

Report No.: SZAWW190716001-02S

Test Report

Client Name : Sariana LLC

Address 7365 Mission Gorge Road Suite G San Diego, CA 92120, U.S.A.

Product Name : Bluetooth Keypad

Date : Aug. 01, 2019

Shenzhen Anbotek Compliance Laboratory Limited

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F, Building D, Sogood Science and Technology Park, SanweiCommunity, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86)755-26066440 Fax:(86)755-26014772 Email:service@anbotek.com



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TEST REPORT IEC 62368-1

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

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Report Number:	SZAWW190716001-02S
Date of issue:	Aug. 01, 2019
Total number of pages:	66 Pages
Applicant's name:	Sariana LLC
Address:	7365 Mission Gorge Road Suite G San Diego, CA 92120, U.S.A.
Test specification:	Anboto K notek Anbotek Anbot ok notek
Standard:	IEC 62368-1:2014 (Second Edition)
Test procedure:	Type Tested
Non-standard test method:	N/A Model Andrew Andrew Andrew Andrew
Test Report Form No:	IEC62368_1B
190 print 100	and the second s

General disclaimer:

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

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

Testing procedure and testing location: **Testing Laboratory:** Shenzhen Anbotek Compliance Laboratory Limited \square **Festing location/ address** 1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102 Tol Porg Compliance (Yoli Peng Tested by (name + signature) 2 Anbotek ek Smile Tian Smile Tian Approved by (name+ signature)

Shenzhen Anbotek Compliance Laboratory Limited

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Test Item description:	Bluetooth Keypad
Trade Mark:	Satechi
Manufacturer:	B&W ELECTRONICS DEVELOPMENT LTD
	3/F, Building B, Heshengjia Industrial Park, No.154 Huating Road, Dalang Street, Longhua District, Shenzhen, China
Model/Type reference::	ST-XLABK,ST-XLABKM, ST-XLABKS, ST-XLABKG, ST- XLABKK
Ratings:	Input: 5V=== 100mA
	Capacity: DC 3.7V, 110mAh

Tests performed (name of test and test clause):	Testing location:
The submitted samples were found to comply with the requirements of:	Shenzhen Anbotek Compliance Laboratory Limited
Electrical safety	1/F, Building D, Sogood Science and Technology
— EN 62368-1:2014	Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102

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

Copy of marking plate:



District, Shenzhen, China

(The label should be attached to the back of the product.)

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

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TEST ITEM PARTICULARS:	
Classification of use by	Ordinary person
	Instructed person
	Skilled person
ootek Anbor An otek Anboren Ar	Children likely to be present
Supply Connection:	AC Mains DC Mains
	External Circuit - not Mains connected
And tak shotek Anbore Ant stek	- 🛛 ES1 🗌 ES2 🗌 ES3
Supply % Tolerance:	□ +10%/-10%
	+20%/-15%
	+%/%
Jon A. notek Anbote. And tek	None
Supply Connection – Type:	pluggable equipment type A -
	non-detachable supply cord
	appliance coupler
	direct plug-in
	mating connector
	pluggable equipment type B -
	non-detachable supply cord
Anborek Anbotek Anboten Anbe	permanent connection mating connector other:
Considered current rating of protective device as part	A, A, Kan Anbo tak abotek Anbote
of building or equipment installation	Installation location: 🗌 building; 🛛 equipment
Equipment mobility	movable hand-held transportable
	stationary for building-in direct plug- in rack-mounting wall-mounted
nor have all the second	pole And Alexandre Alexandre Al
Over voltage category (OVC)	
Anboten Anbotek Anbote	□ OVC IV
Class of equipment	
Access location	□ restricted access location
Pollution degree (PD)	□ PD 1
Manufacturer's specified maxium operating ambient :	40_°C
IP protection class	
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)	Approx. 0.126 kg

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POSSIBLE TEST CASE VERDICTS:	ek nbotek Anbou k notek Anbotek
- 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:	Anbole Anto otek Anbolek Anbo
Date of receipt of test item	: Jul. 16, 2019
Date (s) of performance of tests	: Jul. 16, 2019 to Jul. 24, 2019

GENERAL REMARKS:

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

Throughout this report a \square comma / oxtimes point is used as the decimal separator.

When differences exist; they shall be identified in the General product information section.

0	Name and address of factory (ies):	B&W ELECTRONICS DEVELOPMENT LTD
2		3/F, Building B, Heshengjia Industrial Park, No.154 Huating Road, Dalang Street, Longhua District,
	Anbole Ant tek nbolek Anbo	Shenzhen, China

GENERAL PRODUCT INFORMATION:

Product Description :

The apparatus covered in this report was Bluetooth Keypad, Class III apparatus.

The max. operating temperature was 40 $^\circ\!\mathrm{C}$ and the max. altitude was 2000m.

The external power supply of the EUT shall be approved according to the standard IEC 62368-1 with national approval required by relevant market. The output of the power supply shall be rated DC 5V 1.0A and complies with cl. Q.1 L. P. S.

Model Differences :

All samples are the same except the model name, colour of enclosure.

Unless otherwise specified, all test items were conducted on representative model "ST-XLABK".

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

N/A

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Note 1: Identify the following six (6) energy source forms Note 2: The identified classification e.g., ES2, TS1, shou on the body or its ability to ignite a combustible material. worse case classification e.g. PS3, ES3.	Id be with respect to its ability to cause pain or injury
Electrically-caused injury (Clause 5): Note: Identify type of source, list sub-assembly or circuit classification)	designation and corresponding energy source
Source of electrical energy	Corresponding classification (ES)
V dc input	ES1 And
he enclosure	ES1 Minute Annual Annual Annual
Electrically-caused fire (Clause 6): Note: List sub-assembly or circuit designation and corres	sponding energy source classification)
Source of power or PIS	Corresponding classification (PS)
he circuit	PS1 Jek potek Andrea Andrea
Note: Specify hazardous chemicals, whether produces o part of the component evaluation.)	zone or other chemical construction not addressed as
	Composed on all set on to all
I∕A Mechanically-caused injury (Clause 8)	Corresponding chemical N/A
J/A /lechanically-caused injury (Clause 8) Note: List moving part(s), fan, special installations, etc. & Example: Wall mount unit	N/A corresponding MS classification based on Table 35.) MS2
N/A Mechanically-caused injury (Clause 8) Note: List moving part(s), fan, special installations, etc. & Example: Wall mount unit Source of kinetic/mechanical energy	N/A corresponding MS classification based on Table 35.) MS2 Corresponding classification (MS)
I/A Mechanically-caused injury (Clause 8) Note: List moving part(s), fan, special installations, etc. 8 Example: Wall mount unit Source of kinetic/mechanical energy Equipment mass Thermal burn injury (Clause 9) Note: Identify the surface or support, and corresponding e	N/A a corresponding MS classification based on Table 35.) MS2 Corresponding classification (MS) MS1
I/A Iechanically-caused injury (Clause 8) Note: List moving part(s), fan, special installations, etc. 8 Example: Wall mount unit Fource of kinetic/mechanical energy Equipment mass Thermal burn injury (Clause 9) Note: Identify the surface or support, and corresponding e pocation, operating temperature and contact time in Table 3	N/A a corresponding MS classification based on Table 35.) MS2 Corresponding classification (MS) MS1
I/A Mechanically-caused injury (Clause 8) Note: List moving part(s), fan, special installations, etc. 8 Example: Wall mount unit Source of kinetic/mechanical energy Equipment mass Thermal burn injury (Clause 9) Note: Identify the surface or support, and corresponding e pocation, operating temperature and contact time in Table 3 Source of thermal energy	N/A a corresponding MS classification based on Table 35.) MS2 Corresponding classification (MS) MS1 nergy source classification based on type of part, 38.)
I/A Iechanically-caused injury (Clause 8) Note: List moving part(s), fan, special installations, etc. 8 Example: Wall mount unit Fource of kinetic/mechanical energy Equipment mass Thermal burn injury (Clause 9) Note: Identify the surface or support, and corresponding e focation, operating temperature and contact time in Table 3 Fource of thermal energy I/A Radiation (Clause 10)	N/A a corresponding MS classification based on Table 35.) MS2 Corresponding classification (MS) MS1 nergy source classification based on type of part, 38.) Corresponding classification (TS) N/A
//A lechanically-caused injury (Clause 8) Note: List moving part(s), fan, special installations, etc. 8 xample: Wall mount unit ource of kinetic/mechanical energy quipment mass hermal burn injury (Clause 9) Note: Identify the surface or support, and corresponding election, operating temperature and contact time in Table 3 ource of thermal energy //A adiation (Clause 10) Note: List the types of radiation present in the product and	N/A a corresponding MS classification based on Table 35.) MS2 Corresponding classification (MS) MS1 nergy source classification based on type of part, 38.) Corresponding classification (TS) N/A
//A lechanically-caused injury (Clause 8) Note: List moving part(s), fan, special installations, etc. 8 xample: Wall mount unit ource of kinetic/mechanical energy quipment mass hermal burn injury (Clause 9) Note: Identify the surface or support, and corresponding election, operating temperature and contact time in Table 3 ource of thermal energy //A adiation (Clause 10) Note: List the types of radiation present in the product and sype of radiation	N/A Corresponding MS classification based on Table 35.) MS2 Corresponding classification (MS) MS1 nergy source classification based on type of part, 38.) Corresponding classification (TS) N/A It he corresponding energy source classification.)
I/A Iechanically-caused injury (Clause 8) Note: List moving part(s), fan, special installations, etc. 8 xample: Wall mount unit ource of kinetic/mechanical energy quipment mass hermal burn injury (Clause 9) Note: Identify the surface or support, and corresponding energy cource of thermal energy //A adiation (Clause 10) Note: List the types of radiation present in the product and type of radiation	N/A Corresponding MS classification based on Table 35.) MS2 Corresponding classification (MS) MS1 nergy source classification based on type of part, 38.) Corresponding classification (TS) N/A the corresponding energy source classification.) Corresponding classification (RS)
I/A Iechanically-caused injury (Clause 8) Note: List moving part(s), fan, special installations, etc. 8 Example: Wall mount unit Cource of kinetic/mechanical energy Equipment mass Thermal burn injury (Clause 9) Note: Identify the surface or support, and corresponding e cocation, operating temperature and contact time in Table 3 Cource of thermal energy I/A Cadiation (Clause 10) Note: List the types of radiation present in the product and Type of radiation	N/A a corresponding MS classification based on Table 35.) MS2 Corresponding classification (MS) MS1 nergy source classification based on type of part, 38.) Corresponding classification (TS) N/A Ithe corresponding energy source classification.) Corresponding classification (RS) N/A
Source of hazardous substances V/A Mechanically-caused injury (Clause 8) Note: List moving part(s), fan, special installations, etc. 8 Example: Wall mount unit Source of kinetic/mechanical energy Equipment mass Thermal burn injury (Clause 9) Note: Identify the surface or support, and corresponding e cocation, operating temperature and contact time in Table 3 Source of thermal energy V/A Radiation (Clause 10) Note: List the types of radiation present in the product and Type of radiation V/A ENERGY SOUR ndicate which energy sources are included in the energy s	N/A A corresponding MS classification based on Table 35.) MS2 Corresponding classification (MS) MS1 nergy source classification based on type of part, 38.) Corresponding classification (TS) N/A Ithe corresponding energy source classification.) Corresponding classification (RS) N/A Corresponding classification (RS) N/A

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Clause	Possible Hazard				
5.1	Electrically-caused injury				
Body Part	Energy Source		Safeguards		
(e.g. Ordinary)	(ES3: Primary Filter circuit)	Basic	Supplementary	Reinforced (Enclosure	
Ordinary person	ES1:The EUT	Vpeak<60V, cl.>1.2mm, cr>1.2	Anbotek Anbotek	Anbots Anbotsk	
6.1	Electrically-caused fire				
Material part	Energy Source		Safeguards		
(e.g. mouse enclosure)	(PS2: 100 Watt circuit)	Basic	Supplementary	Reinforced	
Plastic enclosure	PS: The EUT	Input: 5Vdc, 0.1A, and the battery complied with PS1	tek Anbotek hbotek Anbotek	Anbot Anbotek Anbot Anbot	
7.1	Injury caused by hazardous	ous substances			
Body Part	Energy Source		Safeguards		
(e.g., skilled)	(hazardous material)	Basic	Supplementary	Reinforced	
N/A Antonia Antonia	Anbotek Anbo stek	abotek - Anbo	ter Ann notek	Anbote	
8.1	Mechanically-caused injury				
Body Part	Energy Source		Safeguards		
(e.g. Ordinary)	(MS3:High Pressure Lamp)	Basic	Supplementary	Reinforceo (Enclosure	
Ordinary person	MS1 : Mass<7Kg	otek Auporo	An- hotek	Anbotek	
9.1	Thermal Burn				
Body Part	Energy Source		Safeguards		
(e.g., Ordinary)	(TS2)	Basic	Supplementary	Reinforced	
Ordinary	TS1 Anboten Anbo	h nbotek	Anbote: Ar	noter	
10.1	Radiation				
Body Part	Energy Source		Safeguards		
(e.g., Ordinary)	(Output from audio port)	Basic	Supplementary	Reinforced	
N/A. Motor Andrew	All otek - Anbotek	Anbo Ak	abotek - Anbot	And	

(2) "N" - Normal Condition; "A" - Abnormal Condition; "S" Single Fault

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Clause	Requirement + Test	Result - Remark	Verdict
Pup	work woter Anbor An tek	nbotek Anbo k hotek	Anbound
1	GENERAL REQUIREMENTS	15.4 5.6 V	Pubol
4.1.1	Acceptance of materials, components and subassemblies	Anbotek Anbotek Anbo	e ^x P P
4.1.2	Use of components	Anborn All botek All	p ^{oter} P
4.1.3	Equipment design and construction	lek Anbore Ane otek	anbotP
4.1.15	Markings and instructions:	(See Annex F)	Brek
4.4.4	Safeguard robustness	notek Anboten Anbo	P
4.4.4.2	Steady force tests:	(See Annex T.4, T.5)	P
4.4.4.3	Drop tests:	(See Annex T.7)	P
4.4.4.4	Impact tests:	And tek abotek An	N/A
4.4.4.5	Internal accessible safeguard enclosure and barrier tests	ek Anbor Anbotek	N/A
4.4.4.6	Glass Impact tests	otek Anboten Anbo	N/A
4.4.4.74	Thermoplastic material tests:	(See Annex T.8)	Р
4.4.4.8	Air comprising a safeguard:	Antio lek botek Anbot	N/A
4.4.4.9	Accessibility and safeguard effectiveness	All other safeguards remain effective and no class 3 energy sources become accessible.	oten P Inbotek
4.5 AND	Explosion	abotek Anboter Anb	N/A
4.6	Fixing of conductors	abotek Anboten Ano	e P _{so} t
4.6.1	Fix conductors not to defeat a safeguard	An hotek Anbotek Anbo	N/A
4.6.2	10 N force test applied to:	10 N force test applied to internal wires	nbotelP
4.7 Anno	Equipment for direct insertion into mains socket - outlets	otek Anbotek Anbotek	N/A
4.7.2	Mains plug part complies with the relevant standard	Anbotek Anbotek Anbote	N/A
4.7.3	Torque (Nm):	Anbor All notek Anb	N/A 🛛
4.8	Products containing coin/button cell batteries	K Anbore Ann otek	N/A
4.8.2	Instructional safeguard	otek Anboten Anbo	N/A
4.8.3 March 4.8.3	Battery Compartment Construction	hotek Anboten Anbo	N/A
tek Ant	Means to reduce the possibility of children removing the battery:	Anbotek Anbotek Anbote	
4.8.4	Battery Compartment Mechanical Tests:	(See Table 4.8.4)	🔊 N/A 🛌
4.8.5	Battery Accessibility	Anboten Anboursek	N/A
1.9 Antolet	Likelihood of fire or shock due to entry of conductive object	(See Annex P)	N/A

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 Anbountek	Anonbotek	IEC 62368	-1 tek	Anbotek	Anboth	Anopotek	-
And	Requiremen	t + Test	Americk	Result -	Remark	Verdict	

5	ELECTRICALLY-CAUSED INJURY		ek P Ant
5.2.1	Electrical energy source classifications	(See appended table 5.2)	botek P
5.2.2	ES1, ES2 and ES3 limits	lek Anbotek Anbour A	P
5.2.2.2 mo ¹⁰	Steady-state voltage and current:	See appended table 5.2)	Pri Brek
5.2.2.3	Capacitance limits	(See appended table 5.2)	Pote
5.2.2.4	Single pulse limits	(See appended table 5.2)	N/A
5.2.2.5	Limits for repetitive pulses:	(See appended table 5.2)	N/A
5.2.2.6	Ringing signals	(See Annex H)	N/A
5.2.2.7	Audio signals:	(See Clause E.1)	N/A
5.3 Anbola	Protection against electrical energy sources	botek Anbote Ano	N/A
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	Anbotek Anbotek Anbotek	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Anbotek Anbotek Anbot	N/A
5.3.2.2	Contact requirements	ak abotek Anboto An	N/A
abotek	a) Test with test probe from Annex V:	tek botek Anbote	N/A
K NO	b) Electric strength test potential (V)	oo Anboten Anboten	N/A
tok by	c) Air gap (mm):	Anbour Ann potek Anbotek	N/A
5.3.2.4	Terminals for connecting stripped wire	Anbore K And sotek Anbore	N/A
5.4	Insulation materials and requirements	Anboten Ano dek Ant	p ^{ke™} N/A ⊧
5.4.1.2	Properties of insulating material	anboten Anbo	N/A
5.4.1.3	Humidity conditioning:	(See sub-clause 5.4.8)	N/A
5.4.1.4	Maximum operating temperature for insulating materials	(See appended table 5.4.1.4)	N/A
5.4.1.5	Pollution degree:	Anbole And stek anbote	
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	Anbotek Anbotek Anb	N/A
5.4.1.5.3	Thermal cycling	And hotek Anbolek	N/A
5.4.1.6	Insulation in transformers with varying dimensions	ofter Anto otek Anbotek	N/A
5.4.1.7	Insulation in circuits generating starting pulses	nboter Anbo stek nbotek	N/A
5.4.1.8	Determination of working voltage	Anboten Anbor tek abote	N/A ^{loo}
5.4.1.9	Insulating surfaces	Anbotek Anbors And	• N/A 📈
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	Anbotek Anbotek An	N/A
5.4.1.10.2	Vicat softening temperature:	(See appended table 5.4.1.10.2)	N/A

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Clause

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Clause	Requirement + Test	Result - Remark	Verdict
5.4.1.10.3	Ball pressure:	(See appended table 5.4.1.10.2)	N/A
noter	ADD AND AND AND AND AND AND AND AND AND	(See appended table 5.4.1.10.3)	X
5.4.2	Clearances		N/A
5.4.2.2	Determining clearance using peak working voltage	(See appended table 5.4.2.2)	N/A
5.4.2.3	Determining clearance using required withstand voltage:	(See appended table 5.4.2.3)	N/A
ek nb	a) a.c. mains transient voltage	tak spotak Anbote	
Vek M.	b) d.c. mains transient voltage:	Anbor An potek Anboten	—
bo. Pak	c) external circuit transient voltage:	Anbor An hotek Anbor	
Anbottek	d) transient voltage determined by measurement	Anbotak Anbotak An	
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	(See appended table 5.4.2.4)	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	Anbotek Anbotek Anbotek	N/A
5.4.3	Creepage distances	(See appended table 5.4.3)	N/A
5.4.3.1	General	Anboy est botek Ant	N/A
5.4.3.3	Material Group	an Anboursek hotek	_
5.4.4	Solid insulation	potek Anbolt An potek	N/A
5.4.4.2	Minimum distance through insulation:	(See appended table 5.4.4.2)	N/A
5.4.4.3	Insulation compound forming solid insulation	shotek Anbotan Ation	N/A
5.4.4.4	Solid insulation in semiconductor devices	hotek Anbole Anb	N/A
5.4.4.5	Cemented joints	k hotek anbotes Anb	N/A
5.4.4.6	Thin sheet material	And stek Anboten A	N/A
5.4.4.6.1	General requirements	oton Anno tek photek	N/A
5.4.4.6.2	Separable thin sheet material	inboles And tek pootek	N/A
oren Ar	Number of layers (pcs):	Anbote Anto ek sote	N/A
5.4.4.6.3	Non-separable thin sheet material	Anboten Anbor par	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	(See appended Table 5.4.9)	N/A
5.4.4.6.5	Mandrel test	otek Anbor Ar abotek	N/A
5.4.4.7	Solid insulation in wound components	nbotek Anbor All Abotek	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz:	(See appended Table 5.4.4.9)	N/A
5.4.5	Antenna terminal insulation	anbotek Anbote And	N/A
5.4.5.1	General	anbotek Anbote Anto	N/A
5.4.5.2	Voltage surge test	rek abotek Anboten A	N/A
pu	Insulation resistance (MΩ):	An otek subolek	

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Clause	Requirement + Test	Result - Remark	Verdict
5.4.6	Insulation of internal wire as part of supplementary safeguard:	(See appended table 5.4.4.2)	N/A
5.4.7	Tests for semiconductor components and for cemented joints	Anbotek Anbotek An	N/A
5.4.8	Humidity conditioning	lek Anbor An abolek	N/A
Aupon	Relative humidity (%)	botek Anbour An botek	
Pup.	Temperature (°C):	anbotek Anbott An hotek	
polen P	Duration (h):	anbotek Anbote And	
5.4.9	Electric strength test	(See appended table 5.4.9)	N/A
5.4.9.1	Test procedure for a solid insulation type test	ek botek Anboten An	N/A
5.4.9.2	Test procedure for routine tests	ok botek Anbotek	N/A
5.4.10	Protection against transient voltages between external circuit	optek Anbotek Anbotek	N/A
5.4.10.1	Parts and circuits separated from external circuits	(See appended table 5.4.9)	N/A
5.4.10.2	Test methods	And Anboten Anbo	N/A
5.4.10.2.1	General	K botek Anbotek An	N/A
5.4.10.2.2	Impulse test:	(See appended table 5.4.9)	N/A
5.4.10.2.3	Steady-state test	(See appended table 5.4.9)	N/A
5.4.11	Insulation between external circuits and earthed circuitry	(See appended table 5.4.9)	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	Anbotek Anbotek Anb	N/A
5.4.11.2	Requirements	K Anborn An hotek	N/A
Aupor	Rated operating voltage Uop (V):	otek Anbore Anto votek	
k Aupo	Nominal voltage U _{peak} (V):	abotek Anbote And and	
otek An	Max increase due to variation U _{sp}	botek Anboten Anos	
botek	Max increase due to ageing ΔU_{sa} :	hotek Anboren Anbo	
abotek	$U_{op} = U_{peak} + \Delta U_{sp} + \Delta U_{sa} \dots$	k hotek Anboles Anb	
5.5 botek	Components as safeguards	And hotek Anbotek A	nu-
5.5.1	General	oter Anototek Anbotek	N/A
5.5.2	Capacitors and RC units	nboton Anno otek nbotek	N/A
5.5.2.1	General requirement	Anboren Anbor tek aboret	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector:	(See appended table 5.5.2.2)	N/A
5.5.3	Transformers	(See Annex G.5.3)	N/A
5.5.4	Optocouplers	(See sub-clause 5.4 or Annex G.12)	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
ek ont	otek Anbo Ak wotek Anbole P	tek abotek Anbot	10.
5.5.5	Relays	(See Annex G.2)	N/A
5.5.6	Resistors	(See Annex G.10)	N/A
5.5.7	SPD's	(See Annex G.8)	N/A
5.5.7.1	Use of an SPD connected to reliable earthing	bek Anbote And atek	N/A
5.5.7.2	Use of an SPD between mains and protective earth	potek Anbotek Anbotek	N/A
5.5.8	Insulation between the mains and external circuit consisting of a coaxial cable	(See Annex G.10.3)	N/A
5.6	Protective conductor	abotek Anbote And	N/A
5.6.2	Requirement for protective conductors	An hotek Anbote An	N/A
5.6.2.1	General requirements	An hotek Anbotek	N/A
5.6.2.2	Colour of insulation	poter Ann otek Anbotek	N/A
5.6.3	Requirement for protective earthing conductors	Anboten And stek anbotek	N/A
poter P	Protective earthing conductor size (mm ²)	Anboten Anto tek nbote	
5.6.4	Requirement for protective bonding conductors	Anboten Anbo tak	o ^{vo™} N/A
5.6.4.1	Protective bonding conductors	ek Anboten Anbour	N/A
Anboter	Protective bonding conductor size (mm ²):	stek subotek Andor	_
K NODC	Protective current rating (A):	tek nbotek Anbou	
5.6.4.3	Current limiting and overcurrent protective devices	Anbotek Anbotek Anbote	N/A
5.6.5	Terminals for protective conductors	Anboten Anbo	N/A
5.6.5.1	Requirement	K Anbotek Anbors An	N/A
Anbotek	Conductor size (mm ²), nominal thread diameter (mm).	otek Anbotek Anbotek	N/A
5.6.5.2	Corrosion	Inpoles And tek polek	N/A
5.6.6	Resistance of the protective system	Anboten Anbos esk bote	N/A
5.6.6.1	Requirements	Anboten Anboli ok	N/A
5.6.6.2	Test Method Resistance (Ω):	(See appended table 5.6.6.2)	N/A
5.6.7	Reliable earthing	tek obotek Anbote P	N/A
5.7	Prospective touch voltage, touch current and prote	ctive conductor current	N/A
5.7.2	Measuring devices and networks	Inborek Au botek Anbotek	N/A
5.7.2.1	Measurement of touch current:	(See appended table 5.7.4)	N/A
5.7.2.2	Measurement of prospective touch voltage	Anbote Any otek Anbo	N/A N
5.7.3	Equipment set-up, supply connections and earth connections	Anboton Anbotek A	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
tek pab	oten And pk poten Anbour P	tek nbote Anb	otek
	System of interconnected equipment (separate connections/single connection)	Anbotek Anbotek Anbote	—
Anbotek	Multiple connections to mains (one connection at a time/simultaneous connections)	Ambotek Ambotek Am	
5.7.4	Earthed conductive accessible parts	(See appended Table 5.7.4)	N/A
5.7.5	Protective conductor current	poten Anbou ok hotek	N/A
ek Aupe	Supply Voltage (V)	Anbotek Anbott Att botek	_
poten A	Measured current (mA)	anbotek Anboth An	
Anbotek	Instructional Safeguard	(See F.4 and F.5)	N/A
5.7.6	Prospective touch voltage and touch current due to external circuits	ek Anbotek Anbote An	N/A
5.7.6.1	Touch current from coaxial cables	potek Anbor At botek	N/A
5.7.6.2	Prospective touch voltage and touch current from external circuits	Ambotek Anbotek Anbotek	N/A
5.7.7	Summation of touch currents from external circuits	Anborek Anborek Anbor	N/A
Anboten	a) Equipment with earthed external circuits Measured current (mA)	sk Anbotek Anbotek	N/A
K Anbot	b) Equipment whose external circuits are not referenced to earth. Measured current (mA):	potek Anbotek Anbotek	N/A

6	ELECTRICALLY- CAUSED FIRE		P
6.2	Classification of power sources (PS) and potential ig	gnition sources (PIS)	Р
6.2.2	Power source circuit classifications	And stek anbotek	nbor P
6.2.2.1	General	oten Anboutek	A nb P
6.2.2.2	Power measurement for worst-case load fault :	(See appended table 6.2.2)	A P oto
6.2.2.3	Power measurement for worst-case power source fault:	(See appended table 6.2.2)	Punbr
6.2.2.4	PS1:	(See appended table 6.2.2)	Р
6.2.2.5	PS2	And tek nbotek A	N/A
6.2.2.6	PS3:	oten Anbo tek potek	N/A
6.2.3	Classification of potential ignition sources	nbotek Anbour Ak botek	ArPoto
6.2.3.1	Arcing PIS:	Anbotek Anbour And notel	N/A
6.2.3.2	Resistive PIS:	anbotek Anbote Ant	Cek P
6.3	Safeguards against fire under normal operating and	abnormal operating conditions	ote ^K P
6.3.1 (a)	No ignition and attainable temperature value less than 90 % defined by ISO 871 or less than 300 °C for unknown materials	(See appended table 5.4.1.5, 6.3.2, 9.0, B.2.6)	Anbotek otek

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Anbor	IEC 62368-1	otek Anboto Ant	abotek
Clause	Requirement + Test	Result - Remark	Verdict
6.3.1 (b)	Combustible materials outside fire enclosure	V-0 enclosure and PCB used	P
6.4	Safeguards against fire under single fault conditions	Anboten Anbo h.	P Pr
6.4.1	Safeguard Method	Control of fire spread	p ^{oten} P
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	lek Anbolek Anbolek	N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	V-0 enclosure and PCB used	Pot
6.4.3.1	General	anbotek Anboto Ann	N/A
6.4.3.2	Supplementary Safeguards	-botek Anboten Anbo	N/A
Anbotek	Special conditions if conductors on printed boards are opened or peeled	ek Anbotek Anbotek An	N/A
6.4.3.3	Single Fault Conditions :	(See appended table 6.4.3)	N/A
anbr	Special conditions for temperature limited by fuse	nbotek Anbots Ans sotek	N/A
6.4.4	Control of fire spread in PS1 circuits	nbotek Anbote And	P P
6.4.5	Control of fire spread in PS2 circuits	Autotek Anboten Anbo	N/A
6.4.5.2	Supplementary safeguards:	(See appended tables 4.1.2 and Annex G)	unbote ^P
6.4.6	Control of fire spread in PS3 circuit	otek Anboten Anu otek	AND Pek
6.4.7	Separation of combustible materials from a PIS	-botek Anbote Ano	N/A
6.4.7.1	General	(See tables 6.2.3.1 and 6.2.3.2)	N/A
6.4.7.2	Separation by distance	Ann hotek Anboten Anbo	N/A
6.4.7.3	Separation by a fire barrier	And otek Anbotek Anb	N/A
6.4.8	Fire enclosures and fire barriers	And tek nbotek	n ^{bot} P
6.4.8.1	Fire enclosure and fire barrier material properties	V-0	AnbP
6.4.8.2.1	Requirements for a fire barrier	inbotek Anbor tek abotek	N/A
6.4.8.2.2	Requirements for a fire enclosure	Anbotek Anbot Att hote	PAND
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	Anbotek Anbot An	o ^{tek} P P
6.4.8.3.1	Fire enclosure and fire barrier openings	Anbo tek nbotek P	n ^{bote} P
6.4.8.3.2	Fire barrier dimensions	otek Anbor pr. potek	N/A
6.4.8.3.3	Top Openings in Fire Enclosure: dimensions (mm):	nbotek Anbotek Anbotek	N/A
otek	Needle Flame test	Anbotek 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 Anbr	N/A
Anboten	Flammability tests for the bottom of a fire enclosure	otek Anbotek Anbot A	N/A

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	IEC 62368-1					
Clause	Requirement + Test	hotek	Result - R	emark	Verdict	5
tek nb	Anno Anno Annor A	LeV.	t spote	Anbo	14	lek
6.4.8.3.5	Integrity of the fire enclosure, condition met: a), b) or c):	Anbo			N/A	100
6.4.8.4	Separation of PIS from fire enclosure and fire barrier distance (mm) or flammability rating	V-0	nbotek A	hbort An	Anbotek P	A
6.5	Internal and external wiring	ter	Anbo	-botek	Anbore	
6.5.1	Requirements	lborek	Anbou	hunnotek	AntPler	
6.5.2	Cross-sectional area (mm ²)	Anbotek	Aupor	ex pri-	ek	
6.5.3	Requirements for interconnection to building wiring	Anbo	tek Anbo	botek An	N/A	pol
6.6	Safeguards against fire due to connection to additional equipment	ek Ar	Anbotek	Anbotek	N/A	20
Anboten	External port limited to PS2 or complies with Clause Q.1	potek	Anbotek	Anboundek	N/A	V.

7	INJURY CAUSED BY HAZARDOUS SUBSTANC	CES	* PAnbor
7.2	Reduction of exposure to hazardous substances	Anbo, An hotek Ant	N/A
7.3	Ozone exposure	an Anbola K An botek	N/A
7.4 Anbou	Use of personal safeguards (PPE)	potek Anbote Anu otek	N/A
ek Aup	Personal safeguards and instructions	botek Anbote Ant	
7.5	Use of instructional safeguards and instructions	hotek Anboten Anbo	N/A
abotek	Instructional safeguard (ISO 7010)	Ann hotek Anbotek Anbo	_
7.6	Batteries	(See Annex M)	Р

8	MECHANICALLY-CAUSED INJURY	LY-CAUSED INJURY	
8.1	General	Enclosure is smooth and no mechanical energy sources	A P of anbot
8.2	Mechanical energy source classifications	MS1 MS1	tek P n
8.3	Safeguards against mechanical energy sources	ak botek Anboten Anb	N/A
8.4 Andore	Safeguards against parts with sharp edges and corners	otek Anbotek Anbotek A	N/A
8.4.1	Safeguards	nbotek Anbois Ann sotek	N/A
8.5	Safeguards against moving parts	abotek Anbote Anti atek	N/A
8.5.1	MS2 or MS3 part required to be accessible for the function of the equipment	Anbotek Anbotek Anbo	N/A pot
8.5.2	Instructional Safeguard :	Anbour An hotek Al	
8.5.4	Special categories of equipment comprising moving parts	otek Anbola Anbotek Anbotek	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
3.5.4.1		anbotek Anbote Ano	NIZA
NOTER .	Large data storage equipment	An Anboten Anbo	N/A
8.5.4.2	Equipment having electromechanical device for destruction of media	Annotek Anbotek Anbo	N/A
3.5.4.2.1	Safeguards and Safety Interlocks	(See Annex F.4 and Annex K)	N/A
3.5.4.2.2	Instructional safeguards against moving parts	stek spotek Anbort	N/A
ak anb	Instructional Safeguard	bo hek sobotek Anbote	
3.5.4.2.3	Disconnection from the supply	Anbo tak abotek Anbote	N/A
3.5.4.2.4	Probe type and force (N)	Anbour An hotek Anbou	N/A
3.5.5	High Pressure Lamps	Anboth Ant sotek Ant	N/A
3.5.5.1	Energy Source Classification	ek Anboles Anno otek	N/A
3.5.5.2	High Pressure Lamp Explosion Test	(See appended table 8.5.5.2)	N/A
3.6 Anto	Stability	abotek Anboten Anbo	N/A
3.6.1	Product classification	abotek Anbotek Anbo	N/A
abotek	Instructional Safeguard	hotek Anbotek Anbo	
3.6.2	Static stability	K notek anboten Ant	N/A
3.6.2.2	Static stability test	K wotek Anbotek	N/A
k we	Applied Force:	poter And	
3.6.2.3	Downward Force Test	Ambole Ambolek Ambolek	N/A
3.6.3	Relocation stability test	Anboren Anborentek anbore	N/A
nboto.	Unit configuration during 10° tilt	Anboter Anbo	
3.6.4	Glass slide test	K Anbolen Anto tek	N/A
6.5	Horizontal force test (Applied Force):	otek Anbotek Anbo	N/A
Anbo	Position of feet or movable parts	wotek Anboten Anbo	
3.7	Equipment mounted to wall or ceiling	snir sotek Anbotek Anboas	N/A
3.7.1	Mounting Means (Length of screws (mm) and mounting surface)	Anbotek Anbotek Anbote	N/A
3.7.2	Direction and applied force	k Anbotek Anbor At	N/A
.8 Anbotes	Handles strength	otek Anboten Anbo	N/A
.8.1 Anbo	Classification	hotek Anbotek Anbo	N/A
.8.2	Applied Force:	no votek Anbotek Anbote	N/A
3.9	Wheels or casters attachment requirements	Anto otek Anbotek Anbots	N/A
.9.1	Classification	Anbu stek anbotek Anbo	N/A
3.9.2	Applied force:	Anbo kek abotek Al	
3.10	Carts, stands and similar carriers	stek Anbor han stek	N/A

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Anboten	IEC 62368-1	stek Anbotek Anbo tek	abotek
Clause	Requirement + Test	Result - Remark	Verdict
tek and	oten Anbou A	tek aboter Anbo	otel
8.10.1	General	Anborek Anborek Anbore	N/A
8.10.2	Marking and instructions	Anbor An hotek Anbo	N/A
Anbor	Instructional Safeguard:	Anbols An hotek An	
8.10.3	Cart, stand or carrier loading test and compliance	lek Anbort Ant hotek	N/A
Anbort	Applied force:	botek Anbote Ant Ant	
8.10.4	Cart, stand or carrier impact test	abotek Anboten Anbotek	N/A
8.10.5	Mechanical stability	Anbotek Anboter Anbo	N/A
abotek	Applied horizontal force (N)	Ann hotek Anboten Anbo	
8.10.6	Thermoplastic temperature stability (°C):	ak notek Anboten An	N/A
8.11	Mounting means for rack mounted equipment	K sotek Anboten	N/A
8.11.1	General	poter Anno stek Anbotek	N/A
8.11.2	Product Classification	Anboten Anbotek anbotek	N/A
8.11.3	Mechanical strength test, variable N	Anboten Anbo tek poot	N/A MO
8.11.4	Mechanical strength test 250N, including end stops	Anboten Anbor An	o ^{te^k N/A}
8.12	Telescoping or rod antennas	(See Annex T)	N/A
nbotek	Button/Ball diameter (mm)	tek spotek Anbols	

9	THERMAL BURN INJURY	- 65° - 630	Р
9.2	Thermal energy source classifications	Classified as TS1	Р
9.3	Safeguard against thermal energy sources		N/A
9.4	Requirements for safeguards	·	N/A
9.4.1	Equipment safeguard		N/A
9.4.2	Instructional safeguard:		N/A

10	RADIATION		N/A
10.2	Radiation energy source classification	An notek Anboten Anb	N/A
10.2.1	General classification	And otek Anbotek A	N/A
10.3	Protection against laser radiation	oter And otek unbotek	N/A
Ann	Laser radiation that exists equipment:	nboten Anbo tek nbotek	
to An	Normal, abnormal, single-fault	(See attached laser test report)	N/A
boter.	Instructional safeguard:	Anboten Anbo Ak	—
Anboten	Tool:	Anbotek Anbore An	
10.4	Protection against visible, infrared, and UV radiation	nek Anbotek Anbotek	N/A

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Anbo	IEC 62368-1	tek Anbor Ar.	poter
Clause	Requirement + Test	Result - Remark	Verdict
10.4.1	General	Anbotek Anbote An	N/A
10.4.1.a)	RS3 for Ordinary and instructed persons	Anborek Anbor An	N/A
10.4.1.b)	RS3 accessible to a skilled person	Anbotok Anbort All	N/A
Anboten	Personal safeguard (PPE) instructional safeguard	ek Anbotek Anbotek	
10.4.1.c)	Equipment visible, IR, UV does not exceed RS1.:	boten Anotek Anbotek	N/A
10.4.1.d)	Normal, abnormal, single-fault conditions:	(See appended table B.3 & B.4)	N/A
10.4.1.e)	Enclosure material employed as safeguard is opaque:	Anbotek Anbotek Anbot	N/A
10.4.1.f)	UV attenuation:	an hotek Anbotek An	N/A
10.4.1.g)	Materials resistant to degradation UV:	And hotek Anbotek	N/A
10.4.1.h)	Enclosure containment of optical radiation:	poter Annotek Anbotek	N/A
10.4.1.i)	Exempt Group under normal operating conditions:	Anbotek Anbotek Anbotek	N/A
10.4.2	Instructional safeguard:	An hotek Anboten Anbo	N/A
10.5	Protection against x-radiation	k hotek Anboten Ant	N/A
10.5.1	X- radiation energy source that exists equipment:	(See appended table B.3 & B.4)	N/A
Ann	Normal, abnormal, single fault conditions	Joten Anb otek Anbotek	N/A
Ann	Equipment safeguards:	Anboten Anbo	N/A
ple, Au	Instructional safeguard for skilled person:	Anboten Anbor est bote	N/A
10.5.3	Most unfavourable supply voltage to give maximum radiation	Anbotek Anbotek Anb	
Amenotek	Abnormal and single-fault condition::	(See appended table B.3 & B.4)	N/A
Ano	Maximum radiation (pA/kg)	oten Ando tek potek	N/A
10.6	Protection against acoustic energy sources	inboten Anbo, tek abotek	N/A
10.6.1	General	Anbotek Anbot An hotel	N/A
10.6.2	Classification	nbotek Anbote Am	N/A
nbotek	Acoustic output, dB(A)	a spotek Anbote And	N/A
abotek	Output voltage, unweighted r.m.s:	tek abotek Anboter A	N/A
10.6.4	Protection of persons	or An hotek Anboten	N/A
ok h	Instructional safeguards:	nbot An otek Anboteh	N/A
botek P	Equipment safeguard prevent ordinary person to RS2	Anbotek Anbotek Anbotek	
Anbotek	Means to actively inform user of increase sound pressure:	Anbotek Anbotek Anb	—
Anbo	Equipment safeguard prevent ordinary person to RS2	stek Anborek Anbotek	

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Anboten	IEC 62368-1	otek Anbotek Anbor A	abotek
Clause	Requirement + Test	Result - Remark	Verdict
lek nb	oten Anbor A	tek sboter Anbo	otek
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	Anbotek Anbotek An	pove N/A
Anbotek	Input voltage with 94 dB(A) <i>L_{Aeq}</i> acoustic pressure output:	otek Anbotek Anbotek	
10.6.5.2	Corded listening devices with digital input	otek Anbotek Anbot	N/A
otek N	Maximum dB(A):	And tek anbotek Anbots	
10.6.5.3	Cordless listening device	Anbo etek anbotek Anbot	N/A
And	Maximum dB(A)	Anbo pak potek Ant	

В	NORMAL OPERATING CONDITION TESTS, ABI CONDITION TESTS AND SINGLE FAULT COND		AntProtector
B.2	Normal Operating Conditions	Ant stek anbotek Anbot	Р
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	P Am
Anboten	Audio Amplifiers and equipment with audio amplifiers	(See Annex E)	unbote ^P
B.2.3	Supply voltage and tolerances	pole, Ant otek unbotek	AnbP
B.2.5	Input test:	(See appended table B.2.5)	P ^{ooto}
B.3	Simulated abnormal operating conditions	Anboten Anbo tek pote	N/A
B.3.1	General requirements	(See appended table B.3)	N/A
B.3.2	Covering of ventilation openings	K subotek Aubor Au	N/A
B.3.3	D.C. mains polarity test	stek spotek Anboro P	N/A
B.3.4	Setting of voltage selector::	tek obotek Anbote	N/A
B.3.5	Maximum load at output terminals	anbot All potek Anboten	N/A
B.3.6	Reverse battery polarity	Anbour An botek Anbote	N/A
B.3.7	Abnormal operating conditions as specified in Clause E.2.	Anbotek Anbotek Anb	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions	otek Anbotek Anbotek A	N/A
B.4	Simulated single fault conditions	Anbotek Anboi An hotek	Ar Boter
B.4.2	Temperature controlling device open or short- circuited	(See appended table B.4)	N/A
B.4.3	Motor tests	And otek photek Anbo	N/A
B.4.3.1	Motor blocked or rotor locked increasing the internal ambient temperature	(See Clause G.5)	N/A
B.4.4	Short circuit of functional insulation	tek nbotek Anbot	Potek

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Clause	Requirement + Test	Result - Remark	Verdict
Clause	Requirement + rest	Result - Remark	verdict
B.4.4.1	Short circuit of clearances for functional insulation	Anboten Anbo Anbotek Anbotek	P
3.4.4.2	Short circuit of creepage distances for functional insulation	Anbotek Anbotek Anbot	ek P Ant
3.4.4.3	Short circuit of functional insulation on coated printed boards	ek Anbotek Anbotek An	AnboteR
B.4.5	Short circuit and interruption of electrodes in tubes and semiconductors	potek Anborek Anbolek	AntPlei
B.4.6	Short circuit or disconnect of passive components	Ano otek Anbotek Anbot	Р
3.4.7	Continuous operation of components	Ando tek nbotek Anbot	N/A
B.4.8	Class 1 and Class 2 energy sources within limits during and after single fault conditions	anbotek Anbotek An	P P
B.4.9	Battery charging under single fault conditions :	(See Annex M)	Blek
С	UV RADIATION		N/A
C.1	Protection of materials in equipment from UV radiation	Anbotek Anbotek Anbote	N/A
C.1.2	Requirements	Anbotek Anbo At	ov ^{o≪} N/A
C.1.3	Test method	sk anbotek Anbou An	N/A
C.2 Anbotek	UV light conditioning test	stek spotek Anbols	N/A
C.2.1	Test apparatus	rek abotek Anbote	N/A
C.2.2	Mounting of test samples	Anbot At thotek Anbotet	N/A
C.2.3	Carbon-arc light-exposure apparatus	Anbor All hotek Anbore	N/A
C.2.4	Xenon-arc light exposure apparatus	Ambour Ann otek Anb	N/A 🖻
D	TEST GENERATORS		N/A
D.1 Anbote	Impulse test generators	otek Anboten And	N/A
D.2 Anbo	Antenna interface test generator	hotek Anboten Anbo	N/A
D.3	Electronic pulse generator	uni otek Anbotek Anbo	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	NING AUDIO AMPLIFIERS	P
E.1	Audio amplifier normal operating conditions	And atek anbotek Anbi	P
Ann	Audio signal voltage (V):	Anou tek abotek A	
Anb	Rated load impedance (Ω)	otek Anbo tek abotek	
E.2 Anbo	Audio amplifier abnormal operating conditions	nbotek Anbos Alt hotek	ArPoter
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND	INSTRUCTIONAL SAFEGUARDS	PAnbo
F.11ek	General requirements	abotek Anbore And	Let P
abotek	Instructions – Language	English	_
F.2 botek	Letter symbols and graphical symbols	All hotek Anbotek Al	P
F.2.1	Letter symbols according to IEC60027-1	pro province notest	Anbold P

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Clauss	Dequirement + Test	Deput Demort	Vordiot
Clause	Requirement + Test	Result - Remark	Verdict
F.2.2	Graphic symbols IEC, ISO or manufacturer specific	Anbotek Anbotek Anbotek	P ^{nbol}
F.3	Equipment markings	s abotek Anboten Anb	otek P
F.3.1 pole	Equipment marking locations	ek sbotek Anboton An	P
F.3.2	Equipment identification markings	work notek Ambolies	And Prek
F.3.2.1	Manufacturer identification	Satechi	
F.3.2.2	Model identification:	See page 3	
F.3.3	Equipment rating markings	Anboten Anton otek Anbot	P Ant
F.3.3.1	Equipment with direct connection to mains	Anboren Anbo	N/A
F.3.3.2	Equipment without direct connection to mains	ek Anbolen Ambo	oboteP
F.3.3.3	Nature of supply voltage	used	
F.3.3.4	Rated voltage	See label	
F.3.3.4	Rated frequency	Anbo tek Anbotek Anboto	
F.3.3.6	Rated current or rated power	See label	
F.3.3.7	Equipment with multiple supply connections	Anbo tek apotek An	N/A
F.3.4	Voltage setting device	Anbo lek abolek	N/A
F.3.5	Terminals and operating devices	polek Anbor Ali abotek	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings	Anbotek Anbotek Anbotek	N/A
F.3.5.2	Switch position identification marking	Anbo tek Anbotek Anbot	N/A
F.3.5.3	Replacement fuse identification and rating markings	K Anbotek Anbotek Ant	N/A
F.3.5.4	Replacement battery identification marking:	otek Anbotek Anbou ek	N/A
F.3.5.5	Terminal marking location	otek Anbolek Anbol	N/A
F.3.6	Equipment markings related to equipment classification	Anbotek Anbotek Anbote	N/A
F.3.6.1	Class I Equipment	Anboton Anbo tek	N/A 🕅
F.3.6.1.1	Protective earthing conductor terminal	anboten Anbos Au	N/A
F.3.6.1.2	Neutral conductor terminal	otek Anbotek Anbote P	N/A
F.3.6.1.3	Protective bonding conductor terminals	otek hnbotek Anbou	N/A
F.3.6.2	Class II equipment (IEC60417-5172)	nb otek snbotek Anbote	N/A
F.3.6.2.1	Class II equipment with or without functional earth	Anbu tek abotek Anbote	N/A
F.3.6.2.2	Class II equipment with functional earth terminal marking	Anbotek Anbotek Anb	N/A
F.3.7 poter	Equipment IP rating marking	tek photek Anboln A	
F.3.8	External power supply output marking	k sotek Anbola	P. ek

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Clause	Requirement + Test	Result - Remark	Verdict
Clause	Requirement + Test	Result - Remark	verdict
F.3.9	Durability, legibility and permanence of marking	Anboten Anbo A. Anbotek	P
F.3.10	Test for permanence of markings	After test there was no damage on the label. The marking on the label did not fade. There was no curling and lifting of the label edge.	potek
=.4 Anbole	Instructions	otek unbotek Anboten	Blek
ak Aupo	a) Equipment for use in locations where children not likely to be present - marking	Anbotek Anbotek Anbotek	N/A
poten A	b) Instructions given for installation or initial use	anbotek Anbou tek abot	N/A
Anbotet	c) Equipment intended to be fastened in place	Anbotek Anbot An	o ^{ve^NN/A}
Anbotek	d) Equipment intended for use only in restricted access area	ek Anbotek Anbotek	N/A
K Anbo	e) Audio equipment terminals classified as ES3 and other equipment with terminals marked in accordance F.3.6.1	Anbotek Anbotek Anbotek	N/A
rek k.	f) Protective earthing employed as safeguard	Anbour An hotek Anboth	N/A
nbot nbotek	g) Protective earthing conductor current exceeding ES 2 limits	Anbole Ann ek anbolek Anbolek Ant	N/A
nbotek	h) Symbols used on equipment	rek botek Anbote.	N/A
Anbot	i) Permanently connected equipment not provided with all-pole mains switch	nbotek Anbotek Anbotek	N/A
tek An	j) Replaceable components or modules providing safeguard function	Anbotek Anbotek Anbote	N/A
.5	Instructional safeguards	Anbo tek abotek Anb	N/A
Anbotek	Where "instructional safeguard" is referenced in the test report it specifies the required elements, location of marking and/or instruction	otek Anbotek Anbotek	N/A
3	COMPONENTS		P.P.
5.1 ^{An}	Switches	Anboten Anbo ak hote	N/A
G.1.1	General requirements	Anbotek Anbore Ann	N/A
6.1.2	Ratings, endurance, spacing, maximum load	k unbotek Anbots And	N/A
5.2 Anbotek	Relays	otek opotek Anbole A	N/A
S.2.1 sobote	General requirements	tek sobotek Anboten	N/A
6.2.2	Overload test	nbor An botek Anboten	N/A
6.2.3	Relay controlling connectors supply power	Anbour An wotek Anbotet	N/A
G.2.4	Mains relay, modified as stated in G.2	Anbota Ana Ana Ana	N/A 🖻
3.3	Protection Devices	K Anbote, Anboatek	N/A
G.3.1 ¹⁰⁰¹⁰⁰	Thermal cut-offs	tek soler And	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
Clause	Requirement + rest	Result - Remark	verdict
G.3.1.1a) &b)	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	Anbotek Anbotek Anbotek	N/A
G.3.1.1c)	Thermal cut-outs tested as part of the equipment as indicated in c)	Anbotek Anbotek An	N/A
G.3.1.2	Thermal cut-off connections maintained and secure	otek Anbotek Anbotek	N/A
G.3.2	Thermal links	notek Anbotek Anborrek	N/A
G.3.2.1a)	Thermal links separately tested with IEC 60691	And otek anbotek Anbot	N/A
G.3.2.1b)	Thermal links tested as part of the equipment	Anbo atek anbotek Anbot	N/A
Ano	Aging hours (H):	Anbo tek stotek Ant	
Anbo	Single Fault Condition	ek Anbor ek abotek	_
Aupor	Test Voltage (V) and Insulation Resistance (Ω). :	poten Anbour An hotek	
G.3.3	PTC Thermistors	nbotek Anbour And hotek	N/A
G.3.4	Overcurrent protection devices	Anbotek Anbote Ant	N/A
G.3.5	Safeguards components not mentioned in G.3.1 to	G.3.5 Martin Martin	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	ek Anbotek Anbotek Ant	N/A
G.3.5.2	Single faults conditions	(See appended Table B.4)	N/A
G.4	Connectors	nbotek Anbote Anti-	N/A
G.4.1	Spacings	abotek Anbote And	N/A
G.4.2	Mains connector configuration:	Anbotek Anbote Anb	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	a Anbotek Anbotek Anb	N/A
G.5 Anbor	Wound Components	potek Anbolic k Ant Lotek	N/A
G.5.1 March	Wire insulation in wound components	(See Annex J)	N/A
G.5.1.2 a)	Two wires in contact inside wound component, angle between 45° and 90°	Anbotek Anbotek Anbotek	N/A
G.5.1.2 b)	Construction subject to routine testing	Anbout All botek Anbr	N/A
G.5.2	Endurance test on wound components	Anboit An otek	N/A
G.5.2.1	General test requirements	otek Anbote Ann otek	N/A
G.5.2.2	Heat run test	botek Anboten Anbo	N/A
otek Ant	Time (s):	hotek Anboten Anbu	
botek	Temperature (°C)	Ant hotek Anbotek Anbo	
G.5.2.3	Wound Components supplied by mains	And sotek Anbotek Anbo	N/A
G.5.3	Transformers	And stek subotek At	N/A
G.5.3.1	Requirements applied (IEC61204-7, IEC61558- 1/-2, and/or IEC62368-1)	tek abotek Anbotek	N/A

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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
the Mar	oter Anbo A hoter Anbore A	tek abotek Anbot	ps:
dek.	Position:	Anbo tek pootek Anbote.	—
-+6 ^W	Method of protection:	Anbo, At. botek Anbol	
9.5.3.2	Insulation	Anbour An hotek An	N/A
Anbou	Protection from displacement of windings	lek Anbole Ann atek	
G.5.3.3	Overload test	(See appended table B.3)	N/A
G.5.3.3.1	Test conditions	botek Anbotes Anbo	N/A
G.5.3.3.2	Winding Temperatures testing in the unit	hotek Anbote Anbo	N/A
6.5.3.3.3	Winding Temperatures - Alternative test method	And atek unbotek Anbo	N/A
9.5.4	Motors	Ambo tek nbotek Am	N/A
6.5.4.1	General requirements	er Anley tek abotek	N/A
Aupu	Position	poten Anbor All Abotek	
G.5.4.2	Test conditions	Anbotek Anbour Anthotek	N/A
G.5.4.3	Running overload test	anboten Anbote Ant	N/A
G.5.4.4	Locked-rotor overload test	abotek Anbots And	N/A
abotek	Test duration (days)	ek botek Anboten An	
G.5.4.5	Running overload test for d.c. motors in secondary circuits	potek Anbolek Anbolek	N/A
G.5.4.5.2	Tested in the unit	nboten Anbou An hotek	N/A
pter pr	Electric strength test (V)	nbotek Anbots Ant	
9.5.4.5.3	Tested on the Bench - Alternative test method; test time (h)	Anbotek Anbotek Anb	N/A
And	Electric strength test (V)	Antio tek sootek p	
G.5.4.6	Locked-rotor overload test for d.c. motors in secondary circuits	otek Anbotek Anbotek	N/A
G.5.4.6.2	Tested in the unit	trabo tek nbotek Anbote	N/A
otek	Maximum Temperature	Anborek Anborek Anbore	N/A
, tek	Electric strength test (V)	Anbor All botek Anbr	N/A
9.5.4.6.3	Tested on the bench - Alternative test method; test time (h)	htek Anbotek Anbotek A	N/A
Anbot	Electric strength test (V)	stek apotek Anbotek	N/A
G.5.4.7	Motors with capacitors	nbo tek botek Anboten	N/A
G.5.4.8	Three-phase motors	Anboile All botek Anbolak	N/A
G.5.4.9	Series motors	Anbour Ann notek Anbo	N/A
Anbore	Operating voltage	Anbote Anno otek M	
3.6 And Charles	Wire Insulation	otek Anboten Anbo M	N/A

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Olar mote	Ander Devices and Text bolick Ath	Desett ^{en} Desett ^{en}	Panpa Pak
Clause	Requirement + Test	Result - Remark	Verdict
G.6.1	General	Ambotek Ambotek anbotek	N/A
G.6.2	Solvent-based enamel wiring insulation	Anbotek Anbor Ar	N/A
G.7	Mains supply cords	Anbolek Anbor An	N/A
G.7.1	General requirements	ek Anbotek Anbote Al	N/A
Anborok	Туре	Lotek Anbotek Anbou	_
anbc Anbc	Rated current (A)	Lotek Anbotek Anbolt	
otek Al	Cross-sectional area (mm ²), (AWG):	Andot Anbotek Anbolo	
G.7.2	Compliance and test method	Anbo otek nabotek Anbol	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	ek Anbotek Anbotek An	N/A
G.7.3.2	Cord strain relief	ootek Anbotes Anbo	N/A
G.7.3.2.1	Requirements	botek Anbotek Anbo	N/A
otek Ar	Strain relief test force (N):	An hotek Anbotek Anbotek	
G.7.3.2.2	Strain relief mechanism failure	Antek Anbotek Anbo	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	And sotek Anbotek Ant	—
G.7.3.2.4	Strain relief comprised of polymeric material	And atek unbotek	N/A
G.7.4	Cord Entry	(See appended table 5.4.11.1)	N/A
G.7.5	Non-detachable cord bend protection	Anbotek Anbo tek abotek	N/A
G.7.5.1	Requirements	Anbotek Anbo hak abote	N/A
G.7.5.2	Mass (g)	Anbotek Anbor An	_
Anbotek	Diameter (m):	k unbotek Anbou An	
Anbotek	Temperature (°C):	stek anbotek Anbote	
G.7.6	Supply wiring space	stek photek Anboten	N/A
G.7.6.2	Stranded wire	knbo kek abotek Anboter	N/A
G.7.6.2.1	Test with 8 mm strand	Anbor Anbotek Anbote	N/A
G.8	Varistors	Anbour All hotek Anbr	N/A
G.8.1	General requirements	Anbour An-	N/A
G.8.2	Safeguard against shock	otek Anbote Anu otek	N/A
G.8.3 March 614	Safeguard against fire	botek Anbote Anv	N/A
G.8.3.2	Varistor overload test	(See appended table B.3)	N/A
G.8.3.3	Temporary overvoltage	(See appended table B.3)	N/A
G.9	Integrated Circuit (IC) Current Limiters	An- notek Anbotek Anbo	N/A
G.9.1 a)	Manufacturer defines limit at max. 5A.	Anb stek nbotek A	N/A
G.9.1 b)	Limiters do not have manual operator or reset	oten Anbo not notek	N/A

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Ann	IEC 62368-1	ote And hotek	hupo.
Clause	Requirement + Test	Result - Remark	Verdict
G.9.1 c)	Supply source does not exceed 250 VA:	Anbotek Anbote Ant	
G.9.1 d)	IC limiter output current (max. 5A)	Anbotek Anbo	
G.9.1 e)	Manufacturers' defined drift	Anbotek Anbot Al	
G.9.2	Test Program 1	lek Anborek Anbor A	N/A
G.9.3	Test Program 2	notek anbotek Anbourtek	N/A
G.9.4	Test Program 3	otek unbotek Anbols	N/A
G.10	Resistors	Anbo tek nbotek Anbote	N/A
G.10.1	General requirements	Anbo Anbotek Anbot	N/A
G.10.2	Resistor test	Anbor An abotek An	N/A
G.10.3	Test for resistors serving as safeguards between the mains and an external circuit consisting of a coaxial cable	ootek Anbotek Anbotek	N/A
G.10.3.1	General requirements	Anbor An hotek Anboten	N/A
G.10.3.2	Voltage surge test	Anbolt Anthotek Anbot	N/A
G.10.3.3	Impulse test	Anboten Anto otek Ant	o ^{vo™} N/A
G.11	Capacitor and RC units	ek Anboter Anbo	N/A
G.11.1	General requirements	otek Anboten Anbo	N/A
G.11.2 🔊	Conditioning of capacitors and RC units	Lotek Anbotek Anbo	N/A
G.11.3	Rules for selecting capacitors	Ant otek Anbotek Anbo	N/A
G.12	Optocouplers	Anbo tek Anbotek Anbot	N/A
Anbotek	Optocouplers comply with IEC 60747-5-5:2007 Spacing or Electric Strength Test (specify option and test results)	K Anbotek Anbotek Anb	N/A
Aun	Type test voltage Vini:	oten Anbo tek honbotek	
Aup	Routine test voltage, Vini,b:	inbotes Anbo tek nbotek	
G.13	Printed boards	Anboten Anbo tek abote	PAnb
G.13.1	General requirements	Anbotek. Anbor tek ab	Ke ^k P p
G.13.2	Uncoated printed boards	r anbotek Anbour An	bote ^K P
G.13.3	Coated printed boards	stek subotek Anbour P	N/A
G.13.4	Insulation between conductors on the same inner surface	nbotek Anbotek Anbotek	N/A
-botek An	Compliance with cemented joint requirements (Specify construction)	Anbolek Anbolek Anbolek	
G.13.5	Insulation between conductors on different surfaces	Anbotek Anbotek Anbo	N/A
Anboton	Distance through insulation	(See appended table 5.4.4.5)	N/A
bote	Number of insulation layers (pcs)	ok boten Anbo	

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Anbols	IEC 62368-1	otek Anbote Amb	abotek
Clause	Requirement + Test	Result - Remark	Verdict
G.13.6	Tests on coated printed boards	Anbotek Anbotek Anbotek	N/A
G.13.6.1	Sample preparation and preliminary inspection	Anboter Ano	N/A
G.13.6.2a)	Thermal conditioning	Anboton Ano	N/A
G.13.6.2b)	Electric strength test	lek Anbolet Anbo	N/A
G.13.6.2c)	Abrasion resistance test	hotek Anbotel Anbor	N/A
G.14 And	Coating on components terminals	sotek Anboten Anbo	N/A
G.14.1	Requirements:	(See G.13)	N/A
G.15	Liquid filled components	And tek anbotek Anbos	N/A
G.15.1	General requirements	Ambo tek pootek Am	N/A
G.15.2	Requirements	en Anbu tek botek	N/A
G.15.3	Compliance and test methods	potek Anbou Lek abotek	N/A
G.15.3.1	Hydrostatic pressure test	Anbotek Anbou An hotek	N/A
G.15.3.2	Creep resistance test	nbotek Anbolu An	N/A
G.15.3.3	Tubing and fittings compatibility test	abotek Anbote Ant	N/A
G.15.3.4	Vibration test	ak botek Anbote. An	N/A
G.15.3.5	Thermal cycling test	An hotek Anboten	N/A
G.15.3.6	Force test	oto Ann hotek Anbotek	N/A
G.15.4	Compliance	Anbote Ann otek Anbotek	N/A
G.16	IC including capacitor discharge function (ICX)	Anbote Ano tek anbote	N/A
a) of the second s	Humidity treatment in accordance with sc5.4.8 – 120 hours	Anbotek Anbotek Anb	N/A
b) Ann Anbotek	Impulse test using circuit 2 with Uc = to transient voltage	otek Anbotek Anbotek	N/A
C1)	Application of ac voltage at 110% of rated voltage for 2.5 minutes	unbotek Anbotek Anb	N/A
C2)	Test voltage	Anbols An hotek Anbote	
D1)	10,000 cycles on and off using capacitor with smallest capacitance resistor with largest resistance specified by manufacturer	Anbotek Anbotek Anb	N/A
D2)	Capacitance	otek Anbou tek potek	—
D3)	Resistance:	nbotek Anbour Antotek	—
н	CRITERIA FOR TELEPHONE RINGING SIGNALS	S	N/A
H.1	General	abotek Anbor An	N/A
H.2 otek	Method A	probotek Anboten Anto	N/A
H.3 abotek	Method B	ek botek Anboten A	N/A
H.3.1	Ringing signal	And tek subotek	N/A

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Anbo	IEC 62368-1	otek Anbo Air Air	anboten
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H.3.1.1	Frequency (Hz)	anbutek Anbote Anu	- All
H.3.1.2	Voltage (V)	Anbotek Anbote Atte	
H.3.1.3	Cadence; time (s) and voltage (V)	motek Anbore Anu	
wolen.	hap the solo har	ek stotek Anboten An	
H.3.1.4	Single fault current (mA):	All hotek Allhoten	
H.3.2	Tripping device and monitoring voltage	bote Ant hotek Anbolek	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage complied with	Anbotek Anbotek Anbotek	N/A
H.3.2.2	Tripping device	Anbola An hotek Anbol	N/A
H.3.2.3	Monitoring voltage (V):	Anboth Ann otek An	
J	INSULATED WINDING WIRES FOR USE WITHO	UT INTERLEAVED INSULATION	N/A
Aupor	General requirements	(See separate test report)	N/A
к	SAFETY INTERLOCKS		N/A
K.1	General requirements		N/A
K.2	Components of safety interlock safeguard mechanism	(See Annex G)	N/A
K.3	Inadvertent change of operating mode		N/A
K.4	Interlock safeguard override		N/A
K.5	Fail-safe		N/A
	Compliance:	(See appended table B.4)	N/A
K.6	Mechanically operated safety interlocks		N/A
K.6.1	Endurance requirement		N/A
K.6.2	Compliance and Test method		N/A
K.7	Interlock circuit isolation		N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements (type and circuit location):		N/A
K.7.2	Overload test, Current (A)		N/A
K.7.3	Endurance test		N/A
K.7.4	Electric strength test	(See appended table 5.4.11)	N/A
L	DISCONNECT DEVICES		N/A
L.1	General requirements		N/A
L.2	Permanently connected equipment		N/A
L.3	Parts that remain energized		N/A
L.4	Single phase equipment		N/A
L.5	Three-phase equipment		N/A
L.6	Switches as disconnect devices		N/A

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Anbor	IEC 62368-1	stek Anbore Ant tek	potek
Clause	Requirement + Test	Result - Remark	Verdict
sup and	oto Ann K hotek Anbo A	rek abote. Anu	
7	Plugs as disconnect devices		N/A
L.8	Multiple power sources		N/A
Μ	EQUIPMENT CONTAINING BATTERIES AND TH	IEIR PROTECTION CIRCUITS	Р
M.1	General requirements		Р
M.2	Safety of batteries and their cells		Р
M.2.1	Requirements		Р
M.2.2	Compliance and test method (identify method):		N/A
M.3	Protection circuits		Р
M.3.1	Requirements		Р
M.3.2	Tests		Р
	- Overcharging of a rechargeable battery	(See append table Annex M)	Р
	- Unintentional charging of a non-rechargeable battery		N/A
	- Reverse charging of a rechargeable battery	(See append table Annex M)	Р
	- Excessive discharging rate for any battery	(See append table Annex M)	Р
M.3.3	Compliance:	(See appended Tables and Annex M and M.4)	Р
M.4	Additional safeguards for equipment containing secondary lithium battery		Ρ
M.4.1	General		Р
M.4.2	Charging safeguards		Р
M.4.2.1	Charging operating limits		Р
M.4.2.2a)	Charging voltage, current and temperature:	(See Table M.4)	
M.4.2.2 b)	Single faults in charging circuitry	(See Annex B.4)	
M.4.3	Fire Enclosure		P
M.4.4	Endurance of equipment containing a secondary lithium battery		Ρ
M.4.4.2	Preparation		N/A
M.4.4.3	Drop and charge/discharge function tests		Р
	Drop		Р
	Charge		Р
	Discharge		Р
M.4.4.4	Charge-discharge cycle test		P
M.4.4.5	Result of charge-discharge cycle test		Р
M.5	Risk of burn due to short circuit during carrying		N/A
M.5.1	Requirement		N/A

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Ann	IEC 62368-1	pabolo
Clause	Requirement + Test Result - Remark	Verdict
M.5.2	Compliance and Test Method (Test of P.2.3)	N/A
M.6	Prevention of short circuits and protection from other effects of electric current	N/A
M.6.1	Short circuits	N/A
M.6.1.1	General requirements	N/A
M.6.1.2	Test method to simulate an internal fault	N/A
M.6.1.3	Compliance (Specify M.6.1.2 or alternative method)	N/A
M.6.2	Leakage current (mA):	N/A
M.7	Risk of explosion from lead acid and NiCd batteries	N/A
M.7.1	Ventilation preventing explosive gas concentration	N/A
M.7.2	Compliance and test method	N/A
M.8	Protection against internal ignition from external spark sources of lead acid batteries	N/A
M.8.1	General requirements	N/A
M.8.2	Test method	N/A
M.8.2.1	General requirements	N/A
M.8.2.2	Estimation of hypothetical volume Vz (m ³ /s):	
M.8.2.3	Correction factors:	
M.8.2.4	Calculation of distance d (mm):	
M.9	Preventing electrolyte spillage	N/A
M.9.1	Protection from electrolyte spillage	N/A
M.9.2	Tray for preventing electrolyte spillage	N/A
M.10	Instructions to prevent reasonably foreseeable misuse (Determination of compliance: inspection, data review; or abnormal testing):	N/A
N	ELECTROCHEMICAL POTENTIALS	N/A
	Metal(s) used: Pollution degree considered	
0	MEASUREMENT OF CREEPAGE DISTANCES AND CLEARANCES	N/A
	Figures O.1 to O.20 of this Annex applied	—
Р	SAFEGUARDS AGAINST ENTRY OF FOREIGN OBJECTS AND SPILLAGE OF INTERNAL LIQUIDS	N/A
P.1	General requirements	N/A
P.2.2	Safeguards against entry of foreign object	N/A
	Location and Dimensions (mm):	

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Anbo	IEC 62368-1	otek Anbor All otek	anboten
Clause	Requirement + Test	Result - Remark	Verdict
sk ad	pote Ann K hotek Anbo	tek poote And	- dV
- .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:	(See G.13.6.2)	N/A
P.4.2 c)	Mechanical strength testing:	(See Annex T)	N/A
Q	CIRCUITS INTENDED FOR INTERCONNECTION	N WITH BUILDING WIRING	N/A
Q.1	Limited power sources		N/A
Q.1.1 a)	Inherently limited output		N/A
Q.1.1 b)	Impedance limited output		N/A
	- Regulating network limited output under normal operating and simulated single fault condition		N/A
Q.1.1 c)	Overcurrent protective device limited output		N/A
Q.1.1 d)	IC current limiter complying with G.9		N/A
Q.1.2	Compliance and test method		N/A
Q.2	Test for external circuits – paired conductor cable		N/A
	Maximum output current (A):		
	Current limiting method:		
R	LIMITED SHORT CIRCUIT TEST		N/A
R.1	General requirements		N/A

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Ann	IEC 62368-1	And Lak botek	papor
Clause	Requirement + Test	Result - Remark	Verdict
R.2	Determination of the overcurrent protective device and circuit	rek bor Att	N/A
२.3	Test method Supply voltage (V) and short-circuit current (A)).		N/A
S	TESTS FOR RESISTANCE TO HEAT AND FIRE		N/A
S.1	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W		N/A
	Samples, material		
	Wall thickness (mm)		
	Conditioning (°C)		—
	Test flame according to IEC 60695-11-5 with conditions as set out		N/A
	- Material not consumed completely		N/A
	- Material extinguishes within 30s		N/A
	- No burning of layer or wrapping tissue		N/A
S.2	Flammability test for fire enclosure and fire barrier integrity		N/A
	Samples, material		—
	Wall thickness (mm)		—
	Conditioning (°C)		
	Test flame according to IEC 60695-11-5 with conditions as set out		N/A
	Test specimen does not show any additional hole		N/A
S.3	Flammability test for the bottom of a fire enclosure		N/A
	Samples, material		
	Wall thickness (mm):		_
	Cheesecloth did not ignite		N/A
S.4	Flammability classification of materials		N/A
S.5	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W		N/A
	Samples, material:		
	Wall thickness (mm)		
	Conditioning (test condition), (°C)		
	Test flame according to IEC 60695-11-20 with conditions as set out		N/A

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Anbo	IEC 62368-1	otek Anbor An	apporter
Clause	Requirement + Test	Result - Remark	Verdict
ek an	ote Ant ok potek Anbo, P	tek aboter And	- dV
	After every test specimen was not consumed completely		N/A
	After fifth flame application, flame extinguished within 1 min		N/A
r	MECHANICAL STRENGTH TESTS		Р
Г.1	General requirements		Р
Г.2	Steady force test, 10 N	(See appended table T.2)	Р
Г.З	Steady force test, 30 N	(See appended table T3)	N/A
Г.4	Steady force test, 100 N	(See appended table T4)	Р
Г.5	Steady force test, 250 N	(See appended table T5)	N/A
Г.6	Enclosure impact test	(See appended table T6)	N/A
	Fall test		N/A
	Swing test		N/A
Т.7	Drop test:	(See appended table T7)	Р
Г.8	Stress relief test	(See appended table T8)	Р
Т.9	Impact Test (glass)		N/A
T.9.1	General requirements		N/A
T.9.2	Impact test and compliance		N/A
	Impact energy (J):		
	Height (m):		
Г.10	Glass fragmentation test:	(See sub-clause 4.4.4.9)	N/A
Г.11	Test for telescoping or rod antennas		N/A
	Torque value (Nm):		
J	MECHANICAL STRENGTH OF CATHODE RAY T AGAINST THE EFECTS OF IMPLOSION	UBES (CRT) AND PROTECTION	N/A
J.1	General requirements		N/A
J.2	Compliance and test method for non-intrinsically protected CRTs		N/A
J.3	Protective Screen	(See Annex T)	N/A
Aur	rak abotek Anbon An atek	Anboten Anbo ak hotek	Anboro
/	DETERMINATION OF ACCESSIBLE PARTS (FIN	GERS, PROBES AND WEDGES)	Р
/.1	Accessible parts of equipment		Р
/.2	Accessible part criterion		Р

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4.1.2 TABL	E: List of critical com	ponents			Anbo P.ek
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹
Enclosure (plastic)	Chi Mei Corporation	PA-765A(+)	ABS, V-0, 105°C, Min. Thickness: 1.0mm	UL 94	UL oten Anbo
PCB	SHENZHEN SAYEA CIRCUIT TECHNOLOGY CO LTD	SY-D	V-0, 130℃	UL 796	UL Anbotek Anbotek
-Alternative	Interchangeable	Interchangeabl e	V-0 or better, 130°C	UL 796	UL And
Lithium-polymer Ce	II SHENZHEN TAIWOO BATTERY CO., LTD	302323	3.7V, 110mAh, 0.407Wh	IEC 62133: 2012	Tested with appliance (See report No. STR1707901 3S-1)
Lead wire	Interchangeable	Interchangeabl e	22AWG, 80°C, 30V	UL 758	UL Anbot

Supplementary information:

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

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

	Net	100 P	Ann	Pupor Au
npact Are	а	Drop Distance	Drop No.	Observations
.8.4.4	TABLE: Dr	op test	Anbor Ant abotek Anbot	
P. botek	Anbote	Anv otek anbotek	Anbour An botek Anboten	Anbu-tek
Battery Inst	tallation/witho	drawal	Battery Installation/Removal Cycle	Comments
Battery par	t no		tek abotek Anbote	_
4.8.4.3	TABLE: Ba	attery replacement test	ek nootek Anbole An	
Aupo.	- Nek A	obtek Anboten Anbo	nbotek Anbots An	otek Anbotel
Р	art	Material	Oven Temperature (°C)	Comments
4.8.4.2	TABLE: St	ress Relief test	Anbotek Anbor Al botek	
The followi	ng mechanica	al tests are conducted in the sequer	nce noted.)	

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4.8.4.6	TABLE: Cru	ish test	stell and	potek An	boto Ann	otek anboth	_	
Test p	osition	Su	rface tested		Crushing F	orce (N)	Duration applied	
ootek A	ADOLO A	in sotek	Anotek	Anbo	An botek	Anboten	And stek	da
Supplement	ary informatio	n: ^{And} stek						

4.8.5	TABLE: Li	thium coin/b	outton cell b	atteries me	chanical test	result	Note H	N/A
Tes	t position	Su	rface tested		Fo	rce (N)		ration force pplied (s)
botek	Anoten	Anbo	h. abotek	Anboto	Annotek	Anbotek	Propor	- pr.
Suppleme	entary informati	on: nbo	hotek	Anboto	And	ek obotek	Anbo	N Pri

5.2	Table: Cl	lassification of e	electrical energy s	ources	ode No.	ter al	NDO. B	
5.2.2.2 -	- Steady State	Voltage and Cur	rent conditions					
	Supply	Location (e.g.			Parameters			
	Voltage	Voltage	Test conditions	U (Vrms or Vpk)	l (Apk or Arms)	Hz	ES Class	
- pote	5Vdc	Micro USB +/-	Normal	5Vdc	0.001A	Anu	tek	
	otek Anbo	ten Anbo	Abnormal	Anbor An	hotek Anbo	er - Pr	ES1	
	inbotek At	boten Anbo	Single fault- SC/OC	Anbotok K abotek	Anbotet An	potek	Anborek	

5.2.2.3 - Capacitance Limits

		-						1
		Location (e.g.	-	Param		otek		
	Voltage	circuit designation)	Test conditions	Capacitance, nF	Upk (V)	ES Class	Inbote	
	anb	5Vdc	Micro USB +/-	Normal	Anu oten phot	5Vdc	hotek	Ant
	6×	nbotek f	nbout An	Abnormal	Anbo hotek Ant	jotek Arbote	ES1	
	potek	Anbotek	Anbu A.	Single fault- SC/OC	notek Anbotek	Anbotek Anbotek	Anbote	¢ v

5.2.2.4 -	.2.2.4 - Single Pulses										
NL	Supply	Location (e.g.	Tara and Prove		Parameters						
No.	Voltana	circuit designation)	Test conditions	Duration (ms)	Upk (V)	lpk (mA)	ES Class				
an - b	ibo' P	Antotek Ant	Normal	ek Anbotek	An <u>b</u> ore tek	An	Anboten				
poter v	Anbo	Anbotek	Abnormal	potek - Anbot	ek -p.nbo.	ek photek	Anbote				
Anbotek	Anbotek	Anbotek Anbotek	Single fault – SC/OC	Anbotek Ant	unbotek Ant	otek Anbot	otek Anbr				

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No.	Supply	Location (e.g.			Parameters					
	Voltage	circuit designation)	Test condit	ions	Off time (ms)		Upk (V)		k (mA)	ES Class
Anbot Antot	ek en	potel Arroter	Normal Abnormal Single fault – SC/OC		Anbotek An		PIN.	botek - Anbot		en Ant
	dek pi	Anbotek Anbote			Anbotek	Aupo	tek po	abote	K- AN	oten
	knbotek Lek	Anbotek Anb			A ATT	ler.	tek Anbotek		otek notek	Anbotek
		Normal – Abnormal - nformation: SC=Sh	ort Circuit, OC	=Short	Circuit	Anbotek Anbote	Anbor Anbor otek Anbor	lek botek	Anbotek Anbote	Anbote Anbotek Anb
Ant	o ^{ten} v	Anbe A. Anbe	ptek Aupo	Lo.	Pun -pot	ek P	nbotok	Aupor	tek .	nbotek
5.4.1. 6.3.2, B.2.6	9.0,	BLE: Temperature	e measureme	ents	An An	potek Anbotek	Anbotes	And	nbotek	Anb P .ek
potek	Anbo	Supply voltage (V)	kaboten	7UD.	5Vdc	nbote	K Popo		Any note	
Anbotek An		Ambient T _{min} (°C):			40.0	- nb	otek - An	por	P.c.	
Anbotek		Ambient T _{max} (°C):			40.0	ek -	nbotek	Anboro	Pur	
Anbotek		Tma (°C):			40.0	dek -	hotek-	p.nbr		
Maximum measured temperature T of part/at:					T (°C)					Allowed T _{max} (°C)
PCB I	CB near Type-C				51.6	Anboter	Aupo	10	- bote	130
PCB near U3					47.4	Anbo	ptek -p.nl	205 and	-P.5.	130
PCB near U01					45.8	N	abolek -	Anbor	Pu.	130
Internal wire					43.6	.ek -	botek	Pabo	v p	85
Battery surface					41.2 🔊	Net	n abotek	P	pote.	Ref.
Inside enclosure					45.8	Anbor ok	P	A'' botek		Ref.
Outside enclosure					42.7	Aupor	All	otek	Anbote	77 000
Suppl	lementary	information:	Anbo	N 14	abotek	Anbo	K An	otek	Anbo	tek Ar
Temperature T		of winding:	t1 (°C)	R1 (Ω	e) t ₂ (°	°C) R	R ₂ (Ω) T (°		Allowed T _{max} (°C)	Insulation class

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

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

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5.4.1.10.3 TABLE: Ball p	ressure t	est of thermoplas	stics prov	Pur	. stek	Anbotek	N/A	A
Allowed impression diamete	r (mm)		∶ ≤ 2 mm	otor A	np. stek	Anbotek		-
Object/Part No./Material	Manufa	Manufacturer/trademark		temperature	Impression diameter (mm)			
hote Ann otek	totek	Anbor An	hotek	Anboten	AUP	rek al	otek	Anb
Supplementary information:	abotek	Anbore	An	Anboten	AU	Do. W.	botek	P

5.4.2.2, 5.4.2.4 and 5.4.3	TABLE: Minimum C	learance	s/Creepag	ge distance				N/A K
	cl) and creepage at/of/between:	Up (V)	U r.m.s. (V)	Frequenc y (kHz) ¹	Required cl (mm)	cl (mm) ²	Required ³ cr (mm)	cr (mm)
Habor	All abotek Anbote	- An	o tek	Anbotek	Asbore	K Pur	tek - An	otek Ar
- Anbon otek	Anbotek Anb	ole.	Lov hotek	Anbotek	-Aupor	Lek An	botek-	Anboten
Supplement	ary information:	nbor	bu,	ek abc	ten An	уст р	otek	anbolo

5.4.2.3	TABLE: Minimum Cleara	ances distances using	required withstand	voltage N/A
Anbotek	Overvoltage Category (0	DV): DOLO	k abotek An	poli An wotek Ar
nbotek	Pollution Degree:	Anboten Anbo	tek abotek	Anbore Ann Hotek
Clearance	e distanced between:	Required withstand voltage	Required cl (mm)	Measured cl (mm)
Aut Aut	bok botek Anb	o.e. Any	nbotek Anbor	k votek Anboten
etek	Anboth K hotek	hooten Anbo	botek Anbot	Ann alek anbot
Suppleme	entary information:	abotek Anbot	An wotek An	poten Anon ok

5.4.2.4	TABLE: Clearances bas	ed on electric strengt	h test	N/A
Test voltage	e applied between:	Required cl (mm)	Test voltage (kV) peak/ r.m.s. / d.c.	Breakdown Yes / No
orek An	pote Ant potek A	npotek pnbo	Anbotek Anbote	Ant notek Antot
Supplement	tary information:			

5.4.4.2, TABLE: Dis 5.4.4.5 c) 5.4.4.9	tance through insulation	n measureme	ents N ^{ek} An ^{bote}		N/A
Distance through insulation di at/of:	Peak voltage (V)	Frequency (kHz)	Material	Required DTI (mm)	DTI (mm)
hoten And	abotek - Anbore	p.m. wotek	Anboten	Anbo tok	abotek - An
Anboten Anbo	abotek Anbote	Annotek	Anootek	Anbor	p. botok
Supplementary informatio	n: "otek Anbote	Nun	ek botek	Anbor	All

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5.4.9	TABLE: Electric strength tests	abotek Anboten	And otek Anbotek	N/A
Test volt	age applied between:	Voltage shape (AC, DC)	Test voltage (V)	Breakdown Yes / No
notek	Anbole, And stek photek	Anbor An	ex antoten Ar	los hek - ho
Supplem	entary information:	tek Anboto Ano	botek Anbotek	Anbotek A

5.5.2.2	TABLE: Sto	ored discharg	ge on capacito	ors hot	ek Auport Ar	notek	N/A
Supply Vol	tage (V), Hz	Test Location	Operating Condition (N, S)	Switch position On or off	Measured Voltage (after 2 seconds)	ES Clas	sification
Anboro	Annotek	Anbotek	Anbo-	P. bolek	Anbote - Ant	ak ant	Herek A

Supplementary information:

X-capacitors installed for testing are:

□ bleeding resistor rating:

□ ICX:

Notes:

A. Test Location:

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

B. Operating condition abbreviations:

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

5.6.6.2	TABLE: Resistance	of protective conduc	tors and termination	ations house h	N/A
	Accessible part	Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)
- Anboten	Anderek	otel Asboro	Ann	abotek - Anbo	A. Jotek

Supplementary information:

5.7.2.2, 5.7.4	TABLE: Earth	ed accessib	le conduct	ive part			Anbotek	N/A
Supply volta	age	Anbou	Patek	Antoren	And	Anbotek		_
Location				IEC in IE	60990 or Fau C 60990 clau	Decified in 6.1 of It Condition No Ise 6.2.2.1 xcept for 6.2.2		ch current (mA)

Supplementary Information:

Notes:

[1] Supply voltage is the anticipated maximum Touch Voltage

[2] Earthed neutral conductor [Voltage differences less than 1% or more]

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[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.

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[5] (*) IEC60990, sub-clause 6.2.2.2 is not applicable if switch or disconnect device (e.g., appliance coupler) provided.

6.2.2	Table: Electrical	power sources	(PS) measurements for	or classification	potek P p
Source	Description	Measurement	Max Power after 3 s	Max Power after 5 s* ⁾	PS Classification
W NO	tek Anboten	Power (W) :	0.059	0.59	otek Anbor
Battery Cel	ll Normal	V _A (V) :	3.7 Moore	3.7	hotek PS1 Anbote
	nbo tek nbo	I _A (A) :	0.016	0.016	abotek Anb
Anboten	Abnormal	Power (W) :	Ann O tek	boten Ounboursek	p. botek p
Battery Cel	ll (U2 pin 2-7	V _A (V) :	A O tek	Anbotek O Anbot	PS1
	short circuit)	I _A (A) :	poten 0 ^{nb} tek	abote ^k 0 Anbote	Anno stek

Supplementary Information:

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

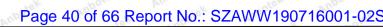
6.2.3.1	Table: Determination	n of Potential Ign	ition Sources (Arc	ing PIS)	N/A N
	Location	Open circuit voltage After 3 s (Vp)	Measured r.m.s current (Irms)	Calculated value (V _P x I _{rms})	Arcing PIS? Yes / No
ootek	Anboth Ann otek	Anbo <u>tek</u> A	por ^{An} note	Anb <u>oten</u> Ar	ip-

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_{ms}) is greater than 15.

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6.2.3.2 Table: Dete	ermination of Potentia	al Ignition Source	ces (Resistive F	PIS) Anthotek	N/A
Circuit Location (x-y)	Operating Condition (Normal / Describe Single Fault)	Measured wattage or VA During first 30 s (W / VA)	Measured wattage or VA After 30 s (W / VA)	Protective Circuit, Regulator, or PTC Operated? Yes / No (Comment)	Resistive PIS? Yes/No
Anborn K An wotek	Anboten Anbo	Lak botek	Arboto.	Ann	porer - p

Supplementary Information:

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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		botek Anbou N/A
Descriptio	on	Values	Energy Source Classification
Lamp typ	e	Anbotek Anbo	—
Manufact	urer:	ak Anbotek Anbote	—
Cat no	Antre Antre Antre Antre	tek nbotek Anboto	—
Pressure	(cold) (MPa):	lek abotek Anbol	MS_
Pressure	(operating) (MPa)	Anbor An botek An	MS_
Operating	g time (minutes)	Anbor An hotek	-
Explosion	n method	Anbore Am Lotek	—
Max parti	cle length escaping enclosure (mm) .:	Anbote Ann atek	MS_M ⁰⁰
Max parti	cle length beyond 1 m (mm)	otek Anboten Anbo	MS_
Overall re	esult	hotek Anbotek Anbo	tek abotek Anboten
Suppleme	entary information:	Anbotek Anbotek An	anbotek Anbotek Anbo

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B.2.5 1	TABLE	: Input te	est	do. 4	otek	Anb	0*	b.r.	- otek	Anboten	Anbo P
U (V)	I ((A) I	rated (A)	P (W)	P ra	ted (V	V) F	-use No	I fuse (A	A) Co	ndition/status
Unit normal w	/ork, p	ower supp	blied by 5V	DC source	e, charg	ge an	empty	battery	And	r of	otek Anbor
Anbotek Anbotek Anbotek	0.1 Anboiet	106	o 0.5	0.53	Ant	Anbotel Anbotel Anbr	k otek nbotek	Anbotek Anbo	Anbo Anbo tek An totek	powe 5V D0 charg batter	normal work, r supplied by C source, le an empty ry. Charging e. Cell current: 6A.
Unit normal w	/ork, s	upplied b	y internal	full batter	y note	K-	Anbot	e ^V	Anbor	pu- ab	otek Anbote
3.7	Anbou		nbotek Anbotek	Anbotek Anbotek Anbotek	Anb Anb tak	otak Inbotek Anbo	, ni tek	Anbotek Anbotek	Anbot Anbot at An	supp full b	normal work, lied by interna attery. arging mode.
Supplemental Equipment ma			d current or	r rated pow	ver or b	oth. B	oth sh	ould be	measured	Anboto	
ootek Anb	oter	Pupe	tek or	boten	Aupole	X	Par	otek	Anborok	Aup	rek opc
B.3	TABLE	: Abnorn	nal operati	ing condit	ion tes	sts	Pur	hotek	Anboth	P	N/A
Ambient temp	peratur	e (°C)		magtek	Þ	nbolo		24.6-	25.2	oter	Pup -
Power source	e for El	JT: Manu	facturer, m	odel/type,	output	rating		See p	age 2 for	details	
Component N		bnormal Condition	Supply voltage,			Fuse no.		use nt, (A)	T-couple	Temp. (°C)	Observation
					-						
Supplementa Test table is p Thermal burn condition for a	orovide injury	ed to reco . Column	"Abnormal	/Fault." Sp	ecify if	test c	onditic	on by in	dicating "A		
otek anbo	tek	Anbor	Pri-	ootek	Anboten		Aupo	Net.	abotek	Anbo	Any Mon
B.4 1	TABLE	E: Fault co	ondition te	ests	Anbo	ter	AUD	rek	abote	r pr	ipote Pane
Ambient temp	peratur	e (°C)	por	Pur.		potek	: P	25.0	K	otek	Anbr
Power source	e for El	JT: Manu	facturer, m	odel/type,	output	rating	9K	Pupor	P.M.	botek	P
Component N		Fault Condition	Supply voltage, (-use no.		ise nt, (A)	T-couple	Temp. (°C)	Observation
Unit normal w	vork, p	ower supp	blied by 5V	DC source	e, char	ge an	empty	battery	,		
U3 pin4-5	0	vercharg e	5Vdc	71	ו		-				Temperature stability and no hazards. Cel current:

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0.012A.



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	Q1 pin2-3	SC	5Vdc	10mins	 		 Unit shut down immediately, protection, no damaged, no hazard.
	R2	SC	5Vdc	10mins	 		 Unit shut down immediately, protection, no damaged, no hazard.
ι	Jnit normal work	, supplied by	/ internal full b	attery			
	Battery	Over- discharge		7h	 		 Temperature stability and no hazards. Cell current: 0.009A.
	Battery B- to P-	SC		10mins	 		 The short circuit current dropped to 0A immediately, no component damage, no high temperature, no fire generation.
	U02 pin8-1	SC		10mins	 		 Unit shut down immediately, protection, no damaged, no hazard.
	R3	SC		10mins	 		 Unit shut down immediately, protection, no damaged, no hazard.
	C12	SC	 oo ^{tek} An ^b	10mins	 	Anbol	 Unit shut down immediately, protection, no damaged, no hazard.

ek Anbote And tek abotek

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Annex M	TABLE: Batte	eries Made						oten	Anbo P
The tests of	Annex M are	applicable	only when app	propriate b	attery data	is not ava	ailable	nbotek	PUP
ls it possible	e to install the l	pattery in a	reverse polari	ity positior	1?	And	No	abotek	Aupor
	Non-rechargeable batteries				Rechargeable batteries				
	Discharging Un- Charging		Disch	Discharging		Reversed charging			
	Meas. current	Manuf. Specs.	intentional charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.
Max. curren during norm condition	- AV	otek - Anb	nbotek An	78mA	110mA	16mA	110mA	hbotek Anbotek	Anboto
Max. curren during fault condition	t jotek	Anbotek	Anbur An so tek	79mA	110mA	21mA	110mA	Anbot	polek
Test results	: A A A A A A A A A A A A A A A A A A A	× nib'	oten Anb.		notek	Anbow	A.V.	K	Verdict
- Chemical I	leaks	otek A	nboten An	polo rek	Antobotek	Anbo	No leak	age	Phote
- Explosion	of the battery	.botek	Anbotek	Anbou	Anbot	ok Ar	No expl	osion	K Panh
- Emission d	of flame or exp	ulsion of m	olten metal	Aupo	ek An	potek	No flam	e	otek P
Electric str	ength tests of	equipment	after completi	on of tests	otek	Anbotek	Anuor	ex pr	boteP
Supplement	tary informatio	n: Aupo	stek Anbor	potek An	Anbotek	Anbotek	e ^k A ^{nbo}	botek	Anbotek

Annex M.4	Table: Add batteries	litional safeguards for equ	ipment conta	ining secondar	y lithium	Ambore PAmbo
	ry/Cell	Test conditions		Measurements		Observation
N	lo.		U	I (A)	Temp (C)	
302	2323	Normal operation	3.7	0.078	28.6	Normal working
302	2323	Abnormal (U2 pin 2-7 short circuit)	Anbolo	knbote ^k 0 An	28.4	Normal working
302	2323	Normal after drop tested	3.69	0.078	28.5	Normal working
302	2323	Abnormal (U2 pin 2-7 short circuit) after drop	Anboten	N°0	28.3	Normal working

Supplementary Information:

Battery identification	Charging at T _{lowest} (°C)	Observation	Charging at T _{highest} (°C)	Observation
302323	0 101	Charger current: 0A	70,000	Charger current: 0A

Supplementary Information:

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tested

Annex Q.1	TABLE: Circuits inte	nded for interco	onnection with	building wirir	ig (LPS)	N/A
Note: Meas	ured UOC (V) with all lo	ad circuits disco	nnected:	Net	abotek Anbol	K PUN
Output	Components	U _{oc} (V)	I _{sc} (A	A)	S (\	/A)
Circuit			Meas.	Limit	Meas.	Limit
Anbu	Anbotak Anbo	Any not	k -nbotek	Aupor tek	Al. abotek	Anboten
Ano	tek Antostek Ar	bote Am	otek Anbote	-Aupon	tek nbotek	Arboton
Supplement	tary Information:	Aupor As	hotek Anb	oten Aupo	tek abot	sk Aupoi

SC=Short circuit, OC=Open circuit

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T.2, T.3, T T.4, T.5	ABLE: Steady for	rce test	ek Anbotek	Anbotek	Anbore Per
Part/Locatio	n Material	Thickness (mm)	Force (N)	Test Duration (sec)	Observation
Complete EL enclosure	JT Plastic mate	erial Min. 1.6	100	Anbotek 58 Anbot	No energy source exceed class 1 can be accessed
Anbore	y information:	Anbotek Anbotek	Anbotek Anbotek	Anbotek Ant	P

Т.6, Т.9	TAB	LE: Impact tests	nbotek	Anboro Ano	botek Anbotek	Anbor	N/A
Part/Loca	tion	Material	Thickness (mm)	Vertical distance (mm)	Ob	servation	
Anboro	N.	kni knbr	lek -Aupo	K botek	Anbote, Ar	tek an	potek
Supplement	tary inf	ormation:	abotek Anbor	Annotek	Anboter	And	botek

T.7 1	TABLE: Drop tests			Anbor ok notek Anbore P An
Part/Locatio	n Material	Thickness (mm)	Drop Height (mm)	Observation
Complete El	UT Plastic material	Min. 1.6	1 000 mm	No energy source exceed class 1 can be accessed

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Part/Location	Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observation
Enclosure	Plastic material	Min. 1.6	70	Anbotek Anbotek	No energy source exceed class 1 can be accessed
Supplementary in	formation:	stek sat	otek Anbor	K Lotek	Anboten Anu

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Clause Requirement + Test	Ann hotek Anbotek	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/Ac:2015

No.4	Anto CENE	LEC COM	MON MODI	FICATIONS	mbo
Clause	Requirement + Test			Result - Remark	Verdict
General	to those in IEC 62368 Attention is drawn to t	-1:2014 are he possibil	e prefixed "Z" ity that some	of the elements of this	Anbot Anbot
	document may be the not be held responsib			. CENELEC [and/or CEN] sha all such patent rights.	nbolek
				of the Safety Objectives for Certain Voltage Limits (LVD -	Anbotek Anbot
				nusic player addressed by the irds against acoustic energy	hbolek An
				ctives other than those agains requirements from those	Anbotek Anbotek Anbot
Contents	Add the following anr	nexes:	P	Anboten Anbo	note ^K P
	Annex ZA (normative) Norma with th	eir correspor	es to international publication nding European publications	S Anbotek Anbotek
	Annex ZB (normative	otek An	l national coi	nditions	Anbote
	Annex ZC (informativ	nboundk			potek I
	Annex ZD (informativ	e) IEC an	d CENELEC	code designations for flexible	+otek

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		National Dif	ferences			
Clause	Requirement + Tes	st And hotek	Anbotel	Result - Remark	abotek	Verdi
Anou	W wotek	inpoter Ann rel	4	otek Anbour	Put	20

NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR CORRESPONDING EUROPEAN PUBLICATIONS

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Anboro h	Anbotek Anbotek	National Differences	Anboten Anbo	Anbotek
Clause	Requirement + Test	Am abotek Anbotek	Result - Remark	Verdict

nbotek

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	ZB ANNEX (normative SPECIAL NATIONAL COND		
Clause	Requirement + Test	Result - Remark	Verdict
2014			ap ^e
4.1.15	Denmark, Finland, Norway and Sweden	K sbotek Anbou	N/A
	K unboten And And Anbotek Anbote	Ant tek abol	Anbo
	To the end of the subclause the following is	otsk Anbor An	stek subote
	added:	tek aboten An	po pr
	tek anbote Ant tek botek	Anbor All stek	Ante Ant
	Class I pluggable equipment type A	aboten Anbo	hotek (
	intended for connection to other equipment or	Ar sotek Anboter	And
	a network shall, if safety relies on connection	A THE	Anboro
	to reliable earthing or if surge suppressors are	Anbotek Anboten	K potek
	connected between the network terminals and	101	Printe
	accessible parts, have a marking stating that	U pe	otek Anbor
		Hotek Anbou An	otek ab
	the equipment shall be connected to an	tek abotek	AUDO K
	earthed mains socket-outlet.	Inpo. All Alex	Anboten P
	Allo ak notek Anbou An tek	aboten Anbu	botek
	The marking text in the applicable countries	An otek Anboten	ANO
	shall be as follows:	Anbo k hote	K Anbore
	Ant tek potek Anbor A.	tek Anbote, Anb	wek botel
	In Denmark : "Apparatets stikprop skal	K sotek Anb	ore Nur
	tilsluttes en stikkontakt med jord som giver	nbore Anu tak	-botek Anbr
	forbindelse til stikproppens jord."	hotek Anbolo P	lek.
	Anboten Anbo	Ant tek abotek	Anbo
	In Finland : "Laite on liitettävä	Anbotek Anbotek	A
	suojakoskettimilla varustettuun pistorasiaan"	aboten Anbo	Anbotek
		An otek Anbote	And
	In Norway : "Apparatet må tilkoples jordet	ter Anbo	stek Anbore
		notek Anbote, Anu	10 × 10
	stikkontakt"	not hotek A	nboto Ant
	tek nboten Anbo h votek	Anbote Anu tak	Notek Al
	In Sweden: "Apparaten skall anslutas till jorda	at hotek Anbou	All
	uttag"	Am tek aboten	AUDO
Anbo	Ant otek Anbote Ant ook potek	Anbor An otek	npoter
.7.3	United Kingdom	tel anboten Anbo	N/A
wo!	ek Anbore Ane tek totek Anbo	K protek pabo	ter Ano
	To the end of the subclause the following is	poter And	notek Anbo
	added:	wotek Anbote A	N.K.
	potek Anbor Att atek Anboten	Allo wat notek	Anbol An
	The torque test is performed using a socket-	Anbote, And ack	botek
	outlet complying with BS 1363, and the plug	hotek Anbote	An
	1-0 ⁻¹	Any rek potek	Aupor
	part shall be assessed to the relevant clauses	ek Anbou And	ek abotek
nen Anbot	of BS 1363. Also see Annex G.4.2 of this	ver yes	Prin

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		National Differences	Anbore Ant hotek	Anbotek
Clause	Requirement + Test	Anbotek Anbotek	Result - Remark	Verdict

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Clause	Requirement + Test	Result - Remark	Verdict
Anbotek	annex Model Model Model	Anbotek Anbotek	Anbotek
5.2.2.2	Denmark	ek Anbotek Anbo	N/A
	ek Anbour Ann otek Anboten Anbo	ak notek Anbote	Pur
	After the 2nd paragraph add the following:	pote Ant tek abot	ek Ant
	bor Anu sotek Anbote, Anu sek	abotek Anbor An	tek
	A warning (marking safeguard) for high touch	All stek suboten An	p v
	current is required if the touch current	Anbo A. Lotek	phbote.
	exceeds the limits of 3.5 mA a.c. or 10 mA d.c.	Anboten Anbo	botek
	Anboy Antek Anbote Ante	K hotek Anbore	PULL
5.4.11.1	Finland and Sweden	Ann tek abotek	N/A
And	ak notek Anbots Ann tek	potek Anbo, An	IN/A
Annex G	To the end of the subclause the following is	otek Anboten Anbo	e V
	added:	Anbo ok hotek Ant	porce I
		Anbotek Anbote An	botek
	For separation of the telecommunication	abotek Anbor	Anbotek
	network from earth the following is applicable:	k Anbotek Anbotek	Anbo
		en Anbo k hotek	Anboto
	If this insulation is solid, including insulation	otek Anbote Anu	14
	10 N.Y. 10 NY	tek abotek Anbot	Pri
	forming part of a component, it shall at least	unbour All otek int	over p
	consist of either	anboten Anbo	notek
	a two lowers of this about material, each of	wotek Anbote	AND Nek
	• two layers of thin sheet material, each of	And tek abotek	Anbor
	which shall pass the electric strength test	ak Anbour All otek	nbote
	below, or	tek nbotek Anbo	L PL
	olek Anboto Ann tek spotek Ant	k sotek Anbote	PUD
	one layer having a distance through	nboten And	olek P
	insulation of at least 0.4 mm, which shall	botek Anboto Ant	tek
	pass the electric strength test below.	Am tek abotek P	3000 K
	hotek Anboto Ann tek potek	Anbor An Artek	Anboten
	If this insulation forms part of a semiconductor	Anboten Anbo	botek
	component (e.g. an optocoupler), there is no	ok potek Anboto	Aur
	distance through insulation requirement for the	oto Antitek obotel	Aupo
	insulation consisting of an insulating	abotek Anbou Am	184 21
	compound completely filling the casing, so that	otek Anboten Anbi	walk pr
	clearances and creepage distances do not	Anbo A notek A	npote
	exist, if the component passes the electric	abote And	notek

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Anbor	All Anbotek	National Differences	Anbore Ane botek	Anbotek
Clause	Requirement + Test	k hotek anbotel	Result - Remark	Verdict

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p. Is	SPECIAL NATIONAL CONDI	A A A A A A A A A A A A A A A A A A A	CIO ^{LEC 1}
Clause	Requirement + Test	Result - Remark	Verdict
	compliance clause below and in addition	An. tek nbotek	kupo
	hotek Anbole Ant stek anbotel	Anbo K Notek	Anbote.
	 passes the tests and inspection criteria 	yek Anboten Anbo	bol
	of 5.4.8 with an electric strength test of	ak hotek Anbore	Aur
	1.5 kV multiplied by 1.6 (the electric	poter Ant tek pot	ex Au
	strength test of 5.4.9 shall be performed	abotek Anbor An	Lek.
	using 1.5 kV), and	Attractek Anboten Ant	a k
	hotek Anbola Anto tek potek	Anbor A. Lotek	anboten
	is subject to routine testing for electric	Anboten Anbo	botek
	strength during manufacturing, using a	K botek Anbote	Pan
	test voltage of 1.5 kV.	to Anu tek sbotek	Anbo.
	And	hotek Anbour An	14
	It is permitted to bridge this insulation with a	otek snbotek Anbor	-Ve
	capacitor complying with EN 60384-14:2005,	Anbor A antek Ant	oter
	subclass Y2.	Anboten Anbo	hotek
	SubcidSS 12.	hotek Anbote	int iek
	A separation alongitiant X/2 according to EN	And tek botek	Aupor
	A capacitor classified Y3 according to EN	ek Anbore An	nboth
	60384-14:2005, may bridge this insulation	tek nbotek Anbo	e por
	under the following conditions:	tor All sotek Anbote	Ant
ote, pu	tek ubotek Anbor An otek	inboten Anbo	otex
	the insulation requirements are satisfied	hotek Anbote Ant	Nge
	by having a capacitor classified Y3 as	Ant tek obotek A	nbo-
	defined by EN 60384-14, which in	Anbor All otek	npoten
	addition to the Y3 testing, is tested with	ek anboten Anbo	m. note
	an impulse test of 2.5 kV defined in	k sotek Anbote	AUD
	5.4.11;	opter And tak tootel	Anb
tek Ant	o And stek photen And	hotek Anbors An	1ex
5.4.11.1	poter Anbo ok botek Anbore	pint atek anbotek Anbi	N/A
And	 the additional testing shall be performed 	Anbo, An otek	opoter
Annex G	on all the test specimens as described in	Anboten Anbo Ak	botek
(cont'd)	EN 60384-14;	botek Anbote	Ann
Ant	K suboten Anbo Anborr	Ant tek sbotek	Aupor
	the impulse test of 2.5 kV is to be performed	ptek Anbou Att	ab
	before the endurance test in EN 60384-14, in	stek anbotek Anbo	W. Pr
	the sequence of tests as described in EN	photo k notek nabo	to. P
	60384-14.	Anboten Anbo Ak	botek
	Anbou An otek suboten Anbou K	notek Anbote A	Hay
5.5.2.1	Norway	An ^D	anbor

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Anbou	An Anbotek Anbotek	National Differences	Anbotek Anu botek	Anbotek
Clause	Requirement + Test	And wotek Anbotel	Result - Remark	Verdict

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potek p	ZB ANNEX (normative) SPECIAL NATIONAL CONDI		Anbore An
Clause	Requirement + Test	Result - Remark	Verdict
	After the 3rd paragraph the following is added:	Anthotek Anbotek	tek Anbotek
	Due to the IT power system used, capacitors are required to be rated for the applicable line-	potek Anbotek Ar	boten Anbo
obotek p	to-line voltage (230 V).	Anbotek Anbotek	Anbotek
5.5.6	Finland, Norway and Sweden	Ante Anbotek Anbotek	N/A
	To the end of the subclause the following is added:	otek Anbotek Anbotek An	botek Anbote
	Resistors used as basic safeguard or bridging basic insulation in class I	Anbotek Anbotek	Anbotek I
	pluggable equipment type A shall comply with G.10.1 and the test of G.10.2.	Anbotek Anbotek	Anboten ek anbotek
Anboter	Anber dek anbotek Anbote Ant	ek Anbotek Anbo	pt. pote
.6.1 Anbo	Denmark Add to the end of the subclause	potek Anbotek An	N/A
	Due to many existing installations where the socket-outlets can be protected with fuses with	Anbotek Anbotek	Anbole, P
	higher rating than the rating of the socket- outlets the protection for pluggable equipment	Anbotek Anbotek Anbote	Anbotek
	type A shall be an integral part of the equipment.	obtek Anbotek Ant	nbotek Anb
	Justification:	Anbotek Anbotek	Anbolek A
	In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	Anbotek Anboten	k Anbotek
.6.4.2.1	Ireland and United Kingdom	otek Anbotek Anb	N/A
	5.6.4.2.1 After the indent for pluggable equipment type A, the following is added:	abotek Anbotek A	Anbotak Al
	- the protective current rating is taken to be	Anbotek Anbotek	Anbotek
anbotek	13 A, this being the largest rating of fuse used	k anbotek Anbote	And

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Anbortek	An abotek Anboten	National Differences	Anbore And And	Anbotek
Clause	Requirement + Test	And otek Anbotek	Result - Remark	Verdict

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Clause	Requirement + Test	Result - Remark	Verdict
Anbotek	in the mains plug.	Antootek Antootek Antootek	Anbotek
5.6.5.1	To the second paragraph the following is added:	lek Anbotek Anbo	N/A
	added. Anbotek Anbotek Anbotek An	potek Anbore An-	at p
	The range of conductor sizes of flexible cords	Anbotek Anbo Ar	ptek
	to be accepted by terminals for equipment with a rated current over 10 A and	Anbotek Anu abotek	nbotek
	up to and including 13 A is:	Anbour Ann Annotek	Anbotek
	1.25 mm ² to 1.5 mm ² in cross-sectional area.	an Anbo hotek Anbotek	Anbo
stek an	outek Anbotek Anbotek Anbotek An	tek anbotek Anbote	A PL
5.7.5	Denmark	Anbor Anbotek Anb	N/A
	-nbotek Anbotek Anbotek Anbotek	Anbor dek Anbotek	nboter
	To the end of the subclause the following is added:	k Anbolek Anbolek	Anbote.
	The installation instruction shall be affixed to	otek Anboten Anbo	A AN
otek An	the equipment if the protective conductor	mbotek Anbote And	Le ^K
	current exceeds the limits of 3.5 mA a.c. or 10 mA d.c.	Anbotek Anboto And	botek
Anboten	Anbor A. nbotek Anbote Anu notek	Anbotek Anbor A	botek
5.7.6.1	Norway and Sweden	Anbotek Anbor	N/A
	To the end of the subclause the following is	otek Anbotek Anbo	An
	added:	nbotek Anboten Anbo	tek h
	The screen of the television distribution	Anbotek Anbot Air	potek
	system is normally not earthed at the entrance of the building and there is normally no	Anbotek Anbo A	Anbotek
	equipotential bonding system within the	Anbote Ano abotek	Anbote
	building. Therefore the protective earthing of	otek Anbout An	Ant
	the building installation needs to be isolated from the screen of a cable distribution system.	nbotek Anbo A. Anbo	1 May
	notek Anbotek Anbot Anbotek	Anboten Anbo h	potek
	It is however accepted to provide the insulation external to the equipment by an	Anbote Ano	Anbotek
	adapter or an interconnection cable with	Anbore Ant tek	bote

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Anboutek	Annobotek Anboten	National Differences	Anbore Ane botek	Anbotek
Clause	Requirement + Test	Anbotek Anbotek	Result - Remark	Verdict

use	Requirement + Test	Result - Remark Verd	ct
otek	galvanic isolator, which may be provided by a	Ann tek nbotek (nbot	
	retailer, for example.	Anboy Anboy	0.1
	And stek spotek Anbor A	ek Anboten Anu tek	bote
	The user manual shall then have the following	lek botek Anbour An	
	or similar information in Norwegian and	pote Ant tek abotet	Aup
	Swedish language respectively, depending on	abotek Anbor An otek	
	in what country the equipment is intended to	Annotek Anboten Anb	
	be used in:	Anbo A hotek Anbote.	25.00
	Ann tek nbotek Anbor k sotek	Anbote: Ano tek abot	34
	Anbor An otek Anboten Anbo	K hotek Anbore An	Kel
7.6.1	"Apparatus connected to the protective	N/A	101
ont'd)	earthing of the building installation through the	poten Anbor An IN/F	anbo
Ant an	mains connection or through other apparatus	otek Anboten Anbo	
	with a connection to protective earthing – and	Anber ok hotek Anbere	1
	to a television distribution system using	Anbote And tek abotek	
	coaxial cable, may in some circumstances	botek Anbour Au	N.
	create a fire hazard. Connection to a television	Ann tek potek Anbo	
	191	k Anbor k sotek Ant	ote
	distribution system therefore has to be	otek Anboten Anbe	in p
	provided through a device providing electrical	ok hotek Anbote	YUN
	isolation below a certain frequency range	inbote And rek abotek	ps
	(galvanic isolator, see EN 60728-11)"	abotek Anbor An atek	
	And	All tek pootek Allo	
	NOTE In Norway, due to regulation for CATV- installations, and in Sweden, a galvanic isolator shall	Anbor k Anbotek Anbote	20
	provide electrical insulation below 5 MHz. The insulation	K Anboten Anos lok	otel
	shall withstand a dielectric strength of 1.5 kV r.m.s., 50	ak hotek Anbore And	
	Hz or 60 Hz, for 1 min.	ote Anu lek botek	upo,
	k sotek anbote And sek	abotek Anbors An	n d
	Translation to Norwegian (the Swedish text	stek sphoten Anbo	P
	will also be accepted in Norway):	Anbor & notek Anooter	
	And tek abotek Anbor An otek	Anboten Anbo	14
	"Apparater som er koplet til beskyttelsesjord	hotek Anbote Anv	ke V
	via nettplugg og/eller via annet jordtilkoplet	Ant tek stotek Anb	2
	utstyr – og er tilkoplet et koaksialbasert kabel-	tek Anbor Antek	abott
	TV nett, kan forårsake brannfare. For å unngå	tek nootek Anbor A	
	dette skal det ved tilkopling av apparater til	nbor An otek nnboten	PW
	kabel-TV nett installeres en galvanisk isolator	anboten Anbu A. Jotek	
	mellom apparatet og kabel-TV nettet."	hotek anbote Ano	
	Interiorit apparater og kaber i v hetter.	Anot k sotek unbote	

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		National Differences		Anbotek
Clause	Requirement + Test	K Anborek Anbotel	Result - Remark	Verdict

Clause	Requirement + Test	Result - Remark	Verdict
Anbotek	Translation to Swedish:	Anbotek Anbotek	Anbotek
	"Apparater som är kopplad till skyddsjord via	tek nbotek Anbort	Print
	jordat vägguttag och/eller via annan utrustning	Ar hotek Anboter	AUD
	och samtidigt är kopplad till kabel-TV nät kan i	pote, Anu tek abote	e pi
	vissa fall medfőra risk főr brand. Főr att	nbotek Anbor An	tek
	undvika detta skall vid anslutning av	An hotek Anboten Ant	No.
	apparaten till kabel-TV nät galvanisk isolator	And tek abotek	abot
	finnas mellan apparaten och kabel-TV nätet.".	Anbotek Anbotek	Anboten
5.7.6.2	Denmark	ak hotek Anbolen	N/A
	tek Anbolen Anbo ek bolek Ar	bote Ant stek abote	P.O.
	To the end of the subclause the following is	photen Anbor A"	10K
	added:	botek Anbote And	Netek
	Anboten Anbo lek botek Anbote	Ame dek photek A	nbor K
	The warning (marking safeguard) for high	Anbor At hotek	Anbote
	touch current is required if the touch current or	ek Anbote Ant	obot
	the protective current exceed the limits of 3.5	stek subotek Anbo	por
	mA . And	to k hotek Anbote	PU
or pr	Itsland and United Kingdom	anbote Anu ster and	Let.
B.3.1 and B.4	Ireland and United Kingdom	Anbotek Anbot At	N/A
D.4 photek	The following is applicable:	botek Anbote A	Netek
	The following is applicable.	Atte atek anbotek	Aupo
	To protect against excessive currents and	en Anbo lek botek	Anbore
	short-circuits in the primary circuit of direct	otek Anbore Ann stek	a nh
	plug-in equipment, tests according to	otek Anboten Anbo	ext.
	Annexes B.3.1 and B.4 shall be conducted	Ando Lak botek Anbo	1
	using an external miniature circuit breaker	Anbore Ant otek	poten
	complying with EN 60898-1, Type B, rated	Anboten Anbo Ak	hotek
	32A.	Anbotek Anboten etek	Ann
	at Anboten Anbo ek abotek Anbot	Anbotek Anbotek Anbotek	Aupor
	If the equipment does not pass these tests,	poter Anbo Ak notek	Anb
		botek Anbote And	34
	as an integral part of the direct plug-in	atek abotek Anbo	P
	equipment, until the requirements of Annexes	Anbor An notek An	poter
	B.3.1 and B.4 are met.	Anboter Anbo lek	abotek
	and A hoter And	rek about	An

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		National Differences		Anbotek
Clause	Requirement + Test	K hotek Anbotel	Result - Remark	Verdict

ause	Requirement + Test	abotek Anbox	Result - Remark	Verdict
4.2	Denmark	notek Anboten	And tek abotek	N/A
	hotek Anbore		Anbor An	k anboten
	To the end of the subcla	ause the following is	tek unboten Anbo	well moto
	added:		ak hotek Anb	ore. Ano
	stek subotek Anbo		poter And tek	abotek Ant
	Supply cords of single p	hase appliances	abotek Anbor	tek.
	having a rated current n	ot exceeding 13 A	All stek suboten	Anbotto
	shall be provided with a		Anbo K hotek	anboto.
	60884-2-D1:2011.	Anbor K sotel	Anbote. Ano	6 botek
	Anbor An Altek		ak botek Anbore	Pitt
	CLASS I EQUIPMENT	orovided with socket-	An tek ob	ster Anbo
	outlets with earth contact		botek Anbor A	notek anbr
	intended to be used in lo		otek unboten A	Nor
	protection against indire		And we hotek	Anboro
	according to the wiring r	- 3P	Anbore An atek	aboten
	with a plug in accordance		abotek Anbo	P
	DK 2-1a or DK 2-5a.	aboten Anbo	k notek Anbote	And
	And the state of t		kin And wak the	tek Anbore
	If a single-phase equipn	nent having a RATED	votek Anbour An	stek spp
4	CURRENT exceeding 1	No los	tek spotek A	upo. A.
	equipment is provided w		knbor An otek	Anbole" P
	a plug, this plug shall be		Anbotek Anboten	botek
	the standard sheets DK		botek Anboto	Antek
	D1 or EN 60309-2.	0 10 11 20 0000 12	And stek photek	Anbor
	Mains socket outlets inte	ended for providing	ter Anbor An	tek anbote
	power to Class II appara	20 C C C C C C C C C C C C C C C C C C C	stek Anboten Anbo	100
	current of 2.5 A shall be		ok botek Al	por por
	60884-2-D1:2011 stand		enbore And dek	Anbolek An
	Other current rating soc		Anbotek Anboter	P. otek
	compliance with Standa		A. sotek Anbote.	ACO
	DKA 1-1c.		And lok botek	Anbore
	Mains socket-outlets wit	th carth shall be in	el Anbore Ant	ek abotek
	compliance with DS 600	001 2 01.2011	181	V LO
	Standard Sheet DK 1-3a	D = 2 - D =	p pit otek pr	poter Anbo
	DK 1 50 or DK 1 70	a, DR 1-10, DR 1-10,	shboten Anbu Ak	Hotek AN
	DK 1-5a 01 DK 1-7a.		hotek Anbote	Ann
	Justification:	anon Conting Control	Any tek abotek	Anbor
	Heavy Current Regulation	UNS, SECTION 6C	Anbor Alle	noten

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Anbort	An abotek Anboten	National Differences	Anbots And And	Anbotek
Clause	Requirement + Test	k hotek anbotek	Result - Remark	Verdict

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Clause	Requirement + Test	Result - Remark	Verdic
G.4.2	United Kingdom	Anbotek Anbotek	N/A
nbotel	To the end of the subclause the following is	ek sbotek Anbote.	Anu
	added:	anbo	ten Anb.
	blek Anbolek Anbor ek bolek A	npoter Anno otek	potek A
	The plug part of direct plug-in equipment shall	Anbotek Anbor A	botek
	be assessed to BS 1363: Part 1, 12.1, 12.2,	abotek Anbote	Annotek
	12.3, 12.9, 12.11, 12.12, 12.13, 12.16, and	An hotek Anbotek	Pupp
	12.17, except that the test of 12.17 is	And tek abotek	Anbor
	performed at not less than 125 °C. Where the metal earth pin is replaced by an Insulated	stek Anbor Ar hot	ek Anbo
	Shutter Opening Device (ISOD), the	botek Anbote Ano	stell of
	requirements of clauses 22.2 and 23 also	sotek Anboten An	bo hak
	apply.	And stek nbotek	Anbore
	abotek Anbote Ant otek Anbotek	Anbo lok botek	Anboten
G.7.1	United Kingdom	Anbout K An wotek	N/A
	Ante stek subotek Anbor Ak bo	tek Anboten Anbo	ek abo
	To the first paragraph the following is added:	otek Nnbotek Anbo	Por Por
	Equipment which is fitted with a flexible cable	tek spotek An	poto Ar
	or cord and is designed to be connected to a	inbor An hotek	Anbolen
	mains socket conforming to BS 1363 by	Anbotek Anbote.	hotek
	means of that flexible cable or cord shall be	Anboten Anbo	hotek
	fitted with a 'standard plug' in accordance with	ek obotek Anbor	K wot
	the Plugs and Sockets etc (Safety)	ak botek Anbot	Aup
	Regulations 1994, Statutory Instrument 1994	poto Ann otek Ant	otek An
	No. 1768, unless exempted by those	unboten Anbo tek	Anbotek
	regulations.	nbotek Anbor	otek
	NOTE "Standard plug" is defined in SI	h abotek Anbote	Annotek
	NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an	All hotek Anbotek	Anbo
	approved plug conforming to BS 1363 or an	Anu otek obote	k Aupon
	approved conversion plug.	poten Anbor Ar	otek Ant
stek Ant	All wotek Anboit All	hoten Anbo M	Hate W
G.7.1	Ireland Mulak Madek Madek	Anbotek Anboten A	N/A
	To the first percaraph the following is added.	Ant otek subotek	Anbo
	To the first paragraph the following is added:	Anbu A. Atek	nboter

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Anbors	Annobotek Anboten	National Differences	Anbotek And hotek	Anbotek
Clause	Requirement + Test	Anboutek Anbotel	Result - Remark	Verdict

Clause	Requirement + Test	Result - Remark	Verdict
Anbotek	Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in accordance with Statutory Instrument 525:	ek Anbotek Anbotek	Anbotek
	1997, "13 A Plugs and Conversion Adapters	ek sbotek Anbote	Anu
	for Domestic Use Regulations: 1997. S.I. 525 provides for the recognition of a standard of	Anbotek Anbotek Anbotek	er Ar
	another Member State which is equivalent to	An hotek Anboten An	, lek
	the relevant Irish Standard.	ek Anbotek Anbotek	Anbotek
G.7.2	Ireland and United Kingdom	Jotek Anbotek Anbotek	N/A
	To the first paragraph the following is added:	Antotek Anbotek Anbot	atek An
	A power supply cord with a conductor of 1.25	A. stek subote. Ant	

potek P	nbotek Anbo A.	C ANNEX (informati	ve) tek Anbotek Anbo	otek Al
notek	Anbote And tek	A – DEVIATIONS	All anboten An	,po
Clause	Requirement + Test		Result - Remark	Verdict

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Anbortek	Annotek Anboten	National Differences	Anbore Ant Ant	Anbotek
Clause	Requirement + Test	And otek Anbotek	Result - Remark	Verdict

	ZC ANNEX (informativ	ve) ^{ten} Andra Andr	otek Arboi
Clause	A – DEVIATIONS Requirement + Test	Result - Remark	Verdict
10.5.2	Germany	Anboten Anboten	N/A
10,0.2	K Anbote Anbo ak notek Anbote	Ant tek obotek	Anbo
	The following requirement applies:	otek Anbor Antonie	k Anbotan
	Alle Alle Alle Alle Alle	otek Anboten Anbo	in your
	For the operation of any cathode ray tube	not hotek Anb	ore An
	intended for the display of visual images	Anbote Ant tek	abotek Ant
	operating at an acceleration voltage exceeding	abotek Anbor A	atek.
	40 kV, authorization is required, or application		Plabo
	of type approval (Bauartzulassung) and	Anbo ok botek	Anboro
	marking.	tok Anbore And	botek
	And And And And And	tek spotek Anbo	N NOte
	Justification:	hoo k hotek Anbr	Pur Pur
	German ministerial decree against ionizing	Anboten Ano	botek Anb
	radiation (Rötgenverordnung), in force since	abotek Anbore A	stek.
	2002-07-01, implementing the European	All stek suboter	PUD0
	Directive 96/29/EURATOM.	Anbor K hotek	Anbote
	Alter aboten Anbo A bo	ink anbote. And tek	abotek
	NOTE Contact address:	tek abotek Anbor	R. Div
	Physikalisch-Technische Bundesanstalt,	hor An otek nabo	ter Ano
pter pt	Bundesallee 100, D-38116 Braunschweig,	nboten Anbo A.	notek prob
	Tel.: Int+49-531-592-6320, Internet:	botek Anbote Ar	1ek
	http://www.ptb.de	And tek abotek	Pripor P

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Anboutek		National Differences		Anbotek
Clause	Requirement + Test	And otek Anbotek	Result - Remark	Verdict

ZC ANNEX (informativ A – DEVIATIONS	re) Anbotek Anbotek Anbo	
 Requirement + Test	Result - Remark	Verdict
 Italy Market Market	abotek Anboic	N/A
Anbote Any tek potek Anbot	A notek Anboten	AUDO
The following requirements shall be fulfilled:	en Anbo	Anbo
All olek Anbolen Anbo	otek Anbole Ant	1
• The power consumption in Watts (W) shall	tek abotek Anbot	. Pr
be indicated on TV receivers and in their	Anbor An otek An	poter
instruction for use (Measurement according to	Anboten Anbo	hotek
EN 60555-2).	hotek Anbote	Plan
anbotek Anbotek Anbotek Anbote	Anto tek obotek	Anbotek
Note/Nota EN 60555-2 has since been	ak Anbour An otek	hupot
replaced by IEC 60107-1:1997.	otek Anboten Anbo	N- F
otek Anbols An otek Anbolen An	of h hotek Anboth	P.O
• TV receivers shall be provided with an	Anbote And tek at	otek
instruction for use, schematic diagrams and	abotek Anbor An	atek
adjustments procedure in Italian language.	All stek suboten	Anbo wek
abotek Anboin An otek Anboten	Anbo isk botek	Anbotek
Marking for controls and terminals shall be	K Anbote Ant	nbot
in Italian language. Abbreviation and	tek nbotek Anbo	Por .
international symbols are allowed provided	k notek Anbote	P.M.
that they are explained in the instruction for	inboten Ano jek job	oter
use.	abotek Anbor An	otek
Anbote Ann tek stotek Anbor	All otek Anboten A	Moo K
• The ECC manufacturers are bound to issue	And tak botek	Anboro
a conformity declaration according to the	k Anbore An	anbott
above requirements in the instruction manual.	tek photek Anbu	K N
The correct statement for conformity to be	K hotek Anbote	PUN
written in the instruction manual, shall be:	nboter Ano	olek I
abo An hotek Anboten Anb	abotek Anbor An	tek
Questo apparecchio è fabbricato nella CEE	An stek anboten A	500 ×
nel rispetto delle disposizioni del D.M. marzo	Anbo Ak notek	Anbote
1992 ed è in particolare conforme alle	Anbote And tek	abote
prescrizioni dell'art. 1 dello stesso D.M.	tek Anbotek Anbote	Pur
tek anbote. And ak botek And	All stek abotek	Anb

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Address: 1/F, Building D, Sogood Science and Technology Park, SanweiCommunity, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86)755-26066440 Fax:(86)755-26014772 Email:service@anbotek.com



Anboursek	An Anboten	National Differences	Anbols Anu hotek	Anbotek
Clause	Requirement + Test	k hotek Anbotek	Result - Remark	Verdict

	ZC ANNEX (informativ	ZC ANNEX (informative)		
20° P	A – DEVIATIONS	Anbour Ann stek Ant	oten	
Clause	Requirement + Test	Result - Remark	Verdict	
1.nbotet	The first importers of TV receivers	botek Anbor	N/A	
	manufactured outside EEC are bound to	An otek suboten	Anbo	
	submit the TV receivers for previous	en Anbo ok hotek	Anboth	
	conformity certification to the Italian Post	notek Anbote Ant	·	
	Ministry (PP.TT). The TV receivers shall have	tek nbotek Anbor	N. Pri-	
	on the backcover the certification number in	Anbor An otek Anb	oter	
	the following form:	Anbotek Anboten Anb	botek	
	Anbor An otek Anboren Anbo	Anbotek Anbotek	n. sek	
	D.M. 26/03/1992 xxxxx/xxxxx/S or T or pT	And otek abotek	Aupor	
	S for stereo	en Anbor An Lotek	Anbote	
	T for Teletext	otek Anboten Anbo	× ×	
	pT for retrofitable teletext	tek sbotek Anbold	Au	
	notek Naboter Ande sek potek	Anbotek Anbotek Anb	ton P	
	Justification:	Anbotek Anboten And	Lotek	
	Ministerial Decree of 26 March 1992 : National	An otek Anboten A	nD	
	rules for television receivers trade.	Anbe tek sbotek	Anbotek	
	An sotek Anboten Anbo tek sbott	k Anbour Ant	nbote	
	NOTE/NOTA: Ministerial decree above	otek subotek Aubo	p	
	contains additional, but not safety relevant	K hotek Anbote	AUN	
	requirements	inbote. Anu tak abc	Let pl	
	Albor k hotek Anboter Anbr	botek Anbour An	otek.	
1.botek	The first importers of TV receivers	All otek Anboton A	N/A	
Anu	manufactured outside EEC are bound to	Anbo wek hotek	Anboro	
	submit the TV receivers for previous	Anboro Ant	abotel	
	conformity certification to the Italian Post	tek abotek Anbo	P	
	Ministry (PP.TT). The TV receivers shall have	A sotek Anboten	Pup	
	on the backcover the certification number in the following form:	nboten Anb	et pi	
	the following form:	Anbotek Anbotek Anbo	det	
	aboter Anb	All otek unboten Al	D ^U	
	D.M. 26/03/1992 xxxxx/xxxxx/S or T or pT	Anbor An wotek	Anboter	
	S for stereo	Anbote: Anbo	potek	
	S for stereo T for Teletext	rek spotek Anbote	Pur	
	pT for retrofitable teletext	An stek sabolek	Anbo	
	tek nbotek Anbote And Lotek	abotek Anbo Au	34 50	

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安博检测

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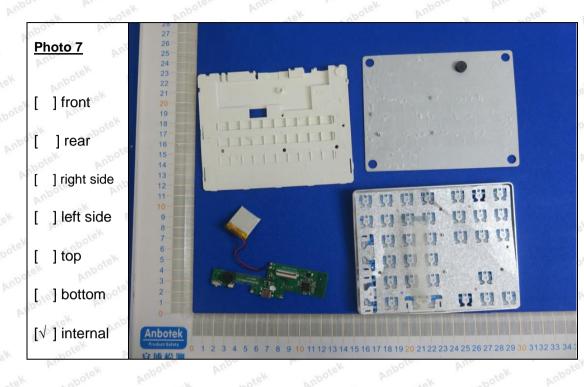


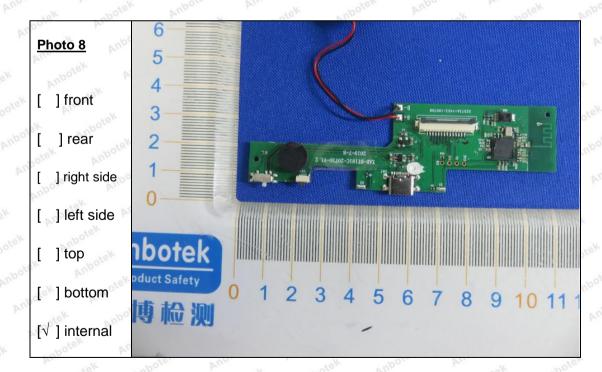
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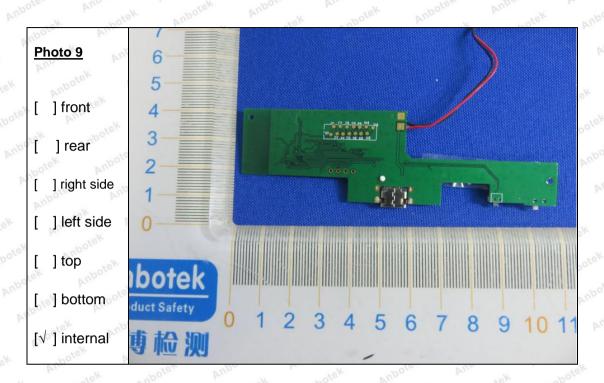




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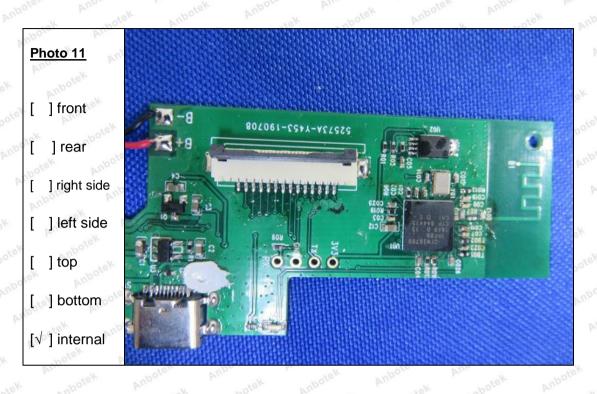
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End of report

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