	TABI	₋E: Steady force te	est	botek Anbot	anbotek Anbotek	Anbotek	N/A
Part/Locati	ion	Material	Thickness (mm)	Force (N)	Test Duration (sec)	Observ	/ation
Dr.	- 4	Poter. Mup.	v cotek	- Aupor	Mr.	ooten An	00
Supplementa	ary inf	ormation:	And	hotek	Auport Ar.	notek	Anbotek

T.6, T.9	TABI	LE: Impact tests	inpoter Aup	ore bote	Anbo	Ver Vue	N/A	otek
Part/Locati	on	Material	Thickness (mm)	Vertical distance (mm)		Observatio	on	
Aupor	Dr.	-ek aboten	- Anbe	- Net	14000	Ann	hotek	P.
Supplementa	ry info	ormation:						

T.7	ΓABLE: Drop tests	otek on	otek Anbo	ak hotek	Anbote	N/A
Part/Locatio	n Material	Thickness (mm)	Drop Height (mm)	(Observation	
Anbotek P	hotek hotek	Anboten	Augo Tek	-nbotek Ant	Pore Vun	Lotek Ar
Supplementar	y information:	ek Anbotek	Anbo	A. botek	Anbote. A	no stek
T.8 Thotek 1	ΓABLE: Stress relief t	est	Anbor ok	Notek .	Anboten	N/A
Part/Locatio	1 Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Obser	vation
otek -	upotsk Hopor	VII.	Anboten An	20 - NO	otok Aupo,	to. Yun
Supplementar	y information:	Ann	abotek	Anbox K	otek or	pote, An



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wotek wotek	Anbotek Anbo. Lek	National Differences	And otek anbotek	Anbore
Clause	Requirement + Test	Anboten Anboten	Result - Remark	Verdict

ATTACHMENT TO TEST REPORT IEC 62368-1

Audio/video, information and communication technology equipment –

Part 1: Safety requirements

EUROPEAN NATIONAL DIFFERENCES

according to EN 62368-1:2014

CENELEC COMMON MODIFICATIONS					
Clause	Requirement + Test Result - Remark	Verdic			
General	Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 62368-1:2014 are prefixed "Z".	Anbote			
	Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.	k Ant			
	This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).	hbotek hbotek			
	Requirement of sound pressure for personal music player addressed by the mandate M/452 are covered in 10.6 "Safeguards against acoustic energy sources".	Anb			
	For equipment falling within the scope of directives other than those against which this standard is harmonized, additional requirements from those directives may apply.	otek			
	Anbotek Anbotek Anbote Anbotek Anbotek Anbotek	abotek			
Contents	Add the following annexes:	obotek Pre			
Contents	Anbotek Anbotek Anbotek Anbotek Anbotek	Anbore Anb			
Contents	Add the following annexes: Annex ZA (normative) Normative references to international publications with	Anbotek Anbotek Anbotek			
Contents	Add the following annexes: Annex ZA (normative) Normative references to international publications with their corresponding European publications	Anbotek Anbotek Lek Lootek			

ZA	NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH			
abotek p	THEIR CORRESPONDING EUROPEAN PUBLICATIONS	Ann		
All. Otek	Anbotek Anbo Ak Notek Anbote Anb tek nbotek	Alpor		



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Yupo rek	nbotek Anbote	National Differences	Anbox Ar Abotek	Anborer
Clause	Requirement + Test	And otek Anbotek	Result - Remark	Verdict

	b) ZB ANNEX (norma c) SPECIAL NATIONAL CO	NDITIONS	
Clause	Requirement + Test	Result - Remark	Verdic
0,0,0	Denmark, Finland, Norway and Sweden	Tresdit - Tremain	404
.1.15	And and Andrews	All otek Anbotek Al	N/A
	To the end of the subclause the following is added:	Anbotek Anbotek	Anbore
	Class I pluggable equipment type A intended for connection to other equipment or a network shall, if	ek Anbotek Anbotek	Anbox
	safety relies on connection to reliable earthing or if surge suppressors are connected between the	botek Anbotek Anbote	COK DI.
	network terminals and accessible parts, have a marking stating that the equipment shall be	Anbotek Anbote Anb	botek
	connected to an earthed mains socket-outlet.	Anboten Anbo	hotek
	The marking text in the applicable countries shall be as follows:	Anbotek Anbotek	Anbote
	be as follows.	lek abotek Anbe	h.
	In Denmark : "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til	potek Anbotek Anbotek	ek Ant
	stikproppens jord."	Anbotek Anboten Anbo	otek
	In Finland : "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan"	Anbotek Anbotek An	Anbotek
	In Norway : "Apparatet må tilkoples jordet stikkontakt"	ak Anbotek Anbotek	Anbote
	la Considera "Asamenatan ekali enekita atili isandat	tek abotek Anbot	br.
	In Sweden : "Apparaten skall anslutas till jordat uttag"	botek Anbotek Anbot	tek l
7.3	United Kingdom	Ant hotek Anbotek Ant	N/A
Anbotek	To the end of the subclause the following is added:	Anbotek Anbotek	Anbote
	The torque test is performed using a socket-outlet	k Anbotek Anbote	Ann
	complying with BS 1363, and the plug part shall be assessed to the relevant clauses of BS 1363. Also	otek Anbotek Anbote	Aur
	see Annex G.4.2 of this annex	botek Anbotek Anbot	Lek P
2.2.2	Denmark	Anbotek Anbotek Ant	N/A
	After the 2nd paragraph add the following:	Anbotek Anbote	Anbotel
	A warning (marking safeguard) for high touch current is required if the touch current exceeds	Anbotek Anbotek	Anb
	the limits of 3.5 mA a.c. or 10 mA d.c.	otek Anbortek Anbore	P.
4.11.1	Finland and Sweden	upotek Anbo Air	N/A
nd	Arbor Andrew Anbore And	Anbotek Anbor An	hotek
nnex G	To the end of the subclause the following is added:	rek aboter P	Tan.



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YUDO LEK	abotek Anbote	National Differences	Anbox All botek	Anbotes
Clause	Requirement + Test	And otek Anbotek	Result - Remark	Verdict

Ans	K Abotek Anbor An	Anboten	Anbo	-botek Anbore
	b) ZB ANN	IEX (normati	ive) Ambolic A	
	c) SPECIAL NA	TIONAL CON	NDITIONS	
Clause	Requirement + Test	potek An	Result - Remark	Verdict
pore,	For separation of the telecommunication		anbotek Anbo	"otek
	from earth the following is applicable:	Anbo		An
	hotek Anbor Andrews	aboten		tek Anbore
	If this insulation is solid, including insula		Anboten Anbo	-K hotel
	forming part of a component, it shall at le	east consist		pote, Aug
	of either	ok 500		stek subc
	And Lauren of their self-of most Miles	p.ii		Anbo
	• two layers of thin sheet material,			aboton A
	which shall pass the electric streng below, or	ın test		Ar.
	below, or	Anbore		Anhos
	one layer having a distance throu	ah sotek		ex spotek
	insulation of at least 0.4 mm, which			YU.
	the electric strength test below.	ronan pago		notek Anbore
	Ann Loke botek Ambo	, p.		ak no
	If this insulation forms part of a semicon	ductor		Anbore. And
	component (e.g. an optocoupler), there	is no		h. stek
	distance through insulation requirement			Anbe
	insulation consisting of an insulating cor			apoter
	completely filling the casing, so that clear			N. Stek
	and creepage distances do not exist, if t			ek bupo.
	component passes the electric strength			tek abotek
	accordance with the compliance clause	below and		por Au
	in addition	k upote		hotek Anbo
	passes the tests and inspection contact.	riteria of		Ann
	5.4.8 with an electric strength test			Anbore An
	multiplied by 1.6 (the electric streng			Lotek
	5.4.9 shall be performed using 1.5			Anb
	Lotek Anbore An	potek		ek "pote.
	 is subject to routine testing for ele 	ectric		y stek
	strength during manufacturing, using	ng a test		poter Anbo
	voltage of 1.5 kV.	k note		tek shot
	en Anbor A atek Anbore	Ant		Aupor Air
	It is permitted to bridge this insulation w	- AV		anbotek Ani
	capacitor complying with EN 60384-14:2	2005,		Am
	subclass Y2.	photen		Anbore
	A capacitor classified Y3 according to E	N 60384		k sotek
	14:2005, may bridge this insulation under			AND
	following conditions:	of the aboten		otek anbote
	islicating conditions.	P.I.		W of
	the insulation requirements are sales.	atisfied by		aboten Anbo
	having a capacitor classified Y3 as			atek at
	EN 60384-14, which in addition to			Anbo
	testing, is tested with an impulse te			po ek
	kV defined in 5.4.11;	Up. K		Am
'Ur	hotek Aupor Air	poter	Ano	K Whole
5.4.11.1	Ant botek Anbo	by,	Aupoter Aup	N/A
P V	Hote An tek	-000	P.'	ofe.



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Yupo rek	nbotek Anbote	National Differences	Anbox Ar Abotek	Anborer
Clause	Requirement + Test	And otek Anbotek	Result - Remark	Verdict

, hotek	h) 7P ANNEY (norma	tivol sotek Amboten	Pubo
	b) ZB ANNEX (norma c) SPECIAL NATIONAL CO	0. 160.	
Clause	Requirement + Test	Result - Remark	Verdict
And Annex G (cont'd)	the additional testing shall be performed on all the test specimens as described in EN 60384-14;	Anbotek Anbotek Anbotek	Aupotek Aupotek
Anbotek Anbotek	the impulse test of 2.5 kV is to be performed before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14.	lek Anbotek Anbotek	Anbo
Pr.	stek anboten Anbo ook notek A	bore Am atek anbote	b.
5.5.2.1	Norway After the 3rd paragraph the following is added:	Anbotek Anbotek Ant	N/A
Anbotek	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line	ek Anbotek Anbotek	Anbotel
ek nbote	voltage (230 V).	Lek Anbotek Anbote	And
5.5.6	Finland, Norway and Sweden	bote Ambotek Anbote	N/A
Anbotek A	To the end of the subclause the following is added:	Anbotek Anbotek Anb	ote, botek
Anbotek Anbotek	Resistors used as basic safeguard or bridging basic insulation in class I pluggable equipment type A shall comply with G.10.1 and the test of G.10.2.	ak Anbotek Anbotek Anbotek	Anbote ^l
5.6.1	Denmark	o tek abotek Anbote	N/A
Anbotek Anbotek Anbotek	Add to the end of the subclause Due to many existing installations where the socket-outlets can be protected with fuses with higher rating than the rating of the socket-outlets the protection for pluggable equipment type A shall be an integral part of the equipment.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	nbotek Anbotek Anbo
otek Anbo	Justification: In Denmark an existing 13 A socket outlet can be	otek Anbotek Anbotek	ok Ar
abotek A	protected by a 20 A fuse.	Anbotek Anbotek Anbo	ctek
5.6.4.2.1	Ireland and United Kingdom	Aupotek Vipotek	N/A
K Anbotek	5.6.4.2.1 After the indent for pluggable equipment type A , the following is added:	otek Anbotek Anbotek	Anbo
otek Anbo	 the protective current rating is taken to be 13 this being the largest rating of fuse used in the mains plug. 	inbotek Anbotek Anbotek Anbot	ek Ar
5.6.5.1	To the second paragraph the following is added:	Anbotok Anbotok Ar	N/A



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YUDO LEK	abotek Anbote	National Differences	Anbox All botek	Anbotes
Clause	Requirement + Test	And otek Anbotek	Result - Remark	Verdict

Ann	Anbotek Anbor All Lotek Ambote	Anb stek anbotek	Aupore
	b) ZB ANNEX (norma c) SPECIAL NATIONAL CO	C. C	
Clause	Requirement + Test	Result - Remark	Verdict
Anbotek Anbotek	The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is:	Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
	1.25 mm ² to 1.5 mm ² in cross-sectional area.	botek Anbotek Anbotek	K And
5.7.5	Denmark Andrew Andrew Andrew	Anbotek Anbotek Ant	N/A
	To the end of the subclause the following is added: The installation instruction shall be affixed to the	Anbotek Anbotek	'uporek
	equipment if the protective conductor current exceeds the limits of 3.5 mA a.c. or 10 mA d.c.	ek Anbotek Anbotek	k Anbc
5.7.6.1	Norway and Sweden	anbotek Anbotek Anbote	N/A
	To the end of the subclause the following is added:	Anbotek Anbotes Anb	nbotek
	The screen of the television distribution system is normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building. Therefore the protective	Anbotek Anbotek	Anbotek Anbo
	earthing of the building installation needs to be isolated from the screen of a cable distribution system.	Anbotek Anbotek Anbotel	stek k
	It is however accepted to provide the insulation external to the equipment by an adapter or an interconnection cable with galvanic isolator, which may be provided by a retailer, for example.	Anbotek Anbotek A	Anbotek
	The user manual shall then have the following or similar information in Norwegian and Swedish language respectively, depending on in what country the equipment is intended to be used in:	otek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	rek Ar
Anbotek	Anbote And Anbotek Anbotek Anbote	Anbotek Anbotek Ar	botek
5.7.6.1 (cont'd)	"Apparatus connected to the protective earthing of the building installation through the mains connection or through other apparatus with a connection to protective earthing – and to a television distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a television distribution system	otek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N/A
Anbotek	therefore has to be provided through a device providing electrical isolation below a certain	Anbotek Anbotek An	pote.



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Yupo rek	nbotek Anbote	National Differences	Anbox Ar Abotek	Anborer
Clause	Requirement + Test	And otek Anbotek	Result - Remark	Verdict

b) ZB ANNEX (norma			itive) poter Anbo		
	ak abotek Anbo	•	NATIONAL CO	O. Pr.	
ek bupo,	Au Clek C)	SPECIAL	NATIONAL CO	NOTE: DAY	VIL.
Clause	Requirement + Test			Result - Remark	Verdic
po ki	frequency range (galvan	nic isolator, s	see EN 60728-	Aupore Air	rek spoten
	11)"			hotek Anb	Die Will
	shotek Anbo			And	potek Aupor
	NOTE In Norway, due to re			k upote. b	'Wp
	installations, and in Swede			A. stek	Aupore. Aur
	provide electrical insulation shall withstand a dielectric			olek Anbo	W. Stek
	Hz or 60 Hz, for 1 min.	Suchgui of 1	.5 KV 1.111.5., 50	tek botek	Anbo A.
	tek abote An			Apore And	hotek
	Translation to Norwegia	n (the Swed	lish text will	otek Anbore	Ann
	also be accepted in Non			Anbe	itek Anthore
	int ok hotek	Anbor		aboten Anb.	" nek
	"Apparater som er kople	t til beskytte	elsesiord via	VII.	poter Aupo
	nettplugg og/eller via an			Anboro A	tek spot
	er tilkoplet et koaksialba			x otek	Anbore Ann
	forårsake brannfare. For			Publich Wulder	rek an
k abote	ved tilkopling av apparat			rek spoter	Anbo
	installeres en galvanisk			DOIL ALL	botek
	og kabel-TV nettet."	abole	Ambridge	otek Anbore	Arr
	hotek Anbo			Ande	tek Vupore
	Translation to Swedish:			spoten Anbe	W. Stek
	abote And			VII.	boten Anbo
	"Apparater som är koppl	lad till skydd	lsiord via iordat	Auport Ar	ok hote
	vägguttag och/eller via a			" stek	Anbore And
	samtidigt är kopplad till l			tek Anbo	K. stek ont
	medfőra risk főr brand. F			tek botek	Anbo
	vid anslutning av appara			Por All	bote
	galvanisk isolator finnas			-otek Anbore	Am
	kabel-TV nätet.".	N. FOK		Anbe	ek anbore
	ak hotek			aboten Anbe	, sek
5.7.6.2	Denmark	hotek	Anbor	A. tek	N/A
7.17.0.2	otek Anbore			Aupo. A.	tek abote
	To the end of the subcla	use the follo	owing is added:	k sotek	Aupor
	botek Anbo		otek anbol	TO. AND	hotek Anb
	The warning (marking sa	afeguard) fo	r high touch	stek anbote.	Amb
	current is required if the	touch curre	nt or the	Mo. W.	abote.
	protective current excee			hotek Anbo.	A. Kek
	botek Anbo			And ak hot	8K Auper
3.3.1 and	Ireland and United Kin	gdom	A. Lek	"upose, Vun	N/A
	Anbore Ant	botek		W. Stok	poter Albana
3.4	The following is applicat	ole:		Anbo	tek abote
	Anbo G -park	t anbot		ok notek	Vupo. VI
	To protect against exces	ssive curren	ts and short-	Ans	hotek Anb
	circuits in the primary cir			tek abote.	And
	equipment, tests accord			DO. MIL	aboter A
	B.4 shall be conducted u			botek Anbore	BI.
	circuit breaker complying			Amb K of	N Anbor
	rated 32A.	5	, . , ро в,	hoter Anbe	No.
	Haleosza				



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YUDO LEK	abotek Anbote	National Differences	Anbox All botek	Anbotes
Clause	Requirement + Test	And otek Anbotek	Result - Remark	Verdict

notek	L) 70 ANNEY (tivo) solek anbole Anb			
	b) ZB ANNEX (normative)				
tek Aupor	c) SPECIAL NATIONAL CO	10000			
Clause	Requirement + Test	Result - Remark Verdict			
100. K.	If the equipment does not pass these tests,	Anbore An. stek Wotek			
	suitable protective devices shall be included as an	abotek Anbos Ar atek			
	integral part of the direct plug-in equipment, until	An stek abotek Anbo			
	the requirements of Annexes B.3.1 and B.4 are met.	Anbor An otek Anbore			
	And tok shotek Anbous Am	ek nbotek Anbo			
G.4.2	Denmark Andrew Andrew	N/A			
	tek spoten Anbo uk sotek M	pore And tek spotek			
	To the end of the subclause the following is added:	hotek Anbort All			
	Supply cords of single phase appliances having a	Ant tek abotek Antio			
	rated current not exceeding 13 A shall be provided	Anbore An rek abotek			
	with a plug according to DS 60884-2-D1:2011.	botek Anbot An			
	Anbote Anbo	An tek abotek Anbo			
	CLASS I EQUIPMENT provided with socket-outlets	lek Wupor Will Hek Wal			
ek abote	with earth contacts or which are intended to be	tek spotek Anbox An			
	used in locations where protection against indirect	port An tek photek A			
	contact is required according to the wiring rules	hotek Anbor An			
	shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	Am Lek shotek Anbo			
	Standard Sheet Dix 2-1a of Dix 2-3a.	Anbore And tek abotek			
	If a single-phase equipment having a RATED	hotek Anbor An			
	CURRENT exceeding 13 A or if a poly-phase	Anti-			
	equipment is provided with a supply cord with a	ak Anbore And			
	plug, this plug shall be in accordance with the	tek shotek Anbor An			
	standard sheets DK 6-1a in DS 60884-2-D1 or EN	por All tek abote Al			
	60309-2.	botek Anbor Air tek			
	Mains socket outlets intended for providing power to Class II apparatus with a rated current of 2.5 A	Ant tek abotek Anb			
	shall be in accordance DS 60884-2-D1:2011	Anbor All tek aboten			
	standard sheet DKA 1-4a.	abotek Anbot Anbot atek			
	Other current rating socket outlets shall be in	All tek abotek Anbo			
	compliance with Standard Sheet DKA 1-3a or DKA	k Anbot An tek mbo			
	1-1c.	tek nboten Anbo An			
	Mains socket-outlets with earth shall be in	or All tek aboter Ar			
	compliance with DS 60884-2-D1:2011 Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-5a or DK	spotek Anbo Air Jek			
	1-7a.	Anbe abotek Anbe			
	Justification:	Anbor An tek botek			
abotek	Heavy Current Regulations, Section 6c	abotek Anbot A			
N. Stek	anbote Ant av motek Anbote	Anbor			
G.4.2	United Kingdom	N/A			
	To the and of the substance the Cilium in the Little	tek anboten Anbo			
	To the end of the subclause the following is added:	An atek anboten An			
	The plug part of direct plug-in equipment shall be	aboter Anbo K			
	assessed to BS 1363: Part 1, 12.1, 12.2, 12.3,	otek nboten Anbo			
	12.9, 12.11, 12.12, 12.13, 12.16, and 12.17, except	Anbo A. Atek Choten			
	that the test of 12.17 is performed at not less than	otek Vupo. B.			



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Yupo rek	nbotek Anbote	National Differences	Anbox Ar Abotek	Anborer
Clause	Requirement + Test	And otek Anbotek	Result - Remark	Verdict

ek Anb	b) ZB ANNEX (norma c) SPECIAL NATIONAL CO	No. 1	Ant
Clause	Requirement + Test	Result - Remark	Verdic
bo.	125 °C. Where the metal earth pin is replaced by	Anbote And	potek
	an Insulated Shutter Opening Device (ISOD), the	hotek Anbote An	*eK
Annabotek	requirements of clauses 22.2 and 23 also apply.	Anbotek Anbotek	Aupora
G.7.1	United Kingdom	ek anbotek Anbotek	N/A
	To the first paragraph the following is added:	notek Anbotek Anboten	K Vu
*eK	Equipment which is fitted with a flexible cable or	lek botek Anbot	100
	cord and is designed to be connected to a mains	Anbore Ant Lak	otek
	socket conforming to BS 1363 by means of that	hotek Anbor An	*ek
	flexible cable or cord shall be fitted with a 'standard	100	Aupor
	plug' in accordance with the Plugs and Sockets etc	K Anbore Ant	hote
	(Safety) Regulations 1994, Statutory Instrument	K notek anbore	Ville
	1994 No. 1768, unless exempted by those	And K Sotek	Anb
	regulations.	otek Anboten Anb	16
	NOTE "Standard plug" is defined in SI 1768:1994	rock K wotek Amboti	\$
	and essentially means an approved plug	aboter Anb	otek
	conforming to BS 1363 or an approved conversion	Ar otek Anboter Ani	
	plug.	Anbo	upote
Anbore.	An ak hotek Anbot Al. Jek	aboten Anbo	ote!
G.7.1	Ireland Anbotek Anbotek Anbotek	tek Anbotek Anbote	N/A
	To the first paragraph the following is added:	Notek Anbotek Anbotes	k And
	Apparatus which is fitted with a flexible cable or	tek shotek Anbo	P
	cord shall be provided with a plug in accordance	Anbore And	otek
	with Statutory Instrument 525: 1997, "13 A Plugs	hotek Anbore An	484
	and Conversion Adapters for Domestic Use	And ak wotek	upor
	Regulations: 1997. S.I. 525 provides for the	Anbote, Anb	hotel
	recognition of a standard of another Member State	A. Stek Anbote	And
	which is equivalent to the relevant Irish Standard.	tek Aupo K Kotek	Anbo
Anbo,	Ireland and United Kingdom	otek Amote And	
G.7.2	Ireland and United Kingdom	hore And hotek Anbote	N/A
	To the first paragraph the following is added:	abore And	rek.
	10 the mot paragraph the following is added.	Anbotek Anbotek Anb	Yo.
	A power supply cord with a conductor of 1.25 mm ²	And K Stek	poro
	is allowed for equipment which is rated over 10 A	abotek Anbe	"Otek
	and up to and including 13 A.	Al. otek anboten	Anbe
	stek apport Am	en Aupo W.	200



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rupo, rek	Anbotek Anbot	National Difference	es Anbour	ek Anbotes
Clause	Requirement + Tes	pre. And otek And	Result - Remark	Verdict

i. ZC ANNEX (informative)

ii. A - DEVIATIONS

Clause	Requirement + Test	Result - Remark	Verdict
10.5.2	Germany	Aupoten Aupo tek	N/A
nboten	-Anbote And	ek botek Anbo	A. otel
	The following requirement applies:	All otek anbotek	Anbo
	For the operation of any cathode ray tube intended	doleh Anbo	dna
	for the display of visual images operating at an	tek abotek Anbe	V.
	acceleration voltage exceeding 40 kV,	Arbo Ar Stek Anbo	Fer. b
	authorization is required, or application of type	abotek Anbo	otek
	approval (Bauartzulassung) and marking.	All tek aboten Ar	100
	tek Anbote And tek abotek	Anbot	upoter
	Justification:	ek abotek Anbo	· otel
	German ministerial decree against ionizing radiation (Rötgenverordnung), in force since 2002	All tek aboten	Aupo
	07-01, implementing the European Directive	bolek Anbos Ar. otek	anb
Ys Ys	96/29/EURATOM.	tek abotek Anbo	. P.
	tek Anbole And sk hotek	Anbor Air rek nbor	'er b'
	NOTE Contact address:	botek Anbo	Yek
	Physikalisch-Technische Bundesanstalt,	Arr abotek Ar	100
	Bundesallee 100, D-38116 Braunschweig,	Anbor All	apoten
	Tel.: Int+49-531-592-6320, Internet:	ok botek Anbor	by.
Di.	http://www.ptb.de	Vu.	anbos



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rupo, rek	Anbotek Anbot	National Difference	es Anbour	ek Anbotes
Clause	Requirement + Tes	pre. And otek And	Result - Remark	Verdict

i. ZC ANNEX (informative)

To otek	Italy sk hotek And stek		
	Anborer Anbore	Anbore Alimbotek	N/A
	The following requirements shall be fulfilled:	Anbotek Anbotek	Anbote
	The power consumption in Watts (W) shall be	Ant ak hotek	Anb
	indicated on TV receivers and in their instruction	otek Anbote And	14
	for use (Measurement according to EN 60555-2).	The Stek Anbot	P
	int ok hotek Anbore An tek	abotek Anbo	otek
	Note/Nota EN 60555-2 has since been replaced by	Ar. stek appoter An	, ,
	IEC 60107-1:1997.	Anbo Ar Ar	upoter
	And And Andrew	botek Anbo	A. rel
	TV receivers shall be provided with an instruction	And botek	Anbo
	for use, schematic diagrams and adjustments	Nek Anbore Ans	-10
	procedure in Italian language.	K notek Anbore	Aur
	Marking for controls and terminals shall be in	poten Ando K sott	1/8
	Italian language. Abbreviation and international	atek anbote. And	- K
	symbols are allowed provided that they are	Anbo A artek ant	ote.
	explained in the instruction for use.	boten Anbo	Nek
	explained in the inetraction for acc.	All boten	Aupo
	The ECC manufacturers are bound to issue a	Anbore And	Sporek
	conformity declaration according to the above	K hotek Anbore	DI.
	requirements in the instruction manual. The correct	And K hotek	Anbo
	statement for conformity to be written in the	otek Anbote, And	
	instruction manual, shall be:	ibo. A. Otek Anbore	P,
	in K notek Anbore An	shotek Anbo	Yel
	Questo apparecchio è fabbricato nella CEE nel	And And	
	rispetto delle disposizioni del D.M. marzo 1992 ed	Anbore All	boten
	è in particolare conforme alle prescrizioni dell'art. 1	notek Anbors A	, ak
	dello stesso D.M.	Anot	Anbore

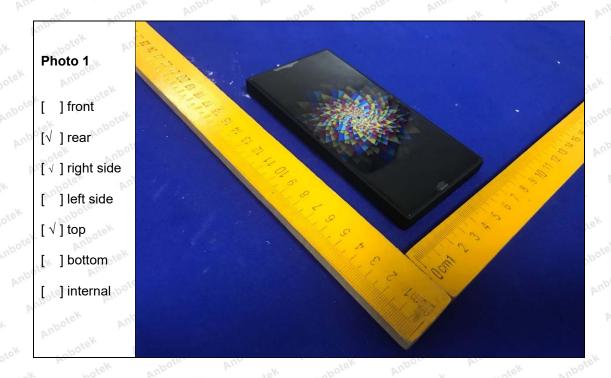


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rupo rek	nbotek Anbote K	National Differences	Anbo. Al abotek	Anbote
Clause	Requirement + Test	And otek Anbotek	Result - Remark	Verdict

ZC ANNEX (informative) A - DEVIATIONS ii. Clause Requirement + Test Verdict Result - Remark • The first importers of TV receivers manufactured F.1 N/A outside EEC are bound to submit the TV receivers for previous conformity certification to the Italian Post Ministry (PP.TT). The TV receivers shall have on the backcover the certification number in the following form: D.M. 26/03/1992 xxxxx/xxxxx/S or T or pT S for stereo T for Teletext pT for retrofitable teletext Justification: Ministerial Decree of 26 March 1992 : National rules for television receivers trade. NOTE/NOTA: Ministerial decree above contains additional, but not safety relevant requirements • The first importers of TV receivers manufactured F.1.50° N/A outside EEC are bound to submit the TV receivers for previous conformity certification to the Italian Post Ministry (PP.TT). The TV receivers shall have on the backcover the certification number in the following form: D.M. 26/03/1992 xxxxx/xxxxx/S or T or pT S for stereo T for Teletext pT for retrofitable teletext





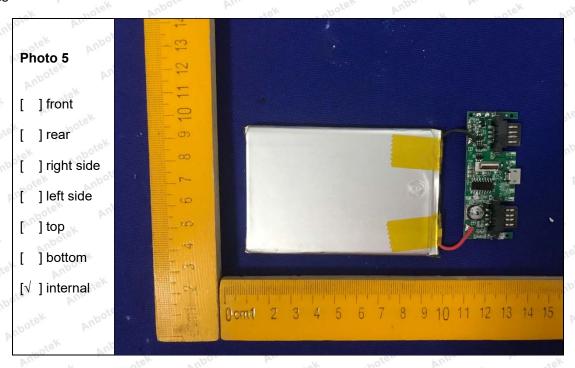


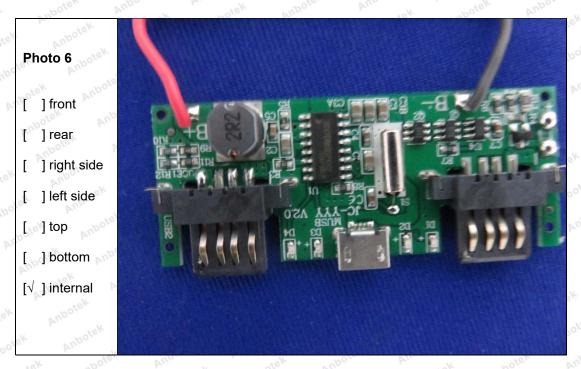




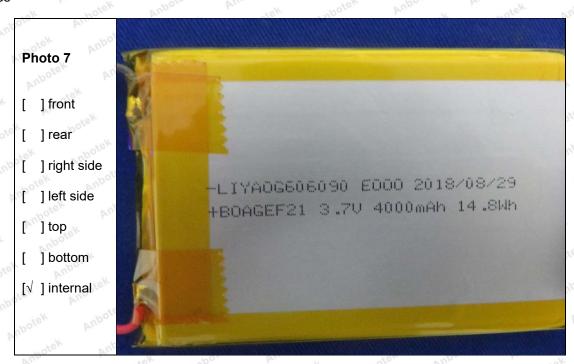












End of the report