

Test Report

Client Name : Mid Ocean Brands B.V.

Address 7/F., Kings Tower, 111 King Lam Street, Cheung Sha

Wan, Kowloon, Hong Kong

Product Name : Wireless Charger

Date : Apr. 14, 2022

Shenzhen Anbotek Compliance Laboratory Limited

*Approved**



TEST REPORT IEC 62368-1

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

Report Number.....: 18220WC20068902S

Date of issue Apr. 14, 2022

Total number of pages: 64 pages

Applicant's name: Mid Ocean Brands B.V.

Address 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon,

Hong Kong

Test specification:

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

EN 62368-1:2014 +A11:2017

Test procedure: Type Test

Non-standard test method: N/A

General disclaimer:

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

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Testing procedure and testing location	JI: Aupotek Vupotek Vupotek Vupotek Vupotek
☐ Testing Laboratory:	Shenzhen Anbotek Compliance Laboratory Limited
Testing location/ address:	1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102
Tested by (name + signature)	Andrew Andrew Smile Tian Andrew Andrew
Approved by (name + signature)): Smile Tian









 Test Item description
 :
 Wireless Charger

 Trade Mark
 :
 N/A

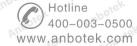
 Manufacturer
 :
 Vendor Code 115745

 Model/Type reference
 :
 MO9652

 Ratings
 :
 Input: 5V=2A

 Output: 5W
 .

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itek Aupo, w. rek spote, b	hope Autore Annote Ann
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
IEC 62368-1:2014EN 62368-1:2014 +A11:2017	Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102
List of countries addressed: EUROPEAN GROUP I	DIFFERENCES AND NATIONAL DIFFERENCES
The product fulfils the requirements of EN 62368-1:	2014 +A11:2017
Statement concerning the uncertainty of the measu	rement systems used for the tests
(may be required by the product standard or client)	ek Anbotek Anbo ak botek Anbote
☐ Internal procedure used for type testing through established:	which traceability of the measuring uncertainty has been
Procedure number, issue date and title:	Anbotek Anbotek Anbotek Anbotek Anbotek
Calculations leading to the reported values are on f	le with the NCB and testing laboratory that conducted
the testing.	Anbotek Anbotek Anbotek Anbotek
☑ Statement not required by the standard used for	type testing



Copy of marking plate:

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

Frequency range 110-205k Hz

Wireless Power: 5W Max

Input: 5V...2A Output: 5V=1A PO: 41-98800

RoHS **©**€

Manufacturer: Vendor Code 115745

CEUK MOB/MO9652 PO BOX 644 6710 BP (NL) Made in China



Note:

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

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



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TEST ITEM PARTICULARS:	
Classification of use by:	 ☑ Ordinary person ☑ Instructed person ☑ Skilled person ☑ Children likely to be present
Supply Connection:	☐ AC Mains ☐ DC Mains ☐ External Circuit - not Mains connected - ☐ ES1 ☐ ES2 ☐ ES3
Supply % Tolerance:	☐ +10%/-10% ☐ +20%/-15% ☐ +25%/-15% ☑ None, (supplied by a 9VDC USB port)
Supply Connection – Type:	□ pluggable equipment type A - □ non-detachable supply cord □ appliance coupler □ direct plug-in □ mating connector □ pluggable equipment type B - □ non-detachable supply cord □ appliance coupler □ permanent connection □ mating connector □ other: Not directly connected to mains
Considered current rating of protective device as part of building or equipment installation	N/A (Not directly connected to mains) Installation location: ☐ building; ☐ equipment ☐ movable ☐ hand-held ☐ transportable
Over voltage category (OVC):	stationary for building-in direct plug-in rack-mounting wall-mounted OVC I OVC II OVC III OVC IV other:(Not directly connected to
Class of equipment:	mains) Class I Class II Class III Class II with functional earthing Not classifed
Access location	☐ restricted access area ☐ N/A
Pollution degree (PD)	□ PD 1 □ PD 3
Manufacturer's specified maxium operating ambient:	40 °C
IP protection class	☑ IP20
Power Systems	☐ TN ☐ TT ☐ IT V _{L-L} ☐ dc mains ☐ N/A
Altitude during operation (m):	
Altitude of test laboratory (m):	☐ 2000 m or less ⊠ <u>500</u> m
Mass of equipment (kg):	☑ approx. 0.031 kg

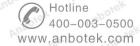
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	MO.
Possible test case verdicts:	Lotek Anbotek Anbo tek Abotek Ant
- test case does not apply to the test object:	N/A nek hotek Antonia
- test object does meet the requirement:	P (Pass)
- test object does not meet the requirement:	F (Fail)
Testing: Anbore Anbore	Take Anbores Andrew Anbores Andrew
Date of receipt of test item	2022-04-01
Date (s) of performance of tests	2022-04-01 to 2022-04-08
General remarks:	Anbotek Anbote Anbote
county in question. 2. The equipment complies with the National Standard 3. According to the EU directives which have been alignmanufacturer and importer's name and address shall be	IECEE 02: Is Labels written in an Accepted or Official Language of the Is and/or Electrical Codes of the country in question. Is gned with EU NLF (new legislative framework), both of the affixed on the product or, where that is not possible, on
its packaging or in a document accompanying the prod When differences exist; they shall be identified in the	The state of the s
Name and address of factory (ies):	Vendor Code 115745
General product information and other remarks:	
Product Description – 1. The Wireless charger supplied by 5VDC USB por 2. The Maximum operating temperature is 40°C Model Differences –	thotek Anbotek
N/A notek Anborek	
Additional application considerations – (Consider	ations used to test a component or sub-assembly) –





ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE:

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

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

Electrically-caused injury (Clause 5):

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

classification)

Example: +5 V dc input ES1

Source of electrical energy				Corresponding classification (ES)				
All internal circuits	Anbore	Ans	ES1	Aupo	botek	Anbore		
USB input	Anbores	Anbo	ES1	Aupor	rotek.	Anbore		

Electrically-caused fire (Clause 6):

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

Example: Battery pack (maximum 85 watts): PS2

Source of power or PIS	Corresponding classification (PS)
USB input	PS1 Anbotes And tek Anbotes A
All Internal circuits	PS1-k mbore And ak borek

Injury caused by hazardous substances (Clause 7)

(Note: Specify hazardous chemicals, whether produces ozone or other chemical construction not addressed as part of the component evaluation.)

Example: Liquid in filled component Glycol

Source of ha	azardous su	ıbstances	h. botek	Corre	sponding chem	ical	Anbo.	γ.
N/A	hotek	Aupo	Di.	N/A	Anbo	hotek	Vupo.	br.

Mechanically-caused injury (Clause 8)

(Note: List moving part(s), fan, special installations, etc. & corresponding MS classification based on Table 35.)

Example: Wall mount unit

MS2

Source of kinetic/mechanical energy	Corresponding classification (MS)	10 m
Sharp edges and corners of accessible parts	MS1 Arboard Arboard Arboard	VUR
Product mass	MS1	VIL

Thermal burn injury (Clause 9)

(Note: Identify the surface or support, and corresponding energy source classification based on type of part, location, operating temperature and contact time in Table 38.)

Example: Hand-held scanner – thermoplastic enclosure TS1

Source of thermal energy				Corresponding classification (TS)				
Accessible parts	Anbo	abotek	Vupo,	TS1	Loiek	Anboren	Anbo	

Radiation (Clause 10)

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

Example: DVD – Class 1 Laser Product

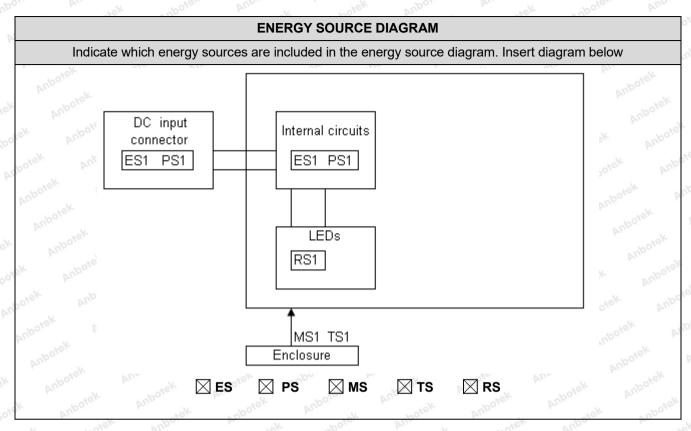
RS1

Туре	of radiation	Anbo.	F	hotek	Anbore.	Corres	ponding	classification	on (RS)	P	hotel	t
LED	abotek	Anbore	N .	. otek	Anboter	RS1	.e.K	abotek	Vupor	V	Du.	rel

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OVERVIEW OF EMPLOYED SAFEGUARDS Clause **Possible Hazard** 5.1 Electrically-caused injury **Body Part Energy Source** Safeguards (e.g. Ordinary) (ES3: Primary Filter Reinforced Basic Supplementary circuit) (Enclosure) Ordinary person, ES1: All Internal circuits N/A N/A N/A Skilled person ES1: USB input 6.1 Electrically-caused fire Material part **Energy Source** Safeguards (e.g. mouse enclosure) (PS2: 100 Watt circuit) Basic Supplementary Reinforced For "N" and For "S" Internal combustible PS1: All Internal circuits N/A "A" conditions: condition: material/internal plastic PS1: USB input enclosure 1. No ignition 1. PCB is occurred. complied with V-0 material. 2, No parts exceeding 2, All other 90% of its components: at spontaneous least V-2 except ignition for mounted on temperature. min. V-1 material or small parts of combustible material. 7.1 Injury caused by hazardous substances **Body Part Energy Source** Safeguards (e.g., skilled) (hazardous material) Basic Supplementary Reinforced N/A N/A N/A N/A N/A 8.1 Mechanically-caused injury **Body Part Energy Source** Safeguards (e.g. Ordinary) (MS3: High Pressure Basic Supplementary Reinforced Lamp) (Enclosure) N/A MS1: Sharp edges and N/A Ordinary person, N/A corners of accessible Skilled person MS1: Product mass N/A Ordinary person, N/A N/A Skilled person Thermal Burn 9.1 **Body Part Energy Source** Safeguards (e.g., Ordinary) (TS2) Supplementary Reinforced Basic Ordinary person, N/A TS1: Accessible parts N/A N/A Skilled person 10.1 Radiation **Body Part Energy Source** Safeguards

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(e.g., Ordinary)	(Output from audio port)	Basic	Supplementary	Reinforced
Ordinary person, Skilled person	RS1: LED light	N/A	N/A	N/A

Supplementary Information:

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



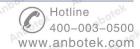
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Pose. Vue	Lotek	Aupotek Aupotek	Anbore	IEC 62368-1	Anbotek	Aupo,	Anborek	Aupore
Clause	up potek	Requi	rement + Test	c abotek	Anbore F	Result - Remark	Anbo	Verdict

4	GENERAL REQUIREMENTS		100 P/4
4.1.1 Anbote	Acceptance of materials, components and subassemblies	upotek Aupotek Aupo,	Anbotek Anbotek
4.1.2	Use of components	(See appended table 4.1.2)	Rabo
4.1.3	Equipment design and construction	anbotek Anbote An	rek P An
4.1.15	Markings and instructions:	(See Annex F)	otek P
4.4.4	Safeguard robustness	ek abotek Anbotan A	Р
4.4.4.2	Steady force tests	(See Annex T.4)	And Prek
4.4.4.3	Drop tests:	(See Annex T.7)	And P
4.4.4.4	Impact tests	Anbotes Anbotek Anbotek	N/A
4.4.4.5	Internal accessible safeguard enclosure and barrier tests	No such enclosure and barrier	N/A
4.4.4.6	Glass Impact tests:	No glass used	N/A
4.4.4.7	Thermoplastic material tests:	(See Annex T.8)	Prek Prek
4.4.4.8	Air comprising a safeguard:	Considered, but no such barrier or enclosure provided	N/A
4.4.4.9	Accessibility and safeguard effectiveness	All safeguards remain effective	ek P _{an} b
4.5	Explosion	Anbores Anto	nek P
4.6	Fixing of conductors	ek potek Aupotes Vu	P
4.6.1	Fix conductors not to defeat a safeguard	ak hotek Anboten	Anto Pek
4.6.2	10 N force test applied to	oto Ambotek Anbotek	N/A
4.7 And	Equipment for direct insertion into mains socket - outlets	No such apparatus	N/A
4.7.2	Mains plug part complies with the relevant standard	Anbotek Anboter Anc	N/A
4.7.3	Torque (Nm):	k Aupoien Aug	N/A
4.8 Anbore	Products containing coin/button cell batteries	No coin/button cell batteries used	N/A
4.8.2 Moore	Instructional safeguard	hotek Anbotes And Stek	N/A
4.8.3	Battery Compartment Construction	hotek Anboten Anbo	N/A
nbotek p	Means to reduce the possibility of children removing the battery:	Anbotek Anbotek Anbo	_
4.8.4	Battery Compartment Mechanical Tests:	Anbores Anb	N/A
4.8.5	Battery Accessibility	yek Anboyen Anbo	N/A
4.9 Anbote	Likelihood of fire or shock due to entry of conductive object	(See Annex P)	Potek

5	ELECTRICALLY-CAUSED INJURY		DO.
5.2.1	Electrical energy source classifications: (See appended table 5.2)	ovek P	P





atek.	IEC 62368-1	And Andoren And	Ya
Clause	Requirement + Test	Result - Remark	Verdict
5.2.2	ES1, ES2 and ES3 limits	tek anbotek Anbetek	ho'P ^k
5.2.2.2	Steady-state voltage and current:	(See appended table 5.2)	Porel
5.2.2.3	Capacitance limits:	Aupon Parker Pupaker	N/A
5.2.2.4	Single pulse limits:	No single pulse introduced	N/A
5.2.2.5	Limits for repetitive pulses:	No repetitive pulses introduced	N/A
5.2.2.6	Ringing signals	No means for connection to telephone network and no ringing signal generated	N/A
5.2.2.7	Audio signals	(See appended table 5.2)	N/A
5.3	Protection against electrical energy sources	All internal circuits considered ES1	N/A
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	Anbotek Anbotek Anbot	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	rek Anbotek Anbotek An	N/A
5.3.2.2	Contact requirements	potek Anbote, And Stek	N/A
k Anbo	a) Test with test probe from Annex V:	hotek Anbotek Anbo	N/A
otek A	b) Electric strength test potential (V):	Anbotek Anbotek Anbo	N/A
otek	c) Air gap (mm):	And Anbotek Anbotek	N/A
5.3.2.4	Terminals for connecting stripped wire	And stek anbotek Ant	N/A
5.4 nov	Insulation materials and requirements	tek Upotek	N/A
5.4.1.2	Properties of insulating material	hotek Anbo sek abotek	N/A
5.4.1.3	Humidity conditioning:	Inbotek Anbo. ak botek	N/A
5.4.1.4	Maximum operating temperature for insulating materials	Anborek Anborek Anbore	N/A
5.4.1.5	Pollution degree	Anbo Lek Nogrek Anb	
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	atek Anbotek Anbotek	N/A
5.4.1.5.3	Thermal cycling	otek unbotek Anbot	N/A
5.4.1.6	Insulation in transformers with varying dimensions	ho stek anbotek Anbote	N/A
5.4.1.7	Insulation in circuits generating starting pulses	Anbotek Anbotek	N/A
5.4.1.8	Determination of working voltage	Anbo Anbotek Anbo	N/A
5.4.1.9	Insulating surfaces	Augo, Ar. Potek W.	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	otek Unpotek Wipotek	N/A
5.4.1.10.2	Vicat softening temperature:	Anbore Anbore	N/A
5.4.1.10.3	Ball pressure	Anbo. A. Abotek Anbote	N/A
5.4.2	Clearances	Anbo, Ar. Potek Anbo	N/A
5.4.2.2	Determining clearance using peak working voltage	k Aupola Au	N/A





rek	IEC 62368-1	Ar. Anboren Anbo	. No.
Clause	Requirement + Test	Result - Remark	Verdict
5.4.2.3	Determining clearance using required withstand voltage	stek Anbotek Anbotek	N/A
Anac	a) a.c. mains transient voltage:	horek Anborek	_
lek Vu	b) d.c. mains transient voltage:	Aupotek Aupo	_
bołek	c) external circuit transient voltage:	Aupolek Aupo, tek upo	
Anbotek	d) transient voltage determined by measurement:	Anborek Anbor An	
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	tek Aupotek Aupotek	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	potek Anbotek Anbotek	N/A
5.4.3	Creepage distances	aborek Anbore Anii	N/A
5.4.3.1	General	Anborek Anbores And	N/A
5.4.3.3	Material Group:	ok hotek Anboter An	_
5.4.4	Solid insulation	ak hotek Anbotes	N/A
5.4.4.2	Minimum distance through insulation:	poter Ann	N/A
5.4.4.3	Insulation compound forming solid insulation	Anbore Ame Stek Anborek	N/A
5.4.4.4	Solid insulation in semiconductor devices	Anbores Ans stek anbor	N/A
5.4.4.5	Cemented joints	Anboren Anb	o ^{te™} N/A
5.4.4.6	Thin sheet material	ek Anbotek Anbo	N/A
5.4.4.6.1	General requirements	otek Anbotek Anbot	N/A
5.4.4.6.2	Separable thin sheet material	stek anbotek Anbott	N/A
*ek	Number of layers (pcs):	Tupo, Thotek Vupotek	N/A
5.4.4.6.3	Non-separable thin sheet material	Anbotek Anbotek	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	k Anbotek Anbotek Anb	N/A
5.4.4.6.5	Mandrel test	rek shotek Anbou	N/A
5.4.4.7	Solid insulation in wound components	tek nbotek Anbote	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz:	inbo	N/A
5.4.5	Antenna terminal insulation	No such terminal	N/A
5.4.5.1	General	Anbore Ante	N/A
5.4.5.2	Voltage surge test	Anbore Answer	N/A
Anbores	Insulation resistance (MΩ):	stek Anbote. And	_
5.4.6	Insulation of internal wire as part of supplementary safeguard:	ipotek Aupotek Wile	N/A
5.4.7	Tests for semiconductor components and for cemented joints	Anbotek Anbotek Anbotek	N/A
5.4.8	Humidity conditioning	Potek Vupore, Vun	N/A





ret .	IEC 62368-1	Anboter Anboter Anbo	Ya
Clause	Requirement + Test	Result - Remark	Verdict
Annapotek	Relative humidity (%):	tek anbotek Anbotek A	^U po
An hotel	Temperature (°C)	stek upotek Aupotes	
sk up	Duration (h)	ipo, William Wootek Wuboter	_
5.4.9	Electric strength test	Aupor Will Woodsk Williams	N/A
5.4.9.1	Test procedure for a solid insulation type test	Antore Andorek Anbo	N/A
5.4.9.2	Test procedure for routine tests	Anbore An botek Ar	N/A
5.4.10	Protection against transient voltages between external circuit	No transient voltage from external circuit	N/A
5.4.10.1	Parts and circuits separated from external circuits	stek shotek Anbore	N/A
5.4.10.2	Test methods	Auporek Auporek	N/A
5.4.10.2.1	General	Aupo, Wy Wolek William	N/A
5.4.10.2.2	Impulse test:	Aupor by botek Au	N/A
5.4.10.2.3	Steady-state test:	ek Anbone ku hotek	N/A
5.4.11	Insulation between external circuits and earthed circuitry	No such external circuit	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	Anbotek Anbotek Anbotek	N/A
5.4.11.2	Requirements	Anbotek Anbo	N/A
Motek	Rated operating voltage U _{op} (V):	ok upotek Anbore Am	
abotek	Nominal voltage U _{peak} (V)	sek upotek Aupote	_
r aboti	Max increase due to variation U _{sp} :	stek anbotek Anbotes	_
rek al	Max increase due to ageing ΔUsa:	Anborek Anbores	_
or br	U _{op} = U _{peak} + Δ U _{sp} + ΔU _{sa} :	Aupon William Aupone	
5.5	Components as safeguards	Aupor Al potek Aup	0,
5.5.1	General Control of the Control of th	k Pupose Will Posek	N/A
5.5.2	Capacitors and RC units	otek Anbots An hotek	N/A
5.5.2.1 mbons	General requirement	obotek Anbote And hotek	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	Anbotek Anbotek Anbotek	N/A
5.5.3	Transformers	Anbore Anborek Anbo	N/A
5.5.4	Optocouplers	Aupon An Motek M	N/A
5.5.5	Relays	otek Anbores Anv	N/A
5.5.6 Anbote	Resistors	botek Anboras Aries	N/A
5.5.7 And	SPD's Andrew Andrew	sporter Aupores Aupo	N/A
5.5.7.1	Use of an SPD connected to reliable earthing	Potek Pupoles Vupo	N/A
5.5.7.2	Use of an SPD between mains and protective earth	Anbotek Anbotek Anbo	N/A



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Yer.	IEC 62368-1	An Anbotek Anbotek Anbo	Ya
Clause	Requirement + Test	Result - Remark	Verdict
5.5.8	Insulation between the mains and external circuit consisting of a coaxial cable:	stek Anbotek Anbotek	N/A
5.6	Protective conductor	inborek Anborek	N/A
5.6.2	Requirement for protective conductors	Class III equipment	N/A
5.6.2.1	General requirements	Autotest Auto	N/A
5.6.2.2	Colour of insulation	anbotek Anbor Al	N/A
5.6.3	Requirement for protective earthing conductors	tek Anbotek Anbote	N/A
abote	Protective earthing conductor size (mm²)	rek abotek Anbote	_
5.6.4	Requirement for protective bonding conductors	por Anbotek Anboten	N/A
5.6.4.1	Protective bonding conductors	Anborek Anborek	N/A
DOLE D	Protective bonding conductor size (mm²)	Aupore Wur Potek Pupo.	
5.6.4.2	Protective current rating (A):	Anbotes And Lotek An	
5.6.4.3	Current limiting and overcurrent protective devices	ek Wipotek Wipotek	N/A
5.6.5	Terminals for protective conductors	sek spotek Aupoles	N/A
5.6.5.1	Requirement	Anbore Anborek	N/A
upotek A	Conductor size (mm²), nominal thread diameter (mm).	Anbotek Anbotek Anbot	N/A
5.6.5.2	Corrosion	ak anbotek Anbour	N/A
5.6.6	Resistance of the protective system	tek spotek Anbour	N/A
5.6.6.1	Requirements	ak shotek Anboron	N/A
5.6.6.2	Test Method Resistance (Ω)	anborek Anbore	N/A
5.6.7	Reliable earthing	Anbore Anbore	N/A
5.7	Prospective touch voltage, touch current and prote	ctive conductor current	N/A
5.7.2	Measuring devices and networks	k Autorea With	N/A
5.7.2.1	Measurement of touch current	orek Anborek Anbo	N/A
5.7.2.2 _x xx ^{od}	Measurement of prospective touch voltage	hotek Anbores Ante	N/A
5.7.3	Equipment set-up, supply connections and earth connections	Anbotek Anbotek Anbotel	N/A
potek	System of interconnected equipment (separate connections/single connection)	Anbotek Anbotek Anb	_
Anborek	Multiple connections to mains (one connection at a time/simultaneous connections)	tek Anbotek Anbotek A	_
5.7.4 Anbor	Earthed conductive accessible parts	botek Anbor An hotek	N/A
5.7.5	Protective conductor current	apporek Aupores Aury	N/A
ootek	Supply Voltage (V)	abotek Anboros Anbo	
obotek .	Measured current (mA)	Anbotek Anbotek Anbo	
anbo,	moderated dutterit (iii) ty	apo, Ai,	



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tek k.	IEC 62368-1	Anbotek Anbotek Anbote	And
Clause	Requirement + Test	Result - Remark	Verdict
Anbo	stek nobore Americak społe	And Otek N	400,0
Anbotek	Instructional Safeguard	stek Anbotek Anbo	N/A
5.7.6 MADON	Prospective touch voltage and touch current due to external circuits	hotek Anbotek Anbotek	N/A
5.7.6.1	Touch current from coaxial cables	Anbores And Otek Anborek	N/A
5.7.6.2	Prospective touch voltage and touch current from external circuits	Anborek Anborek Anbo	N/A M
5.7.7 Anborek	Summation of touch currents from external circuits	No such external circuits	N/A
ak Anbore	a) Equipment with earthed external circuits Measured current (mA)	botek Anbotek Anbotek	N/A
lootek P	b) Equipment whose external circuits are not referenced to earth. Measured current (mA):	Anbotek Anbotek Anbotes	N/A

6	ELECTRICALLY- CAUSED FIRE		P
6.2	Classification of power sources (PS) and potential i	gnition sources (PIS)	Prek Prek
6.2.2	Power source circuit classifications	both Ambotek Anbotek	Anb P otek
6.2.2.1	General	Anbore Ane hotek Anboren	P
6.2.2.2	Power measurement for worst-case load fault:	(See appended table 6.2.2)	P Vupo
6.2.2.3	Power measurement for worst-case power source fault:	(See appended table 6.2.2)	otek P Ar
6.2.2.4	PS1	ok botek Anbote	N/A
6.2.2.5	PS2:	(See appended table 6.2.2)	Anb P rek
6.2.2.6	PS3	Anbore An Motek Anborek	N/A
6.2.3	Classification of potential ignition sources	Anbore K Anbore	N/A
6.2.3.1	Arcing PIS:	Anbores And	N/A N
6.2.3.2	Resistive PIS	ek Anboten Anb	N/A
6.3 Anbotel	Safeguards against fire under normal operating and	abnormal operating conditions	nb _P k
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 Anbote
6.3.1 (b)	Combustible materials outside fire enclosure	Anbotek Anbotes And	N/A
6.4	Safeguards against fire under single fault conditions	k hotek Anbotel Anb	nekP
6.4.1	Safeguard Method	Method of Reduction of the likelihood of ignition under single fault conditions and control fire spread used	Anbotek Anbotek
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	Anbotek Anbotek Anbotek	N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	Anbotek Anbotek Anbo	potek P



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Clause	Requirement + Test	Result - Remark	Verdict
Oldase	Troquiement Test	Tresuit Tremain	Aporto Victorio
6.4.3.1	General	Hek Anbotek Anbou	nbo'P ^k
6.4.3.2	Supplementary Safeguards	rotek Anbotek Anbo	Porel
ek Aup	Special conditions if conductors on printed boards are opened or peeled	Anbotek Anbotek Anbotek	N/A
6.4.3.3	Single Fault Conditions	Anbotek Anbo	N/A
Anborek	Special conditions for temperature limited by fuse	Anbotek Anbo	N/A
6.4.4	Control of fire spread in PS1 circuits	lek Anbotek Anbo	N/A
6.4.5	Control of fire spread in PS2 circuits	stek subotek Ambot	Prek
6.4.5.2	Supplementary safeguards:	For PCB detail See table 4.1.2	P
6.4.6	Control of fire spread in PS3 circuit	Anborek Anbore	N/A
6.4.7	Separation of combustible materials from a PIS	Anbort Anbor	N/A
6.4.7.1	General ::	Anbota k hotek An	N/A
6.4.7.2	Separation by distance	ek Aupotes Auto	N/A
6.4.7.3	Separation by a fire barrier	notek Anbores Anbo	N/A
6.4.8 _M bo	Fire enclosures and fire barriers	notek Anbotek Anbo	Poot
6.4.8.1	Fire enclosure and fire barrier material properties	Anto stek Anbotek Anbo	P
5.4.8.2.1	Requirements for a fire barrier	No such barrier used.	N/A
5.4.8.2.2	Requirements for a fire enclosure	Anbotek Ant	Р
5.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	otek Anbotek Anbotek	Pek
6.4.8.3.1	Fire enclosure and fire barrier openings	No openings on the fire enclosure.	Pote
6.4.8.3.2	Fire barrier dimensions	and Anbertak Anber	N/A
6.4.8.3.3	Top Openings in Fire Enclosure: dimensions (mm)	Anbotek Anbotek Anbo	N/A
Anboier	Needle Flame test	k Anbore Anb	N/A
5.4.8.3.4	Bottom Openings in Fire Enclosure, condition met a), b) and/or c) dimensions (mm):	otek Anbotek Anbetek	N/A
iek Aug	Flammability tests for the bottom of a fire enclosure	Inborek Anborek Anborek	N/A
6.4.8.3.5	Integrity of the fire enclosure, condition met: a), b) or c):	Anbotek Anbotes Anb	N/A
6.4.8.4	Separation of PIS from fire enclosure and fire barrier distance (mm) or flammability rating:	For enclosure detail See table 4.1.2	hotek hotek
6.5 Noote	Internal and external wiring	tek abotek Anbotes	Prek
3.5.1	Requirements	hoo ek hotek Anbores	P
5.5.2	Cross-sectional area (mm²):	(See appended table 4.1.2)	_
3.5.3	Requirements for interconnection to building wiring	Anborek Anbo	N/A



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*6k	IEC 62368-1	Y And
Clause	Requirement + Test Result - Remark	Verdict
6.6 And 100 to 1	Safeguards against fire due to connection to additional equipment	N/A
otek Ant	External port limited to PS2 or complies with Clause Q.1	N/A

7	INJURY CAUSED BY HAZARDOUS SUBSTANCES		
7.2 notek	Reduction of exposure to hazardous substances	No such hazardous substances	N/A
7.3	Ozone exposure	No ozone production	N/A
7.4	Use of personal safeguards (PPE)	ypo	N/A
ok h	Personal safeguards and instructions:	Anbore Anbores	_
7.5	Use of instructional safeguards and instructions	Aupore Williams Wolsk Williams	N/A
Aupois	Instructional safeguard (ISO 7010)	Anbor Ar hotek An	_
7.6	Batteries	ek Anbose Anbosek	N/A

8	MECHANICALLY-CAUSED INJURY		Photek
8.1	General	Anborek Anbore And	r P nbo
8.2	Mechanical energy source classifications	Anborek Anboren Anbor	rek P
8.3	Safeguards against mechanical energy sources	k hotek Anbotek An	P
8.4 Anborek	Safeguards against parts with sharp edges and corners	otek Anbotek Anbotek	anbotek
8.4.1	Safeguards	MS1 classification	N/A
8.5	Safeguards against moving parts	Anbotek Anbotes Anb	N/A
8.5.1	MS2 or MS3 part required to be accessible for the function of the equipment	Anbotek Anbotek Anb	N/A
8.5.2	Instructional Safeguard:	k Aupole All Motek	_
8.5.4	Special categories of equipment comprising moving parts	otek Anborek Anbotek	N/A
8.5.4.1	Large data storage equipment	inbo kk Anbores	N/A
8.5.4.2	Equipment having electromechanical device for destruction of media	Anbotek Anbotek Anbote	N/A
8.5.4.2.1	Safeguards and Safety Interlocks	- Anborek Anbor An	N/A
8.5.4.2.2	Instructional safeguards against moving parts	tek nbotek Anbores A	N/A
- abote	Instructional Safeguard	tek abotek Anbote	_
8.5.4.2.3	Disconnection from the supply	ibor Anbores	N/A
8.5.4.2.4	Probe type and force (N)	Auporter Andrew	N/A
8.5.5	High Pressure Lamps	Aupour Annogek Aupo	N/A
8.5.5.1	Energy Source Classification	Aupotes Aus	N/A



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ret .	IEC 62368-1	All atek anbotek Anbo	- 0/4
Clause	Requirement + Test	Result - Remark	Verdict
3.5.5.2	High Pressure Lamp Explosion Test	Hek Anbotek Anbotek A	N/A
3.6 Mbotel	Stability	Mass < 7kg	N/A
3.6.1	Product classification	MS1	N/A
*ek	Instructional Safeguard	Pupo, Vek upolek Vulocus.	_
3.6.2	Static stability	Anton Anbotek Anbo	N/A
3.6.2.2	Static stability test	Anbor All botek Ar	N/A
Anbore	Applied Force:	cler Aupon Au	
3.6.2.3	Downward Force Test	Aborek Anbore Am	N/A
3.6.3	Relocation stability test	anbotek Anbote And hotek	N/A°
jotek Ar	Unit configuration during 10° tilt:	Though Mupage, Mun	_
3.6.4	Glass slide test	Anbotek Anbotes Anbotes	N/A
8.6.5	Horizontal force test (Applied Force):	ok spotek Aupotem An	N/A
potek	Position of feet or movable parts:	sek abotek Anbotek	
3.7	Equipment mounted to wall or ceiling	nort An botek Anbotek	N/A
8.7.1	Mounting Means (Length of screws (mm) and mounting surface)	Anbotek Anbotek Anbotek	N/A
3.7.2	Direction and applied force:	anbotek Anbore	N/A
3.8 botek	Handles strength	tek upotek Aupote Au	N/A
3.8.1 ₁₀₀ 10 ¹⁰	Classification	rek upotek Aupon	N/A
3.8.2	Applied Force	nbotek Anbote	N/A
3.9	Wheels or casters attachment requirements	Anbores Anbores	N/A
3.9.1	Classification	Anbore Anbore	N/A
3.9.2	Applied force	Anbore Amb	
3.10	Carts, stands and similar carriers	er Pupote Vin	N/A
3.10.1	General	botek Anbore Ans	N/A
3.10.2 proofe	Marking and instructions	botek Anbote And Otek	N/A
rek Anb	Instructional Safeguard:	botek Anboren Ann	_
3.10.3	Cart, stand or carrier loading test and compliance	Anboten Anbo	N/A
"otek	Applied force	Anbotek Anbotek Anb	_
3.10.4	Cart, stand or carrier impact test	Aur Potek Aupotek V.	N/A
3.10.5	Mechanical stability	And Andrew	N/A
Anbo	Applied horizontal force (N)	Anbotek Anbotek	_
3.10.6	Thermoplastic temperature stability (°C):	Anbores Anborek	N/A
3.11	Mounting means for rack mounted equipment	Aupoter, Hupon stek upo	N/A N
3.11.1	General	Anborek Anbor All	N/A



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ne, bu	IEC 62368-1	Anbuter Anbotek Anbotek	Y Aupo,
Clause	Requirement + Test	Result - Remark	Verdict
AUG	otek vipos by ok pote	Ante Cotek A	100.0
8.11.2	Product Classification	stek Anbotes And	N/A
8.11.3	Mechanical strength test, variable N	Lotek Anbotek Anbo	N/A
8.11.4	Mechanical strength test 250N, including end stops	up otek vupotek Aupo	N/A
8.12	Telescoping or rod antennas	Anti-	N/A
Upo.	Button/Ball diameter (mm)	Anbo tek anbotek Anbo	_

9	THERMAL BURN INJURY		
9.2	Thermal energy source classifications	TS1: accessible parts	An Pres
9.3	Safeguard against thermal energy sources	abotek Anbote An botek	N/A
9.4	Requirements for safeguards	aborek Anbore Ant	N/A
9.4.1	Equipment safeguard	botek Anbotes Ane	N/A
9.4.2	Instructional safeguard	k hotek Anbotel Ar	N/A

10	RADIATION		And P
10.2	Radiation energy source classification	Anbore. And stek Anborek	P /poor
10.2.1	General classification	RS1	P Anbo
10.3	Protection against laser radiation	No laser radiation	o ^{se™} N/A ⊾
vupotek	Laser radiation that exists equipment:	k upotek Anbour	_
nbotek	Normal, abnormal, single-fault:	otek upotek Anbore	N/A
ik abou	Instructional safeguard	otek anbotek Anbotes	_
rek w	Tool:	Anborek Anborek	_
10.4	Protection against visible, infrared, and UV radiation	Anbotek Anbotek Anbot	N/A
10.4.1	General	k Anbotek Anbe	N/A
10.4.1.a)	RS3 for Ordinary and instructed persons:	tek vupojek Aupo	N/A
10.4.1.b)	RS3 accessible to a skilled person	tek nbotek Anbot	N/A
otek Anb	Personal safeguard (PPE) instructional safeguard	Anbotek Anbotek Anbotek	_
10.4.1.c)	Equipment visible, IR, UV does not exceed RS1.:	Anbotek Anbo	N/A M
10.4.1.d)	Normal, abnormal, single-fault conditions:	. Anbotek Anbott	N/A
10.4.1.e)	Enclosure material employed as safeguard is opaque	itek Anbotek Anbotek	N/A
10.4.1.f)	UV attenuation	upotek Anbor Lak abotek	N/A
10.4.1.g)	Materials resistant to degradation UV:	Anbotek Anbotek	N/A
10.4.1.h)	Enclosure containment of optical radiation:	anbotek Anbote Anbote	N/A N/A
10.4.1.i)	Exempt Group under normal operating conditions	Anbotek Anbotek An	N/A

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Clause	Requirement + Test	Result - Remark	Verdict
Anboten	Mus Tek Upotek Mipo Mr. Male	Anboter And tek	botek
10.4.2	Instructional safeguard:	tek Anbotek Anbo	N/A
10.5 Moote	Protection against x-radiation	notek Anborek Anbor	N/A
10.5.1	X- radiation energy source that exists equipment:	ne tek nbotek Anbotek	N/A
rek h	Normal, abnormal, single fault conditions	Anborek Anborek	N/A
o. b	Equipment safeguards:	Anbo Anbotek Anbo	N/A
Yuporg	Instructional safeguard for skilled person:	Anbour Ak Botek As	N/A
10.5.3	Most unfavourable supply voltage to give maximum radiation:	tek Anbotek Anbotek	_
k 20°	Abnormal and single-fault condition:	log wek upotek Aupon	N/A
rek ben	Maximum radiation (pA/kg):	Anborek Anborek	N/A
0.6	Protection against acoustic energy sources	Anbort Anbo	N/A
10.6.1	General	Anbotte An	N/A
0.6.2	Classification	ek Aupoisi Aug	N/A
Anborek	Acoustic output, dB(A):	notek Anbotek Anbo	N/A
Anbo	Output voltage, unweighted r.m.s:	hotek Anbotek Anby	N/A
0.6.4	Protection of persons	And Anbotest Anbo	N/A
rek	Instructional safeguards:	Aribotek Anbotek Anbo	N/A
Anbotek	Equipment safeguard prevent ordinary person to RS2	k Anbotek Anbotek Ant	_
Anboten	Means to actively inform user of increase sound pressure:	sotek Anbotek Anbotek	_
ek Au	Equipment safeguard prevent ordinary person to RS2:	Anbotek Anbotek Anbotek	_
0.6.5	Requirements for listening devices (headphones, earphones, etc.)	Anbotek Anbotek Anb	N/A
0.6.5.1	Corded passive listening devices with analog input	tek Anbotek Anbotek	N/A
Anbore	Input voltage with 94 dB(A) L _{Aeq} acoustic pressure output:	inbotek Anbotek Anbotek	_
0.6.5.2	Corded listening devices with digital input	Anborek Anbo. Anborek	N/A
Ofek	Maximum dB(A):	Anborek Anbor An	_
0.6.5.3	Cordless listening device	, upotek Aupote Au	N/A
*ek	Maximum dB(A):	tek upotes.	(V

K	NORMAL OPERATING CONDITION TESTS, ABNORMAL OPERATING CONDITION TESTS AND SINGLE FAULT CONDITION TESTS					P Anborel
B.2	Normal Operating Conditions	Anborek	Aupo	n'bo	lek	P Anb





Clause	Requirement + Test	Result - Remark	Verdict
3.2.1	General requirements	(See summary of testing & appended test tables)	Aupo Pk
ek Aupo	Audio Amplifiers and equipment with audio amplifiers:	hotek Anbotek Anbotek	N/A
3.2.3	Supply voltage and tolerances	(See appended table B.2.5)	ek P
3.2.5	Input test	(See appended table B.2.5)	P
3.3	Simulated abnormal operating conditions	Ambotek Anbotek A	N/A
3.3.1	General requirements:	And stek Anbotek	N/A
3.3.2	Covering of ventilation openings	botek Andourtek	N/A
3.3.3	D.C. mains polarity test	Anborek Anbor sek aborek	N/A
3.3.4	Setting of voltage selector:	No such voltage selector.	N/A
3.3.5	Maximum load at output terminals:	No such terminals	N/A
3.3.6	Reverse battery polarity	No battery replaced by ordinary person	N/A
3.3.7	Abnormal operating conditions as specified in Clause E.2.	ootek Anbotek Anbotek	N/A
3.3.8	Safeguards functional during and after abnormal operating conditions	Anbotek Anbotek Anbot	N/A
3.4	Simulated single fault conditions	Aupotes Aupo	o ^{tek} P
3.4.2	Temperature controlling device open or short-circuited	k Aupotek Aupotek	N/A
3.4.3	Motor tests	otes And wotek Anborek	N/A
3.4.3.1	Motor blocked or rotor locked increasing the internal ambient temperature:	Anbotek Anbotek Anbotek	N/A
3.4.4	Short circuit of functional insulation	Antorek Anborek Aribo	TO P
3.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.4)	P
3.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	Anbotek Anbotek
3.4.4.3	Short circuit of functional insulation on coated printed boards	Mbotek Anborek Anbotek	N/A
3.4.5	Short circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.4)	nek P ^{Ank}
3.4.6	Short circuit or disconnect of passive components	(See appended table B.4)	hotel P
3.4.7	Continuous operation of components	tek abotek Anboten	N/A
3.4.8	Class 1 and Class 2 energy sources within limits during and after single fault conditions	abotek Anbotek Anbotek	Problem
3.4.9	Battery charging under single fault conditions:	work Anbore And	N/A



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Poppe, by	anbotek	Aupotek Aupo	IEC 62368-1	Anbote	Anbotek	Anborek	V Vupo.
Clause	Anbotek	Requirement + Test	K Anbotek	Res	sult - Remark	Aupo	Verdict

С	UV RADIATION		N/A
C.1 Anbore	Protection of materials in equipment from UV radiation	No UV radiation within the EUT.	N/A
C.1.2	Requirements	Anbores And Otek Anborek	N/A
C.1.3	Test method	Anbotek Anbo	N/A M
C.2	UV light conditioning test	Anbotek Anbe	N/A
C.2.1	Test apparatus	lek Nupotek Aupo	N/A
C.2.2	Mounting of test samples	stek upotek Anbore	N/A
C.2.3	Carbon-arc light-exposure apparatus	loo tek upotek Aupote	N/A
C.2.4	Xenon-arc light exposure apparatus	Anborek Anbore	N/A

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

E	TEST CONDITIONS FOR EQUIPMENT CONTAINING AUDIO AMPLIFIERS			
E.1	Audio amplifier normal operating conditions (See appended table B.2.5)		N/A	
Ano.	Audio signal voltage (V)	And Stek Anbotek	_	
Augo	Rated load impedance (Ω)	aborek Antorek		
E.2	Audio amplifier abnormal operating conditions	Anbotek Anbo	N/A	

F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND	INSTRUCTIONAL SAFEGUARDS	otek P Ant
F.1 botek	General requirements	k obotek Anbor Air	wo're\P
Potek	Instructions – Language	English and German checked	_
F.2	Letter symbols and graphical symbols	ok Anbore	Am Potek
F.2.1	Letter symbols according to IEC60027-1	hupo, bolek Vupoles	P N
F.2.2	Graphic symbols IEC, ISO or manufacturer specific	Anborek Anborek Anbore	rek Anb
F.3	Equipment markings	K abotek Anbote Am	workP
F.3.1	Equipment marking locations	Located on the external enclosure surface	Anboiek
F.3.2 M	Equipment identification markings	abotek Anbo. Ak hotek	ArPore.
F.3.2.1	Manufacturer identification	See label	_
F.3.2.2	Model identification:	See label	_
F.3.3	Equipment rating markings	See label	Nek P





rek.	IEC 62368-1	And Andorek Ando	-ak	
Clause	Requirement + Test	Result - Remark	Verdict	
F.3.3.1	Equipment with direct connection to mains	Nek Pupolek Pupolek V	N/A	
F.3.3.2	Equipment without direct connection to mains	otek Anbotek Anbo	Potek	
F.3.3.3	Nature of supply voltage	See label	_	
F.3.3.4	Rated voltage:	See label	_	
F.3.3.4	Rated frequency	Anton Anbotek Anbo	_	
F.3.3.6	Rated current or rated power	See label	_	
F.3.3.7	Equipment with multiple supply connections	No multiple supply connection.	N/A	
F.3.4	Voltage setting device	No such device.	N/A	
F.3.5	Terminals and operating devices	abotek Anbote Anb	N/A	
F.3.5.1	Mains appliance outlet and socket-outlet markings:	No mains appliance outlet.	N/A	
F.3.5.2	Switch position identification marking:	Not such switch.	N/A	
F.3.5.3	Replacement fuse identification and rating markings			
F.3.5.4	Replacement battery identification marking	otek Anbotek Anbot	N/A	
F.3.5.5	Terminal marking location	Auportak Auportak	N/A	
F.3.6	Equipment markings related to equipment classification	Anbotek Anbotek Anbot	N/A	
F.3.6.1	Class I Equipment	k upotek Anbour	N/A	
F.3.6.1.1	Protective earthing conductor terminal	otek Anbotek Anbot	N/A	
F.3.6.1.2	Neutral conductor terminal	rek nbotek Anbot	N/A	
F.3.6.1.3	Protective bonding conductor terminals	Anborek Anbore	N/A	
F.3.6.2	Class II equipment (IEC60417-5172)	Anbot Anbotek Anbote	N/A	
F.3.6.2.1	Class II equipment with or without functional earth	Anbore Anborek Anb	N/A	
F.3.6.2.2	Class II equipment with functional earth terminal marking	k Anborek Anborek	N/A	
F.3.7	Equipment IP rating marking:	IP20	_	
F.3.8	External power supply output marking	upo kek Abotek Anbore	N/A	
F.3.9	Durability, legibility and permanence of marking	Anbor Anborek Anbore	PARIL	
F.3.10	Test for permanence of markings	Anbor ok All hotek Anbo	P P	
F.4	Instructions	k Anbore K Motek A	ipoter P	
Anbore	a) Equipment for use in locations where children not likely to be present - marking	tek Anbotek Anbotek	N/A	
ok w	b) Instructions given for installation or initial use	ibo. Ar sporek Auporer	ANP	
-K View	c) Equipment intended to be fastened in place	Anbore Am hotek Anboret	N/A	
potek A	d) Equipment intended for use only in restricted access area	Not used in restricted access area.	N/A	





o. kek	IEC 62368-1	Anborek Anborek Anbore	And
Clause	Requirement + Test	Result - Remark	Verdict
VUP	stek hope, by	And otek or	100.
	e) Audio equipment terminals classified as ES3 and other equipment with terminals marked in accordance F.3.6.1	itek Vupotek Vupotek	N/A
	ter upo, by,	opo. K. arek ampoles.	VUL
yer Ant	f) Protective earthing employed as safeguard	abotek Anbo	N/A
botek	g) Protective earthing conductor current exceeding ES2 limits	Anbotek Anbotek Anbo	N/A
Aupolo	h) Symbols used on equipment	Anboth At hotek At	poter P
Anbore	i) Permanently connected equipment not provided with all-pole mains switch	lek Anbolek Anbolek	N/A
iek Vup	j) Replaceable components or modules providing safeguard function	Anbotek Anbotek Anbotek	N/A
F.5	Instructional safeguards	Anborek Anbo. Ak Abo	N/A
Anbotek	Where "instructional safeguard" is referenced in the test report it specifies the required elements, location of marking and/or instruction	ek Vupotek Vupotek Vu	sote N/A

G	COMPONENTS		
G.1	Switches	nbo Anbore Anbore	N/A
G.1.1	General requirements	Anbote Anbotek Anbote	N/A
G.1.2	Ratings, endurance, spacing, maximum load	Anbore K Amb	N/A
G.2 00000	Relays And	Anbore And	N/A
G.2.1	General requirements	tek Anbore And Otek	N/A
G.2.2 probati	Overload test	botek Anboten Anb	N/A
G.2.3	Relay controlling connectors supply power	hotek Anbotek Anbo	N/A
G.2.4	Mains relay, modified as stated in G.2	And Anborek Anbo	N/A
G.3	Protection Devices	And Anbotek Anb	N/A
G.3.1	Thermal cut-offs	No thermal cut-off used.	N/A
G.3.1.1a) &b)	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	er Anbotek Anbotek	N/A
G.3.1.1c)	Thermal cut-outs tested as part of the equipment as indicated in c)	Anbotek Anbotek Anbote	N/A
G.3.1.2	Thermal cut-off connections maintained and secure	Anbotes Ankotek Anbe	N/A
G.3.2	Thermal links	Augustek Aupotek V	N/A
G.3.2.1a)	Thermal links separately tested with IEC 60691	No thermal link used.	N/A
G.3.2.1b)	Thermal links tested as part of the equipment	Dotes Vupo stek vupostek	N/A
Hey Wup.	Aging hours (H):	Anborek Anborek	_
ipotek A	Single Fault Condition:	Vuposek Vupo, Vi	_
abotek	Test Voltage (V) and Insulation Resistance (Ω). :	Aupotek Aupot Au	_



rek	IEC 62368-1	Ans otek Anbotek Anbo	40.		
Clause	Requirement + Test	Result - Remark	Verdict		
G.3.3	PTC Thermistors	tek anbotek Anbotek	N/A		
G.3.4	Overcurrent protection devices	rek nbotek Anbote	N/A		
G.3.5	Safeguards components not mentioned in G.3.1 to	G.3.5	N/A		
G.3.5.1	Non-resettable devices suitably rated and marking provided				
G.3.5.2	Single faults conditions:	k Aupotek Aupon An	N/A		
G.4 notel	Connectors	otek Anborek Anbore A	N/A		
G.4.1	Spacings	Not directly connected to mains	N/A		
G.4.2	Mains connector configuration:	upo, sek upotek Yupo,s,	N/A		
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	Anbotek Anbotek Anbotek	N/A		
G.5	Wound Components	Anbotek Anbo.	o ^{te™} N/A		
G.5.1	Wire insulation in wound components:	iek upotek Vupoge bu	N/A		
G.5.1.2 a)	Two wires in contact inside wound component, angle between 45° and 90°				
G.5.1.2 b)	Construction subject to routine testing				
G.5.2	Endurance test on wound components	Anborek Anbore Are bor	N/A		
G.5.2.1	General test requirements	Anborek Anborr	oke ^N N/A		
G.5.2.2	Heat run test	ak upotek Aupote Au	N/A		
A. abotek	Time (s)	sek sobotek Anbotes	_		
k hot	Temperature (°C)	No. A. shotek Anbote.	_		
G.5.2.3	Wound Components supplied by mains	Anbore Anbore	N/A		
G.5.3	Transformers	Anbors Ar. botek Anbote	N/A		
G.5.3.1	Requirements applied (IEC61204-7, IEC61558-1/-2, and/or IEC62368-1)	Anborek Anborek Ant	N/A		
h. abotek	Position:	rek abotek Anbote			
Project	Method of protection:	obotek Anbote	_		
G.5.3.2	Insulation	Inborek Ambores	N/A		
in Die	Protection from displacement of windings:	Pupose V Posek Vupose			
G.5.3.3	Overload test	Anbors Anb	N/A		
G.5.3.3.1	Test conditions	Aupore Aur	N/A		
G.5.3.3.2	Winding Temperatures testing in the unit	otek Anbore And Joseph	N/A		
G.5.3.3.3	Winding Temperatures - Alternative test method	thotek Anbote And otek	N/A		
G.5.4	Motors And Lock Andores Andores	hotek Anboten Anbo	N/A		
G.5.4.1	General requirements	An Anbotek Anbotek Anbo	N/A		
-otek	Position:	Ant Anbotek Anbo	_		
G.5.4.2	Test conditions	And total An	N/A		





Clause	Requirement + Test Result - Remark	Verdict
American	And Treatment Toget And Treatment	The Contract
G.5.4.3	Running overload test	N/A
G.5.4.4	Locked-rotor overload test	N/A
ek supc	Test duration (days):	
G.5.4.5	Running overload test for d.c. motors in secondary circuits	N/A
G.5.4.5.2	Tested in the unit	N/A
anbotek	Electric strength test (V)	_
G.5.4.5.3	Tested on the Bench - Alternative test method; test time (h)	N/A
Augo	Electric strength test (V)	lpotek —
G.5.4.6	Locked-rotor overload test for d.c. motors in secondary circuits	N/A
G.5.4.6.2	Tested in the unit	N/A
Arra	Maximum Temperature	N/A
Ann	Electric strength test (V):	N/A
G.5.4.6.3	Tested on the bench - Alternative test method; test time (h)	N/A
potek	Electric strength test (V)	N/A
G.5.4.7	Motors with capacitors	N/A
G.5.4.8	Three-phase motors	N/A
G.5.4.9	Series motors	N/A
	Operating voltage:	Jotek _
G.6	Wire Insulation	N/A
G.6.1	General Andrew Andrew Andrew Andrew Andrew	N/A
G.6.2	Solvent-based enamel wiring insulation	N/A
G.7 nbotek	Mains supply cords	N/A
G.7.1	General requirements Not directly connected to main	s N/A
ek nb	Typebotek Anbi	
rok Air	Rated current (A)	nbote
po. b	Cross-sectional area (mm²), (AWG):	Anbe —
G.7.2	Compliance and test method	N/A
G.7.3	Cord anchorages and strain relief for non-detachable power supply cords	Anto N/A
G.7.3.2	Cord strain relief	N/A
G.7.3.2.1	Requirements	N/A
DO, V	Strain relief test force (N):	Anboi
G.7.3.2.2	Strain relief mechanism failure	N/A





Claus =	ok Dorek Anho Stek	Anbor Boult Bow salt	\/==-!:-/
Clause	Requirement + Test	Result - Remark	Verdict
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	tek Anbotek Anbote	—
G.7.3.2.4	Strain relief comprised of polymeric material	otek Anbotek Anbo	N/A
G.7.4	Cord Entry:	list atek anbotek Anbote	N/A
G.7.5	Non-detachable cord bend protection	Ant tek nbotek Anbote	N/A
G.7.5.1	Requirements	Aupo, Pupo	N/A
G.7.5.2	Mass (g)	Anber ak abotek Ar	
Anbore	Diameter (m)	iek Aupons ok Pulek	
Aupore	Temperature (°C):	botek Anbure Anburek	
G.7.6	Supply wiring space	anbotek Anbote, Wung	N/A
G.7.6.2	Stranded wire	abotek Anbote, Burn	N/A
G.7.6.2.1	Test with 8 mm strand	Anbotek Anboten Anb	N/A
G.8	Varistors	ok botek Anbotek An	N/A
G.8.1	General requirements	No varistors used.	N/A
G.8.2	Safeguard against shock	ooter And Lotek Anbotek	N/A
G.8.3	Safeguard against fire	Anboros Ansotek Anbotek	N/A
G.8.3.2	Varistor overload test	Anboree Anbo	N/A
G.8.3.3	Temporary overvoltage	Anboten Anto tek only	N/A
G.9	Integrated Circuit (IC) Current Limiters	ek Anboren Anbo	N/A
G.9.1 a)	Manufacturer defines limit at max. 5A.	No such IC used.	N/A
G.9.1 b)	Limiters do not have manual operator or reset	ntek Anbotek Anbo	N/A
G.9.1 c)	Supply source does not exceed 250 VA:	Anborek Anborek Anbor	_
G.9.1 d)	IC limiter output current (max. 5A)	Anborek Anborek Anbore	_
G.9.1 e)	Manufacturers' defined drift	Anbo. tek upotek Anb	
G.9.2	Test Program 1	Vupo, by potek	N/A
G.9.3	Test Program 2	otek Anbor Anbotek	N/A
G.9.4	Test Program 3	nbotek Anbout ak hotek	N/A
G.10	Resistors	anbotek Anbor Ak hotel	N/A
G.10.1	General requirements	abotek Anbote An	N/A
G.10.2	Resistor test	Anbotek Anbote Anti	N/A
G.10.3	Test for resistors serving as safeguards between the mains and an external circuit consisting of a coaxial cable	tek Anbotek Anbotek A	N/A
G.10.3.1	General requirements	upoter Aupotek	N/A
G.10.3.1	Voltage surge test	Auporek Aupo. W. Joseph	N/A
G.10.3.2	Impulse test	Pupolek Pupo, W.	N/A
G.11	Capacitor and RC units	And Andrew	11//





Clause	Requirement + Test	Result - Remark	Verdict
Anbo	a upotek Aupotei Kut	Autoo, by	100te.
G.11.1	General requirements	No such components used	N/A
G.11.2	Conditioning of capacitors and RC units	nbotek Anbor Arr.	N/A
G.11.3	Rules for selecting capacitors	anborek Ambore Am	N/A
G.12	Optocouplers	Anbotek Anbote Ant	N/A
	Optocouplers comply with IEC 60747-5-5:2007 Spacing or Electric Strength Test (specify option and test results)	Anbotek Anbotek Anbotek Ar	N/A
Ando	Type test voltage Vini:	And Stek Anbotek	_
Aupo	Routine test voltage, Vini,b	potek Anao Akak Mootek	_
G.13	Printed boards	Pupoter Vupo, by	P upo
G.13.1	General requirements	Anborek Anton Lek Loo	P AN
G.13.2	Uncoated printed boards	Anbotek Anbote An	otek P
G.13.3	Coated printed boards	ek shotek Anbore k	N/A
G.13.4	Insulation between conductors on the same inner surface	ootek Anbotek Anbotek	N/A
Otek Vupo	Compliance with cemented joint requirements (Specify construction):	Anbotek Anbotek Anbotek	_
G.13.5	Insulation between conductors on different surfaces	Anbotek Anbotek Anbo	N/A
Anbore	Distance through insulation	ak Anbores And Otek	N/A
Anboten	Number of insulation layers (pcs):	otek Anbotel And	
G.13.6	Tests on coated printed boards	botek Anbotel Anti-	N/A
G.13.6.1	Sample preparation and preliminary inspection	Anborek Anborek	N/A
G.13.6.2a)	Thermal conditioning	Aribo tek Anbotek Anbot	N/A
G.13.6.2b)	Electric strength test	And tek aborek And	N/A
G.13.6.2c)	Abrasion resistance test	Anto rek abotek	N/A
G.14	Coating on components terminals	sofek Anber Lek stofek	N/A
G.14.1	Requirements	nbotek Anbo ok kill botek	N/A
G.15	Liquid filled components	anbotek Anbor ak hotel	N/A
G.15.1	General requirements	anbotek Anbote Am	N/A
G.15.2	Requirements	. abotek Anbote Anti-	N/A
G.15.3	Compliance and test methods	ok abotek Anbotes A	N/A
G.15.3.1	Hydrostatic pressure test	ok hotek Anboten	N/A
G.15.3.2	Creep resistance test	Ipole K molek Aupolek	N/A
G.15.3.3	Tubing and fittings compatibility test	Anbores Anto stek anborek	N/A
G.15.3.4	Vibration test	Anbores Anb	N/A 🖂
G.15.3.5	Thermal cycling test	potek Anbo.	N/A



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*6K	IEC 62368-1	Anborek Anborek	Y And
Clause	Requirement + Test	Result - Remark	Verdict
Aribo	Total Pupole Prus 10k Total	And worker a	Uporto
G.15.3.6	Force test	tek Anbotes And	N/A
G.15.4	Compliance	hotek Anbotek Anbo	N/A
G.16	IC including capacitor discharge function (ICX)	und otek Anbotek Anbo	N/A
a)	Humidity treatment in accordance with sc5.4.8 – 120 hours	Anbotek Anbotek Anbot	N/A
b) boyer	Impulse test using circuit 2 with Uc = to transient voltage	Anborek Anborek Ar	N/A
C1) Anborek	Application of ac voltage at 110% of rated voltage for 2.5 minutes	botek Anbotek Anbotek	N/A
C2) Anbo	Test voltage	shortek Anbores And And	_
D1) Ar	10,000 cycles on and off using capacitor with smallest capacitance resistor with largest resistance specified by manufacturer	Anbotek Anbotek Anbot	N/A
D2)	Capacitance	ek upotek Aupote A	_
D3)	Resistance	sek abotek Anboren	_

Н	CRITERIA FOR TELEPHONE RINGING SIGNALS	N/A
H.1	General Andrew Andrew Andrew Andrew	N/A
H.2	Method A	ote st N/A
H.3	Method B	N/A
H.3.1	Ringing signal	N/A
H.3.1.1	Frequency (Hz)	_
H.3.1.2	Voltage (V)	_
H.3.1.3	Cadence; time (s) and voltage (V)	_
H.3.1.4	Single fault current (mA):	_
H.3.2	Tripping device and monitoring voltage	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage complied with	N/A
H.3.2.2	Tripping device	N/A
H.3.2.3	Monitoring voltage (V)	_

J	INSULATED WINDING WIF	RES FOR USE	WITHOUT IN	TERLEAVE	INSULATION	N/A
Anbore	General requirements	Anbo	abotek.	Anbore	VIII.	N/A

	K	SAFETY INTERLOCKS			N/A
0.	K.1	General requirements	Anbore.	No safety interlocks inside the EUT	N/A



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rek pre. Pu.	IEC 62368-1	ick Vupo
Clause	Requirement + Test Result - Remark	Verdict
Aribo	otek Auport Aug ok Pote Aupo otek	anbore
K.2	Components of safety interlock safeguard mechanism	N/A
K.3	Inadvertent change of operating mode	N/A
K.4	Interlock safeguard override	N/A
K.5	Fail-safe	N/A M
Aupolek	Compliance	N/A
K.6	Mechanically operated safety interlocks	N/A
K.6.1	Endurance requirement	N/A
K.6.2	Compliance and Test method	N/A
K.7	Interlock circuit isolation	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements (type and circuit location):	N/A
K.7.2	Overload test, Current (A)	N/A
K.7.3	Endurance test	N/A
K.7.4	Electric strength test:	N/A

L	DISCONNECT DEVICES	N/A
Litoier	General requirements	N/A
L.2 botek	Permanently connected equipment	N/A
L.3	Parts that remain energized	N/A
L.4	Single phase equipment	N/A
L.5	Three-phase equipment	N/A
L.6	Switches as disconnect devices	N/A
L.7	Plugs as disconnect devices	N/A
L.8	Multiple power sources	N/A

М	EQUIPMENT CONTAINING BATTERIES AND TH	HEIR PROTECTION CIRCUITS	N/A
M.1	General requirements	No such battery used	N/A
M.2	Safety of batteries and their cells	Anbor Anborek Anbore	N/A
M.2.1	Requirements	Anbors All botek Anb	N/A
M.2.2	Compliance and test method (identify method):	Aupose And Potek	N/A
M.3	Protection circuits	ptek Anbotes And botek	N/A
M.3.1	Requirements	shotek Anborer And	N/A
M.3.2	Tests	botek Anboten Anbo	N/A
notek	- Overcharging of a rechargeable battery	Anbotek Anbotek Anbo	N/A
Anbotek	- Unintentional charging of a non-rechargeable battery	Anbotek Anbotek Anb	N/A





Hotek 1	IEC 62368-1	botek Anbo, Air	, de,
Clause	Requirement + Test	Result - Remark	Verdict
Aurabotek	- Reverse charging of a rechargeable battery	tek obotek Anbotek	N/A
Ai.	- Excessive discharging rate for any battery	on All Abotek Anbotek	N/A
M.3.3	Compliance	hore An horek Anborek	N/A
M.4	Additional safeguards for equipment containing secondary lithium battery	Anbotek Anbotek Anbotek	N/A
M.4.1	General	Anborek Anbore An	N/A
M.4.2	Charging safeguards	ek abotek Anbote	N/A
M.4.2.1	Charging operating limits	ak abotek Anbotek	N/A
M.4.2.2a)	Charging voltage, current and temperature:	post All Potek Aupotek	
M.4.2.2 b)	Single faults in charging circuitry	Pupose Yungosek Vuposek	
M.4.3	Fire Enclosure	Aupore, Aug Polick Pupos	N/A
M.4.4	Endurance of equipment containing a secondary lithium battery	ek upotek Anbotek An	N/A
M.4.4.2	Preparation	rek abotek Anbotes	N/A
M.4.4.3	Drop and charge/discharge function tests	obotek Anbotek	N/A
De Della	Drop Andores Andores	Aupology Aupology	N/A
ye. bu	Charge	Anborre Anborr	N/A
upore	Discharge	Anbores And Sofek Ant	N/A
VI.4.4.4	Charge-discharge cycle test	sk Aupoise Aug	N/A
VI.4.4.5	Result of charge-discharge cycle test	otek Anborek Anbo	N/A
M.5 Anbot	Risk of burn due to short circuit during carrying	notek Anbotek Anbo	N/A
M.5.1	Requirement	rung, William William William	N/A
M.5.2	Compliance and Test Method (Test of P.2.3)	Anborek Anborek Anbor	N/A
M.6	Prevention of short circuits and protection from other effects of electric current	k Anbotek Anbotek Anb	N/A
И.6.1	Short circuits	otek Anbotes Anbo	N/A
И.6.1.1	General requirements	hotek Anbotek Anbo	N/A
M.6.1.2	Test method to simulate an internal fault	inbo otek Anbotek Anbous	N/A
M.6.1.3	Compliance (Specify M.6.1.2 or alternative method):	Anbotek Anbotek Anbo	N/A
M.6.2	Leakage current (mA):	Aupotek Aupo Mil	N/A
M.7 Anborek	Risk of explosion from lead acid and NiCd batteries	tek Anbotek Anbotek	N/A
M.7.1	Ventilation preventing explosive gas concentration	potek Vupotek Vupotek	N/A
M.7.2	Compliance and test method	Motek Anbotek Anbo	N/A
M.8	Protection against internal ignition from external spark sources of lead acid batteries	Anbotek Anbotek Anbo	N/A

Shenzhen Anbotek Compliance Laboratory Limited

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zek k	IEC 62368-1	Anbotek Anbotek Anbote	Y And
Clause	Requirement + Test	Result - Remark	Verdict
AUDO	atek Anbotte Ane	And Mek N.	upo.
M.8.1	General requirements	tek Anbotek Anbo	N/A
M.8.2	Test method	Lotek Anbotek Anbo	N/A
M.8.2.1	General requirements	no stek Anbotek Anbo.	N/A
M.8.2.2	Estimation of hypothetical volume Vz (m³/s):	Anti-	_
M.8.2.3	Correction factors	Anbo tek nbotek Anbo	
M.8.2.4	Calculation of distance d (mm)	Anbou Arek upotek Ar	
M.9	Preventing electrolyte spillage	lek Wupo, tek	N/A
M.9.1	Protection from electrolyte spillage	botek Anbourek	N/A
M.9.2	Tray for preventing electrolyte spillage	anbotek Anbott	N/A
M.10	Instructions to prevent reasonably foreseeable misuse (Determination of compliance: inspection, data review; or abnormal testing)	Anbotek Anbotek Anbot	N/A

	N	ELECTROCHEMICAL POTENTIALS		
20	k whot	Metal(s) used:	_	

2	0	MEASUREMENT OF CREEPAGE DISTANCES AND CLEARANCES				
	Anboter	Figures O.1 to O.20 of this Annex applied:	Anbotek Anb	_		

Р	SAFEGUARDS AGAINST ENTRY OF FOREIGN INTERNAL LIQUIDS	OBJECTS AND SPILLAGE OF	Anborek Anborek
P.1 Anbe	General requirements	No opening	Poore
P.2.2	Safeguards against entry of foreign object	No safeguards requirement.	N/A
nbotek	Location and Dimensions (mm)	anbotek Anbor An	_
P.2.3	Safeguard against the consequences of entry of foreign object	Anbotek Anbotek	N/A
P.2.3.1	Safeguards against the entry of a foreign object	otek Anbo	N/A
k Vupo	Openings in transportable equipment	mbotek Anbo. Sek Motek	N/A
otek Ar	Transportable equipment with metalized plastic parts:	Anbotek Anbotek Anbotek	N/A
P.2.3.2	Openings in transportable equipment in relation to metallized parts of a barrier or enclosure (identification of supplementary safeguard):	Anbotek Anbotek Anbotek A	N/A
P.3	Safeguards against spillage of internal liquids	And Stek Anbotek	N/A
P.3.1	General requirements	hoter And stek Anbotek	N/A
P.3.2	Determination of spillage consequences	Anbotek Anbotek	N/A
P.3.3	Spillage safeguards	Anborek Anbo. Lek abo	N/A M
P.3.4	Safeguards effectiveness	anborek Ambourk	N/A



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rek	IEC 62368-1	Anborek Anborek Anbore	V. Vius
Clause	Requirement + Test	Result - Remark	Verdict
Vupo,	West Wholes Mus of Pole	Alpo, Alloway	pote
P.4 Anboten	Metallized coatings and adhesive securing parts	tek Anbotek Anbo	N/A
P.4.2 a)	Conditioning testing	Lotek Anbotek Anbo	N/A
ek vup	Tc (°C)	no otek Anborek Anbor	_
rek.	Tr (°C)	And stek Anbotek Anbote	_
o tek	Ta (°C):	Anbotek Anbotek Anbo	_
P.4.2 b)	Abrasion testing	Anber Arek anbotek Ar	N/A
P.4.2 c)	Mechanical strength testing	lek Aupe, or Wolek	N/A

Q	CIRCUITS INTENDED FOR INTERCONNECTION	I WITH BUILDING WIRING	N/A
Q.1	Limited power sources	An Anborer Ann	N/A
Q.1.1 a)	Inherently limited output	Antotek Anbotek Anbe	N/A
Q.1.1 b)	Impedance limited output	And Anbotek Anbotek An	N/A
Anbotek	- Regulating network limited output under normal operating and simulated single fault condition	ootek Anbotek Anbotek	N/A
Q.1.1 c)	Overcurrent protective device limited output	hotek Anbores Anb	N/A
Q.1.1 d)	IC current limiter complying with G.9	Anbotek Anbotek Anbo	N/A
Q.1.2	Compliance and test method	And Anbotek Anbo	N/A
Q.2	Test for external circuits – paired conductor cable	Ans stek subotek Ant	N/A
Yupo.	Maximum output current (A)	Auponek Woodek	
Aupo,	Current limiting method	otek Pupa. Pupatek	_

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

S	TESTS FOR RESISTANCE TO HEAT AND FIRE		
S.1	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W	Anbotek Anbotek Anbo	N/A
Aupor	Samples, material	Hek Anbour ok Anborek	_
Aupolo	Wall thickness (mm)	abotek Anbote An botek	_
yek Aup	Conditioning (°C)	anborek Anbore Am horek	_
upotek P	Test flame according to IEC 60695-11-5 with conditions as set out	Anbotek Anbotek Anbo	N/A polo
Aupor	- Material not consumed completely	Anbo Ak botek Ar	N/A





Clause	Requirement + Test	Result - Remark	Verdict
Anbo.	patek Aupotes Nurs Otak Otak	Anato Anatok A	pote
Anbore	- Material extinguishes within 30s	itek Anbore All	N/A
Anbore	- No burning of layer or wrapping tissue	notek Anbote And	N/A
S.2	Flammability test for fire enclosure and fire barrier integrity	Anbotek Anbotek Anbotek	N/A
	Samples, material:	Anbotes And Otek Anbo	_
Aupoter	Wall thickness (mm):	Anboren And otek	_
Anbotek	Conditioning (°C)	tek Aupoten Mupa	_
Anbore	Test flame according to IEC 60695-11-5 with conditions as set out	botek Anbotek Anbotek	N/A
Ann	Test specimen does not show any additional hole	Anbore And Motek Anborek	N/A
S.3 P	Flammability test for the bottom of a fire enclosure	Anbores Anborek Anbor	N/A
	Samples, material:	ok hotek Anboten An	_
VI., Potek	Wall thickness (mm)	k hotek Anbotek	
Die.	Cheesecloth did not ignite	oote Antotek Antotek	N/A
S.4	Flammability classification of materials	Anbore Aris stek Anborek	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	Anbotek Anbotek Anbote	N/A
Anbors	Samples, material	ok Anbott	_
Anboro	Wall thickness (mm)	lotek Aupore Am	
. Aupo,	Conditioning (test condition), (°C):	abotek Anbores Ans	_
iek bu	Test flame according to IEC 60695-11-20 with conditions as set out	Anbotek Anbotek Anbote	N/A
anborek jbo	After every test specimen was not consumed completely	k Anbotek Anbotek Anb	N/A
Anbotek	After fifth flame application, flame extinguished within 1 min	otek Anbotek Anbotek	N/A

Т	MECHANICAL STRENGTH TESTS		
T.1ek	General requirements	abotek Anboro Air	tek P anb
T.2	Steady force test, 10 N	h abotek Anbores And	N/A
T.3	Steady force test, 30 N	ok botek Anbotes A	N/A
T.4	Steady force test, 100 N	A Anboren	N/A
T.5	Steady force test, 250 N	(See appended table T.5)	M.B.
T.6	Enclosure impact test	Anbore Ane Otek Anbore	N/A
oporer	Fall test	Anborer Anti-	N/A Mar
Aupotek	Swing test	Aupoles Aupolek	N/A





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rek k	IEC 62368-1	Anborek Anborek	V Ann
Clause	Requirement + Test	Result - Remark	Verdict
Anico	otek upotes And the potes	And	abote
T.7 Anboten	Drop test	(See appended table T.7)	nho'Pk
T.8 Anbote	Stress relief test		Porek
T.9 And	Impact Test (glass)	No glass used	N/A
T.9.1	General requirements	Anbotek Anbotek Anbo	N/A
T.9.2	Impact test and compliance	k hotek Anbotek Anb	N/A
An hotek	Impact energy (J):	ok hotek Anbotek Ar	_
Andrel	Height (m)	ok hotek Anbotet	_
T.10	Glass fragmentation test:	house y hotek Aupoten	N/A
T.11	Test for telescoping or rod antennas	Anbotek Anbotek	N/A
00,2 b	Torque value (Nm)	Anbor K Kotek Anbor	_

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

V	DETERMINATION OF ACCESSIBLE PARTS (FINGERS, PROBES AND WEDGES)				
V.1 Ambo	Accessible parts of equipment	Lotek Anbore	Aupo rek	abotek	PU/p
V.2	Accessible part criterion	And tek int	Josek Anbo.	ok potek	Roote



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core. tru	nbotek	Anborek	Aupo, Potek	IEC 62368-1	Anbote	Anbotek	Anborek	Vupo,
Clause	Anbotek	Requirer	nent + Test	Anbotek	Re	sult - Remark	Anbor	Verdict

4.1.2 TAE	BLE: List of critical com	ponents	Anbo	ek Aupois	And Prek
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹
Plastic enclosure	Formosa Chemicals & Fibre Corp Plastics DIV	AG15A1	HB, 60°C	UL 94	Ulk Ant
PCB	E-Top PCB Ltd	ETL-328D	V-0, 130°C	UL 796	ULipoter
(Alternative)	JIANGMEN JIANGHAI JINGCHUANGDA ELECTRONIC CO LTD	JCD-1 Anborek	V-0, 130°C	UL 796	UL Anbores Anbores Anbores Anbores
(Alternative)	JIAXIN PRINTED CIRCUIT BOARD MFR	KS-02	V-0, 130°C	UL 796	UL Anbotek Anbotek

Supplementary information:

1) an asterisk indicates a mark which assures the agreed level of surveillance.

4.8.4, 4.8.5	TABLE: Li	thium coin/button cell batte	ries mechanical tests	N/A
(The follow	ving mechanica	I tests are conducted in the se	quence noted.)	
4.8.4.2	TABLE: Sti	ess Relief test	Anbotek Anbo	_
1833	Part	Material	Oven Temperature (°C)	Comments
-ek	botek	Whose Pur-	anbotek Anbo ak- botek	Aupore - Au
4.8.4.3	TABLE: Ba	ttery replacement test	Anbotek Anbo. Ak Abotek	_
Battery pa	rt no		Anbotek Anbote ak Abotek	_
Battery Ins	stallation/withd	rawal	Battery Installation/Removal Cycle	Comments
Anbo	le Vu	otek Anbotek Anbo	tek potek 1 _{Anbore} An	otek Anbotek
			ak abotek 2 Anbotek An	-otek Anbote
			inbo	unt otek only
			Arboten Anboten	And -tek
			Anbore An 5 Anborek	Aupo-
			Anbore And Anbore	k Papo.
			tek Amboreet 8 mb	otek - Pupo,
			hot k Anborek 9 Anbo	abotek Anboro
potek	Aupo rok	abotek Anbote A	ntek Anborek 10 Anbor	aborek- Anb
4.8.4.4	TABLE: Dro	p test		_





Impacts per surface

Test position

Supplementary information:

4.8.4.6

TABLE: Crush test

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Comments

Duration force applied (s)

			IEC 62368-1				
Clause	Anbotek	Requirement + Test	K Anbotek	Verdict			
4.8.4, 4.8.5	TABLE: Lit	thium coin/button cell	batteries mecha	nical tests	Anbotek Anbotel	k Ant N/	Ä
(The follow	ving mechanical	tests are conducted in	the sequence note	d.)			
Impa	act Area	Drop Distanc	e e	Drop No.		Observat	ions
pore	Anshotek	Anbotek Anbo	k whotek	Anbore 1	hotek	Anbotek_	PU
Anbore	Andapotek	Anboter Anb	otek Imbotek	Anbor 2	Andotek	Anbore	V-
Aupo.	ek Anbotek	Aupores - Aug	abotek Anbote	Anba atek	anborel	. Vipos	*ek
4.8.4.5	TABLE: Imp	act Anbour	hotek Ant	Pup.	ek wpc		

Impact energy (Nm)

Crushing Force (N)

Surface tested

Surface tested

4.8.5	5 TABLE: Lithium coin/button cell batteries mechanical test result						N/A	
Test position		Surface to	ested	Force (N)			Duration force applied (s)	
Vupo,	K Pu Potek	Anboten	And	abotek	Vopo, V	Lotek L	Arboter	

5.2	Table:	Classification of	electrical energy	sources	s Abotek	Anbore	Aug	rek P ant
5.2.2.2 -	- Steady Sta	ite Voltage and Cu	rrent conditions					
		l continu (c. m			I			
No.	Supply Voltage	Location (e.g. circuit designation)	Test conditions		U (Vrms or Vpk)	l (Apk or Arms)	Hz	ES Class
spotek	Anbore	Ar. Otek	Normal	loc ex	5.01Vrms	Anboro V	blu-	tak aug
1 totek	5VDC*	USB input terminal	Abnormal:		5.02Vrms	Aupole	_Aup	ES1
VU.	rek An	otek tommado	Single fault: C4 S	SC Mapo	- No.	stek - Anbot	_ A	no otek
5.2.2.3 -	Capacitano	e Limits	•					
	Supply	Location (e.g.			Para	meters		
No.	Voltage	circuit designation)	Test conditions	Test conditions Cap		Upk ((V)	ES Class
upo.	-bote	k Aupore.	Normal:	npotek	-Anbo.	. potek	Anbo	- And





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Claus	e botel	Requiren	nent + Test	Anboten An	Result - Rer	mark	Verdict
VUPOL	- A	tek anboten	PUD.	-hole	Vupo, V	atek a	Uporer.
	ek Aup.	potek Anboti	Abnormal:	Vupotek-	Aupore	Anbabotek	
9K VL	portek A	Anbotek Ant	Single fault: SC/OC	k Anbotek	ek upotek	- Aupotek	Anbore
.2.2.4 -	Single Pulse	es					
	Supply	Location (e.g.			Parameters		
lo.	Voltage	circuit designation)	Test conditions	Duration (ms)	Upk (V)	lpk (mA)	ES Class
Ano	tek	Potek Aupor	Normal	Anhore	Yup -tek	, nbotek	Aupo,
PU	00. K	abotek Anb	Abnormal	k Anborek	Anbo	n b otek	Anbore
	Anbotek Anbo	Anbotek	Single fault – SC/OC	otek - Anbote	tek Anbore	Anbotek	
.2.2.5 -	Repetitive P	ulses					
	Supply	Location (e.g.	_		Parameters		
	/oltage	circuit designation)	Test conditions	Off time (ms)	Upk (V)	Ipk (mA)	ES Class
Die.	*otek	Anbotek Anb	Normal	Anboro	- Am work	Anbotek	Anbe
	And -tek	anbotek p	Abnormal	anbore Anbore	- And otel	L- anborek	Aupo,
ster ok	Anbernbotek	Anborek	Single fault – SC/OC	nbotek Anb	otek And	stek Anbote	ak An

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

* means that unit supplied by 5VDC power source.

5.4.1.4, 6.3.2, 9.0, B.2.6	TABLE: Thermal requirements	tek Anbotek	Aupolek	ek Anbotek	tek Aupote	Nek P An
Aupo	Supply voltage (V):	5VDC	Jek - Aupor	rek -	potek - P	_
N Aupo	Ambient T _{min} (°C):	25.1	ipotek - Yu	0, 6 <u>k</u>	aborek	_
otel. V	Ambient T _{max} (°C):	25.6	Anborek	Anbo. atek	Vupotek	_
nbote	Tma (°C):	40.0	Anhores	And otek	Anbotek	
Maximum part/at:	measured temperature T of		T (°C)		Allowed T _{max} (°C)
PCB near	U1ek anbotek Anbo sek	44.6	Pose T	-orel	Aupotek	130
E-cap. C14	cotek Anbotek Anbotek	45.5	Anbore	into hotek	Aupotek	105
⊵1	Ann Otek Anbotek Anbotek	43.2	Anbores	Aug	Anbotek	130
PCB near I	LED1 ntek Anbotek Anbo	44.7	A-bores.	Vila.	k - npo	130

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iek bir	abotek Anbotes An	otek	IEC 62368-	Aupo.	,ek	abotek	Anbore	And
Clause	Requiremen	nt + Test	Anborel	An	Resul	t - Remark	Aupore.	Verdict
AUD	potek Aupore	been	ok no	te.	AUD		ek hup,	5.
Input cable (internal)	Anbo	42.6	holek	- Anboro	- Pur	wek -	80
Plastic enclo	sure inside near PCB	Pk Pu	41.4	hotek	- Anbo	tor Tu	ore <u>r</u>	Ref.
Touch temp	perature clause 9.0	otek	Anbore	Vur	K Ar	botek	Anbo	nbot
Plastic enclo	osure near PCB, outside (>1	mins)	29.7	Vur	otek	Anbotek	Anbo rek	48*
USB input te	erminal surface (<1 s)	nbotek	25.8	-K An	- hotek	Arbotek	Vupo	77#
Ambient	Anborek Anbo	nbot ⁶	25.5	to.	yorek	-Anbore	- Aupo	*ek-
201	ary information:	k vul	jotek Ar	boto	Vur.	ek Ant	otek A	ipo.
D. * means t	that surfaces touched occas	ionally for	very short p	eriods (>	1 s and	< 10 s).		
E. # means s	surfaces touched in normal i	use (> 1 m	in).					
Temperature	T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	R ₂ (Ω)	T (°C)	Allowed	Insulat
					, ,		T _{max} (°C)	on
								class
- Anbore	An Anbotek	Aupo	rek -	potek_	Anbore	Die.	otek An	poter-
Supplement	ary information:	Anb	O	hotek	Anbor	Vu _p	tek	nbotek

5.4.1.10.2	TABLE: Vicat so	ftening tempe	erature of the	rmoplastics	N/A		
Penetration	ı (mm)		:	in Air	ek Anbore	Ano	_
Object/ Par	t No./Material			Manufacturer/t rademark	Т	softening (°C)	
- Anboro	Y Potek	Anboiek	And	abovek	Anbore	No.	Aupolen
Supplemen	tary information:	Anbotek	Aupo.	botek	Anbore	Vue Viek	upotek

5.4.1.10.3	TABLE: Ball pre	essure test of thermoplastic	s An hotek An	Doler Wipe	N/A
Allowed imp	oression diameter	(mm):	≤ 2 mm	Anbotek Anb	_
Object/Part No./Material Ma		Manufacturer/trademark	Test temperature (°C)	Impression dia	meter (mm)
- Vur	ek Anborek	- Aupo, wek spotek	Anbore - And	anbotek	Anbo
Supplemen	tary information:	Anbor Are borek	Anbores Anb	k upotek	Anbore

5.4.2.2, 5.4.2.4 and 5.4.3	TABLE: Minimum C	Clearance	s/Creepa	ge distance	Anbotek Anbotek	Anbo*	otek Anbi	N/A
	l) and creepage at/of/between:	Up (V)	U r.m.s. (V)	Frequency (kHz)#	Required cl (mm)	cl (mm)	Required cr (mm)	cr (mm)
Basic/supple	mentary insulation	Yun Olek	, upo	lek Aupo,	SK Di	hotek	Anbore	Vur Viel
Die Die	botek Anboten	Aup	»k	potek An	00'-	-botek	Arboter	Bup
Reinforced in	sulation	Ano	otek .	nbotek	Aupor	No.	ik Anbo	YUP.
-Pupote	Anborek Anbore	_ An	otok.	anbatek .	Aupo,	F	orek Ar	poter A

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ore. Pur	nbotek	Anborek	Aupor	IEC 62368-1	Auporen	kupotek	Anborek	V Vupo,
Clause	Anbotek	Requir	ement + Test	k Anbotek	Re	sult - Remark	Anbo	Verdict

Supplementary information:

,ek	Overvoltage Category (OV):	Anboter Anti	tek abotek	Aupo, K
o, rek	Pollution Degree:	anbotek A	upo, stek upotel	Vupore, Vu
Clearance	e distanced between:	Required withstand voltage	Required cl (mm)	Measured cl (mm)
Basic / su	pplementary insulation	Anbore. And stek	anbotek A	upo. W. Wolek
the Dis	potek Aupotes Augusta	Anbores Anbor	tek Anbotek	Aupore - Aug
D : (d insulation	Anbores Ans	riek Anborek	Auport An
Reinforce				

5.4.2.4	TABLE: Clearances bas	ed on electric strength	test	Anbo	I/A orek
Test voltage	e applied between:	Required cl (mm)	Test voltage (Kv) peak/ r.m.s. / d.c.	Breakdown Yes / No	
Alibore.	And stek subotek	Aupo, ok- hotel	Anbote An	otek -nbotek	PZ
Supplement	tary information: Not used t	ne alternative method to	l determine the clearance	es. tek Anbot	N.

5.4.4.2, TABLE: Distant 5.4.4.5 c) 5.4.4.9	ce through insulation	n measurem	ents	otek Anbou	N/A Anborek
Distance through insulation di at/of:	Peak voltage (V)	Frequency (Hz)	Material	Required DTI (mm)	DTI (mm)
-Anbo tek abotek	Aupore - Au	- Anbore	70pg	hotek	Anboro
Supplementary information:	Anbore. Ans	niek anb	otek Anbo	rek spotek	Anbore

5.4.9	TABLE: Electric strength tests	Anbo tek anbotek	Anbore An	N/A
Test voltag	e applied between:	Voltage shape (AC, DC)	Test voltage (V)	Breakdown Yes / No
Functional:	hotek Anbore Ann	otek anbotek Ar	ipo. K. potek	Anbore
Pupose	ok hotek Anboren Anb	tek - abotek	Anbore - Antonio	Arto of er
Basic/supp	lementary:	inbo tek abotek	Anbore Ani	otek Anbotek
Pak Au	pore Annotek Anbotek	Anbound - Abotek	Aupore Aug	work - Aupore
Reinforced	Anborek Anb	Anbo. ok ho	ek Anbote A	inc stek and
nbotek	Anbotek Anbotek Anbotek	Anbor And	orek Anborek	Anbo





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ore kn	abotek	Aupoles	Anbe	IEC 62368-1	Aupore	Anbotek	Anbores	ok Anbo
Clause	Motek	Requir	ement + Test	Anbotek	Anbe Re	sult - Remark	Anbor	Verdict
AUD	-otek	Pupor	Pr.	set hote	And	2000	K 07	bo _r

5.4.9	TABLE: Electric strength tests			Die. Die.	All hotek Anbe			ak an	N/A
Test voltage applied between:				Voltage shape (AC, DC)		Test voltage (V)		Breakdown Yes / No	
Routine Tes	sts:	upotek	Aupo.	A. borek	Anbore.	Ans	otek .	upotek	Vupo.
(totel	Anbo	anborek	Aupor	Notek.	Anbo	S. Vu	- sek	upotek_	PUL
Supplemen	tary informa	ation:	Anbore	K Wotel	k An	poter	Anbo	nbote	K

Anbo	h	K mbore	Aug	abotek.	Aupo h.	-dek	anbore
5.5.2.2	TABLE: St	ored discharg	e on capacitor	S ATT	ek Anboten A	'upe ak	N/A
Supply Voltag	ge (V), Hz	Test Location	Operating Condition (N, S)	Switch position On or off	Measured Voltage (after 2 seconds)	ES Clas	ssification
abotek -	Anbore	Ans	Anbotek	Tupo	abotek Anbote	K	-orek
Supplementa	ary informat	ion: Amb					
X-capacitors	installed fo	r testing are: -	k hotek				
□ bleeding	resistor ra	ting: 📈 📈					
☐ ICX:		, <u>-</u> //- //-					
Notes:							
A. Test Locat	tion:						
Phase to Neu	utral; Phase	to Phase; Ph	ase to Earth; an	d/or Neutral t	to Earth		
B. Operating	g condition a	abbreviations:					
N – Normal c	perating co	ondition (e.g., r	normal operation	n, or open fus	e); S –Single fault con	ndition	
OC- Opened	circuit	iek Anbore	Aup	k abote	k Aupore W		

5.6.6.2 TABLE: Resistance of protective conductors and terminations								
A	ccessible part		Test current (A)	Duration (min)	Voltage dr (V)	ор Г	Resistance (Ω)	
bupo,	hotek.	Aupote	Vun.	Anbotek	Vupo, - W.	-botek	Aribote.	
Supplement	ary information:	Anboten	Anbo	hotek	Anbore	Air.	Anborek	

5.7.2.2, 5.7.4 TABLE: Earthed accessible conductive parts.	t Anbotek Anbotek Anb	N/A Anbore
Supply voltage	orok Anbore. And Stek	_
Location	Test conditions specified in 6.1 of IEC 60990 or Fault Condition No in IEC 60990 clause 6.2.2.1 through 6.2.2.8, except for 6.2.2.7	Touch current (mA)
Measured to PE	Anbotek 1 nbotek Anb	N/A
ak abotek Anboten Anb	2*	N/A
abote Anti-	stek Andon 3	M/A Ambore
Anbote Ant Sotek Anbotek Anbo. Ak	abotek Anbord And hotek	<u>N/A</u>



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ogg, ky	abotek An	potek Anbo	IEC 6236	68-1	ek vap	otek p	nborek	-k Anbu
Clause	Anbotek	Requirement + To	est	otek Anbo	Result - Re	emark	Aupo,	Verdict
Anbotek	Anbotek	Anbo, Anborek	Anbotek	Aupole, Ar	An 5 tek	Anbotek	20	<u>N/A</u>
Anbore			Aupoten	Aug	6 botek	Aupo	*ek	N/A
itek not			Anboten	Andorsek	8 Anbotek	Anb	, ak	N/A

Supplementary Information:

Notes:

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

N: Normal condition, R: Reverse condition.

6.2.2 Ta	6.2.2 Table: Electrical power sources (PS) measurements for classification P										
Source Description		Measurement	Max Power after 3 s	Max Power after 5 s*)	PS Classification						
hotek Anbote	AUD.	Power (W) :	Aupo, Au	lek Wipoles b	no stek nobot						
A&	USB input terminal	V _A (V) :	Aupor Au	hotek Anbotek	PS2						
Ann	inpotek Au	I _A (A) :	sk Wipole K	hotek Anbotek	Wupo.						

Supplementary Information: SC: short circuit

- (&) Power measurement for worst-case fault.
- (#) Power measurement for worst-case power source fault.

This product was supplied by PC's USB port, which output is 5VDC and was classified as PS2 during test.

6.2.3.1	3.1 Table: Determination of Potential Ignition Sources (Arcing PIS)									
		Open circuit voltage After 3 s	Measured r.m.s	Calculated value	Arcing PIS?					
	Location	(Vp)	(Irms)	(V _p x I _{rms})	Yes / No					
oter. P	up apotek	Mupo, K	Potek Aupote	VUD.	abotek - Anbo.					

Supplementary information:

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

6	5.2.3.2	Table: Determination of Potential Ignition Sources (Resistive PIS)									
	Circuit Loc	cation (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				





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our hu	anbotek	Anbotek	Anbo	IEC 62368-1	Aupore	k anbotek	Anbores	ok Augo
Clause	Anbotek	Requiren	nent + Test	Anbotek	Anbo	Result - Remark	Anbo	Verdict
VUD	-otek	VUpo.	Dr.	ok boje	VU.	· · · · · · · · · · · · · · · · · · ·	JK 0.7	100.
All intern	nal circuits	al. anboth	sk Aupo	- VII.	otek	inpoter Aug	-xek	nbotek

Supplementary Information:

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

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

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

8.5.5 TABLE: High Pressure Lamp	por Anbotek Anbo	N/A
Description	Values	Energy Source Classification
Lamp type	Anbo. Ak abotek	_
Manufacturer	Aupo, W. W. Polsk	_
Cat no	k Anbore Am hotek	_
Pressure (cold) (MPa)	otek Anbore Am	MS_ AMDO MS_
Pressure (operating) (MPa)	botek Anbote. And	MS_
Operating time (minutes)	hotek Anboten An	_
Explosion method:	Anbotek Anbotek	_
Max particle length escaping enclosure (mm) .:	And Anbotek	MS_
Max particle length beyond 1 m (mm)	And otek Anbotek	MS_
Overall result	oter And stek anbote	k Anbor An botek
Supplementary information:	inpoter Aupo	otek Anbors Ans

B.2.5	TABLE:	Input test					Р
U (V)	I (A)	Irated (A)	P (W)	P rated (W)	Fuse No	Ifuse (A)	Condition/status
5VDC	0.87	2 nb	4.35	00, K	boyek	Aupole.	The normal work
5VDC	1.47	2	7.35	Aupor-	Dr.	Cr.poter	Output load: 5W

B.3	TABLE: At	normal op	erating c	onditio	n tests			N/A	
Ambient tem	perature (°C				:			_	
Power source	Power source for EUT: Manufacturer, model/type, output rating .:								
Component No.	Abnormal Condition	Supply voltage, (V)	Test time (ms)	Fuse no.	Fuse current, (A)	T-couple	Temp. (°C)	Observation	
100. K.	abole)t	Anbore.	VU	ek	Aupotek	Vupo	- potek Ar	DOLO. VILLE	
Supplementa	ary informati	on: S-C = s	hort circui	t	bořek	Aupo.	Prin Otek	Aupore. P	





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opte M	anbotek.	Anbotek Anbo	IEC 62368-1	Anbote	Anbotek	Anborek	ak Aupo
Clause	Anbotek	Requirement + Test	K Anbotek	Res	sult - Remark	Aupo	Verdict

B.4	TABLE: Fa	ult conditi	on tests					Р
Ambient tempera	ature (°C)				:	25.3		_
Power source for	r EUT: Manu	facturer, m	odel/type	, output	rating .:	See cover details	page for	_
Component No.	Fault Condition	Supply voltage, (V)	Test time (ms)	Fuse no.	Fuse current, (A)	T-couple	Temp. (°C)	Observation
R3 Anborek	S-C	5VDC	10mins	Vupotek Oo,	0.037	tek Anbo	botek An	Unit working normally, no hazard, no damage.
C4 Anborek Anborek	S-C	5VDC	10mins	ik Aut	0.001	Anbotek Anbotek	Anbotek Anbotek	Unit shut down immediately, no hazard, no damage.
U1 pin 3-4	S-C	5VDC	10mins	Anbotek Anbotek	0.001	iek Aupo	ootek Ani	Unit shut down immediately, no hazard, no damage.
Wireless output	S-C Million	5VDC	10mins	Anb	0.001	Anbotek Anbotek	Anbotek Anbotek	Unit shut down immediately, no hazard, no damage.

S-C = short circuit.

Annex M	TABLE: Batt	eries						P.C		N/A
The tests o	of Annex M are	applicable o	only when app	oropriate b	attery data	is not ava	ilable		Vupo.	-ok
Is it possible	le to install the	battery in a	reverse polar	ity position	1?	And	No No	ek	DU	- ok
	Non-re	echargeable	e batteries		ı	Rechargea	ble batteri	es		
	Discharging Un- Charging			rging	Disch	arging	Rev	versed charging		
	Meas. current	Manuf. Specs.	intentional charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Me		Manuf. Specs.
Max. curreduring norrecondition		Anbotek Anbotek	Anbotek Anbotek	Anbote Anb	otek - An	unbotek hotek	Anbote Anbote		Anbo	otek An
Test results	s: .v	iek an	20. bi	*ek	abote	Ann	\(\sigma_{-}\)	~0 ¹ 6	κ ,	/erdict
- Chemical	OO'C ATT	botek	Aupolok b	hotek	Anbore	ik bus	ter -	Vup.	otek	NO
- Explosion	of the battery	abotek	Anbore	Vi.	k Anb	Otek I	VO.		nbotel	NO MOD
- Emission	of flame or exp	ulsion of m	olten metal	Aug	tek .	abotek	Aupo	V		NO





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rek V	IEC 6236	68-1 Anbotto
Clause	Requirement + Test	Result - Remark Verdi
- Electric str	rength tests of equipment after completion of tes	sts olek Modek Autolek Modek
Supplemen	tary information:	Anse stek Sporter Anbers An hos

Annex M.4	Table: batteri	Additional safe	guards for eq	uipment co	ontaining s	econdar	y lithium	Anborek	N/A
Battery/Cell		Test conditions			Measurements				
No.	No.			U (V)	/) I (A) Temp (°C)			Observation	
YUN -	rek	Normal	Po. 1	ootek-	Aupole.	Aur	otek A'	uposek	Mupo.
No. Vun	hotek	Single fault:	Anbox A	Nerodo	AIT'SOTON	K VUD	borek.	Arbotek	- Vupo.
nboron _P	motek	Abnormal :	Aupor	nnbotek.	-Aupor	-ok	un-potek	Anbotek	- Aup
Supplement	ary Info	mation: SC = sh	nort circuit.	nbot	ek Ant	00.	pir botek	Anbor	b. b
Battery identificat		Charging at T _{lowest}	Observ	ation	Charg T _{hig}	hest	(Observation	1

Supplementary Information: The battery surface not exceeds the highest and lowest specified charging temperature under normal operating conditions, abnormal operating conditions or single fault conditions.

Annex Q.1	TABLE: Circuits inte	nded for interco	nnection with	building wirin	g (LPS)	N/A	
Note: Meas	ured UOC (V) with all lo	ad circuits discon	nected:	otek Anbote	YUP VI	arbotek	
Output	Components	U _{oc} (V)	Isc	(A)	S (VA)		
Circuit			Meas.	Limit	Meas.	Limit	
We Ofek	Anbotek Anbo.	k -botek	Antore.	Aug - Otek	Aupotok	rupo -	
Supplemen	tary Information:	ek abotek	Anborer	Aup	Anbotek	Aupo, ek	

T.2, T.3, T.4, T.5	Steady for	ce test	Anbotek	Anbotek	Anbotek Anbotek A.P. ofer
Part/Location	Material	Thickness (mm)	Force (N)	Test Duration (sec)	Observation
Top enclosure	See	Min.	100N	botek 5 Anh	No damaged, no hazard
Bottom enclosure	table 4.1.2	thickness: 1.5mm	100N	5	No damaged, no hazard
Side enclosure	.eV	A 1.5mm	100N	5 rek	No damaged, no hazard
Supplementary inform	ation:	photek	Auporen	K Wotek	Anbotek Anbot tek abote

PC	.6, T.9	TABLE: Impact tests				Anbo	N/A
		1/1.					



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Cor Kin	nbotek	Anbotes Anber	IEC 62368-1	Anbore	Anbotek	Aupore	ak Anao
Clause	Anbotek	Requirement + Tes	tk Anbotek	Re	sult - Remark	Anbo	Verdict

Part/Location	Material	Thickness (mm)	Vertical distance (mm)	Obse	ervation	
An-	Anbotek An	po	tek -Anbore	K Motek	Anborek	Aupo
Supplementary inf	ormation:	Anbo. Ak	botek Anbot	And	Anbotek	Aupo.
Inbotes Anb	ek abotek	Anbor	hotek Ant	Joseph And	abotek	Anb

T.70 of element	TABLE	: Drop tests	Anbore	Arr	Anbotek Anbotek P
Part/Lo	cation	Material	Thickness (mm)	Drop Height (mm)	Observation
Top enclos	sure	See table	00, b.	1000	No damage, no hazard.
Bottom en	closure	4.1.2	Aupois No.	1000	No damage, no hazard.
Side enclo	sure	A. Anbotek	Aupon-	1000	No damage, no hazard.
Suppleme	ntary infor	mation:	Aupo, ok	Potek	Anbores Anborek

T.8 TABLE	E: Stress relief to	est ^k knbon	Ar hotek	Anboten	Anti-
Part/Location	Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observation
Plastic enclosure	Plastic	Anborek	70	nbotek 7 Anb	No damaged, no hazard.
Supplementary infor	mation:	k Anborek	Anbo.	h. spotek	upoter Ann Lotek

Report No. 18220WC20068902S

Verdict



*ek	botek	IEC62368	_1D - ATTACHMEN	Tek abotek	Anborek	Y Pupo.
Clause	abotek	Requirement + Test	Anbotek Anb	Result - Remark	(Yupo,	Verdict

ATTACHMENT TO TEST REPORT

IEC 62368-1

EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

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

Differences according to EN 62368-1:2014+A11:2017

CENELEC COMMON MODIFICATIONS (EN)

Attachment Form No. EU_GD_IEC62368_1D_II

Attachment Originator...... Nemko AS

Master Attachment Date 2021-02-04

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rote Pulo	-1:2014 are prefix llowing annexes:	Anbo	ter And	ak Anbore	ak Auport	ek Ai.
1/9	(normative)		ative references neir correspondir			potek
Annex ZC	(normative) (informative)	Speci A-dev	al national condit iations	tions		Anbotek
Annex ZD	(informative)	cords	nd CENELEC co	de designatio	ons for flexible	Aupora
Delete all to the follow		es in the refe	erence documen	t (IEC 62368-	1:2014) accordi	ng
0.2.1	Note	1	Note 3	4.1.15	Note	49F
0.2.1						2.0
4.7.3	Note 1 and 2	5.2.2.2	Note	5.4.2.3.2.2 Table 13	Note c	nbotek
202		5.2.2.2	Note 2		Note c	nbotek Anbotek
4.7.3				Table 13		nbotsk Anbotsk Anbotsk
4.7.3 5.4.2.3.2.	Note 1 and 3	5.4.2.5	Note 2	Table 13 5.4.5.1	Note	nbotek Anbotek Anbotek

Shenzhen Anbotek Compliance Laboratory Limited





	IEC62368_1D - ATTAC	HMENT	
Clause	Requirement + Test	Result - Remark	Verdict
Anbotek Anbotek	Add the following note: NOTE Z1 The use of certain substances in electrical and electronic equipment is restricted within the EU: see Directive 2011/65/EU.	otek Anbotek Anbotek Anbotek	N/A
	otek Anbotek Anbotek Anbotek	unbotek Anbotek Anbotek	Anb
4.Z1	Add the following new subclause after 4.9:	Potek Aupotes Aug	N/A
	To protect against excessive current, short-circuits and earth faults in circuits connected to an a.c. mains , protective devices shall be included either as integral parts of the equipment or as parts of the building installation, subject to the following, a), b) and c):	otek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
	a) except as detailed in b) and c), protective devices necessary to comply with the requirements of B.3.1 and B.4 shall be included as parts of the equipment;	Anbotek Anbotek Anbotek Anbotek	kek Anbe
	b) for components in series with the mains input to the equipment such as the supply cord, appliance coupler, r.f.i. filter and switch, short-circuit and earth fault protection may be provided by protective devices in the building installation;	tek Anbotek Anbotek Jotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
	c) it is permitted for pluggable equipment type B or permanently connected equipment , to rely on dedicated overcurrent and short-circuit protection in the building installation, provided that the means of protection, e.g. fuses or circuit breakers, is fully specified in the installation instructions.	Anbotek	ek Andorek
	If reliance is placed on protection in the building installation, the installation instructions shall so state, except that for pluggable equipment type A the building installation shall be regarded as providing protection in accordance with the rating of the wall socket outlet.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbot k Anbot
5.4.2.3.2.4	Add the following to the end of this subclause:	K hotek Ambores An	N/A
	The requirement for interconnection with external circuit is in addition given in EN 50491-3:2009.	otek Anbotek Anbotek	anborek
10.2.1	Add the following to c) and d) in table 39: For additional requirements, see 10.5.1.	Anbotek Anbotek Anbotek	N/A

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	IEC62368_1D - ATTAC	HMENT	
Clause	Requirement + Test	Result - Remark	Verdict
10.5.1	Add the following after the first paragraph:	K Spotek Aubote, Au	N/A
Anbotek	For RS 1 compliance is checked by measurement under the following conditions:	otek Anbotek Anbotek	Anbotek
	In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or presets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbot otek nbotek
	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.	hotek Anbotek Anboten	Anunbote
	The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm ² , at any point 10 cm from the outer surface of the apparatus.	Anbotek Anbotek Anbotek Anbotek	Pup Vup
	Moreover, the measurement shall be made under fault conditions causing an increase of the high-voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made.	tek Anbotek Anbotek Anbotek	Anbotek Anbotek
	For RS1, the dose-rate shall not exceed 1 μSv/h taking account of the background level. NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996.	Anbotek Anbotek Anbotek Anbotek	lek Aup
10.6.1	Add the following paragraph to the end of the subclause: EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	ek Anbotek Anbotek Arbotek	N/A
10.Z1	DI V LOTE MAN	Polsk Vupojer Vup	N/A
10.21	Add the following new subclause after 10.6.5. 10.Z1 Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz	Anbotek Anbotek Anbot	N/A
	The amount of non-ionizing radiation is regulated by European Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz).	ek Anbotek Anbotek Anbotek Dotek Anbotek Anbotek	Anbotek Anbotek
	For intentional radiators, ICNIRP guidelines should be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (up to 300 GHz). For handheld and body-mounted devices, attention is drawn to EN 50360 and EN 50566	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	otek Arbotek
G.7.1 house	Add the following note: NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in Annex ZD.	otek Anbotek Anbotek	N/A





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Requirement + Test Result - Remark	Verdict
abotek hupo, hi olek Mpote, hup	0.
Add the following standards:	NIZA
Add the following potes for the standards indicated:	N/A
of hour by	abotek
	b.,
	AUD
	L DI
Up Toke Toke The Thirty The Thirt	rek.
IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4.	0,-
IEC 60664-5 NOTE Harmonized as EN 60664-5.	upotek
IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified).	hotek
IEC 61508-1 NOTE Harmonized as EN 61508-1.	AMO
IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1.	Anbor
IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4.	
IEC 61558-2-6 NOTE Harmonized as EN 61558-2-6.	r bi.
IEC 61643-1 NOTE Harmonized as EN 61643-1.	le.
	hotek
	- rek
	Aupor
	nbote
Buy Sak Vilage Will Mark Posts. Will	N/A
rate, Muh. , Telt "Vao, Ib., A rate, Muh.	N/A
The same of the sa	4
A TOPE AND	poter
	botek
if safety relies on connection to reliable earthing or	Vien
	Pupo.
	anb
	K
k colo Aur col	P
be as follows:	otek
In Denmark : "Apparatets stikprop skal tilsluttes en	otek
stikkontakt med jord som giver forbindelse til	YUPO OK
No.	Anbote.
	Anbo
In Norway : "Apparatet må tilkoples jordet	k bi
the	Nek
uttag"	- notek
United Kingdom	N/A
To the end of the subclause the following is added:	Aupo.
The torque test is performed using a socket-outlet	nbo'
. ()	
complying with BS 1363, and the plug part shall be assessed to the relevant clauses of BS 1363. Also	P.
	IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified). IEC 61508-1 NOTE Harmonized as EN 61508-1. IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1. IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4. IEC 61643-1 NOTE Harmonized as EN 61643-1. IEC 61643-21 NOTE Harmonized as EN 61643-21. IEC 61643-311 NOTE Harmonized as EN 61643-311. IEC 61643-321 NOTE Harmonized as EN 61643-321. IEC 61643-321 NOTE Harmonized as EN 61643-321. IEC 61643-331 NOTE Harmonized as EN 61643-331. ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN) Denmark, Finland, Norway and Sweden To the end of the subclause the following is added: Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet. The marking text in the applicable countries shall be as follows: In Denmark: "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til stikproppens jord." In Finland: "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan" In Norway: "Apparatet må tilkoples jordet stikkontakt" In Sweden: "Apparaten skall anslutas till jordat uttag" United Kingdom To the end of the subclause the following is added:





otek An	IEC62368_1D - ATTAC	Pup.	ok and
Clause	Requirement + Test	Result - Remark	Verdict
5.2.2.2	Denmark After the 2nd paragraph add the following: A warning (marking safeguard) for high touch current is required if the touch current exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	otek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N/A
5.4.11.1 and Annex G	Finland and Sweden To the end of the subclause the following is added: For separation of the telecommunication network from earth the following is applicable: If this insulation is solid, including insulation forming part of a component, it shall at least consist of either • two layers of thin sheet material, each of which	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	N/A hotek Anborek Anborek
	shall pass the electric strength test below, or • one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	Anbotek Anbotek Anbo	losek b
	If this insulation forms part of a semiconductor component (e.g. an optocoupler), there is no distance through insulation requirement for the insulation consisting of an insulating compound completely filling the casing, so that clearances and creepage distances do not exist, if the component passes the electric strength test in accordance with the compliance clause below and in addition	tek Anbotek	Anbotek Anbotek Anbo
	• passes the tests and inspection criteria of 5.4.8 with an electric strength test of 1,5 kV multiplied by 1,6 (the electric strength test of 5.4.9 shall be performed using 1,5 kV), and	potek Anbotek Anbotek	Anbotek
	• is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5kV.	Anbotek Anbotek Anbotek Anbot	ek An
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	ak Anbotek Anbotek An	Anbotek Anbotek
	A capacitor classified Y3 according to EN 60384- 14:2005, may bridge this insulation under the following conditions:	Anbotek Anbotek Anbotek	Anbor
	• the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3 testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;	Anbotek Anbotek Anbotek Anbotek	otek Anl
	• the additional testing shall be performed on all the test specimens as described in EN 60384-14;	otek Anborek Anborek	Anbote.
	the impulse test of 2,5 kV is to be performed before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14.	Anbotek Anbotek Anbote	k Aup

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*ek	IEC62368_1D - ATTAC	HMENT	PLUE P
Clause	Requirement + Test	Result - Remark	Verdict
Ann	Potek Anbo, All Diek Minotes	And sek solek Ant	0.
5.5.2.1	Norway After the 3rd paragraph the following is added:	k Auporo Au	N/A
	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	inbotek Anbotek Anbotek	Anbore
5.5.6	Finland, Norway and Sweden	Anbor Ak hotek Anbore	N/A
	To the end of the subclause the following is added:	Anbores And	otek b
Anbotek Anbotek	Resistors used as basic safeguard or bridging basic insulation in class I pluggable equipment type A shall comply with G.10.1 and the test of G.10.2.	otek Anbotek Anbotek Anbotek	hbotek Anbotek
5.6.1	Denmark botek	inbote Amboten	N/A
otek And	Add to the end of the subclause	Anbotek Anbo	Anbo
nbotek Anbotek Anbotek Anbotek Anbote	Due to many existing installations where the socket-outlets can be protected with fuses with higher rating than the rating of the socket-outlets the protection for pluggable equipment type A shall be an integral part of the equipment. Justification: In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek Anbotek
5.6.4.2.1	Ireland and United Kingdom	Andrek Anbores And	N/A
Anbotek	After the indent for pluggable equipment type A , the following is added:	Anbotek Anbotek Anbo	Potek VI
Anbotek	 the protective current rating is taken to be 13 A, this being the largest rating of fuse used in the mains plug. 	ek Anbotek Anbotek Anbotek	Anbotek
5.6.5.1	To the second paragraph the following is added:	botek Anbotek Anbo	N/A
Anbotek An	The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is: 1,25 mm ² to 1,5 mm ² in cross-sectional area.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	otek An
5.7.5	Denmark	-k hotek Aupoter	N/A
O.T.OANDU	To the end of the subclause the following is added:	poter Pupp	Anber
	The installation instruction shall be affixed to the equipment if the protective conductor current exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	Anbotek Anbotek Anbotek	Anboh Anh



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

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





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Anbotek To	Requirement + Test nited Kingdom the end of the subclause the following is added:	Result - Remark	Verdict
Anbotek To	The state of the s	k Anbotek Anbotek	wpo.
Anbotek To	The state of the s	k Anbore An	
100	the end of the subclause the following is added:		N/A
, akTh		tek abotek Anbo	hotek
	e plug part of direct plug-in equipment shall be	io. All sofek Ambores	And
	sessed to BS 1363: Part 1, 12.1, 12.2, 12.3,	inboten And	k Aupo,
	.9, 12.11, 12.12, 12.13, 12.16, and 12.17, cept that the test of 12.17 is performed at not	botek Anbore An	atel an
	ss than 125 °C. Where the metal earth pin is	And tek anbotek Anb	76
	placed by an Insulated Shutter Opening Device	Anbo. K Air Kořek	'upote,
	SOD), the requirements of clauses 22.2 and 23	k Anboten Anbo	botek
, S. C.	so apply.	ok hotek anbote	Di.
G.7.1 Ur	nited Kingdom	ote, Aug stek supotek	N/A
V.	the first paragraph the following is added:	abotek Anbot A. Jotek	Anbore
10.	uipment which is fitted with a flexible cable or	otek Anboten Anbo	You You
	rd and is designed to be connected to a mains cket conforming to BS 1363 by means of that	Anbo Ak botek Anbo	Vic.
	xible cable or cord shall be fitted with a 'standard	Anbore And	polek
- V	ıg' in accordance with the Plugs and Sockets etc	abotek Anbor	otek
	afety) Regulations 1994, Statutory Instrument	Andoren Andoren	AND
	94 No. 1768, unless exempted by those gulations.	tek Anbo	Anboro
200	guiations. ITE "Standard plug" is defined in SI 1768:1994 and	hotek Anbore Ans	anbore
ess	sentially means an approved plug conforming to BS 1363 or	no sek abotek Anbo	-/c /v
V -0*	approved conversion plug.	Aupo, K Potek Pupo,	Vo. Vun
9-11-1	eland hotek knoot Anti-	Anboten Anb	N/A
To	the first paragraph the following is added:	shorek Anbors Al	otek.
	paratus which is fitted with a flexible cable or	Ant stek subotek	Ando
	rd shall be provided with a plug in accordance th Statutory Instrument 525: 1997, "13 A Plugs	lek Aupo, Tr Mosek	Aupore
	d Conversion Adapters for Domestic Use	otek Anboter And	aborel
	egulations: 1997. S.I. 525 provides for the	botak Anbor	bi.
	cognition of a standard of another Member State	Anbore Alli	Sk. Vup.
ootek An Wh	nich is equivalent to the relevant Irish Standard	abotek Anbo	1870 pt
G.7.2 Ire	land and United Kingdom	Anbotek Anbotek An	N/A
Anv To	the first paragraph the following is added:	Ant sek abotek	Vupo.
	power supply cord with a conductor of 1,25 mm ²	ek Anbotek Anbotek	upoten
	allowed for equipment which is rated over 10 A d up to and including 13 A.	stek anbotek Anbo	hotek



Report No. 18220WC20068902S

14 0	10k 11po k	MOL PIL	117 11
Clause	Requirement + Test	Result - Remark	Verdict
'Ur	Thorek Aupo, W. Siek Whose.	Ant Sk Botek Ant	0.
ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)	tek Anbore And	N/A
10.5.2	Germany The following requirement applies:	Potek Pupotek Vupotek	N/A
	For the operation of any cathode ray tube intended for the display of visual images operating at an acceleration voltage exceeding 40 kV, authorization is required, or application of type approval (Bauartzulassung) and marking.	Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	yek Anb
	Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM.	ootek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek
	NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-38116 Braunschweig, Tel.: Int +49-531-592-6320, Internet: http://www.ptb.de	Anbotek Anbotek Anbotek	lek Vup



Attachment 2: Photo

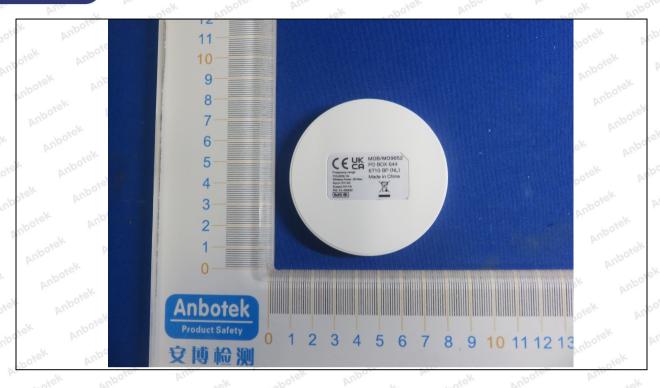


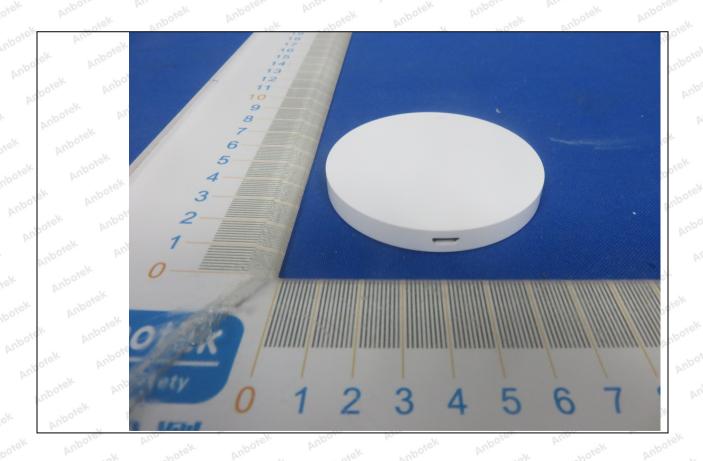


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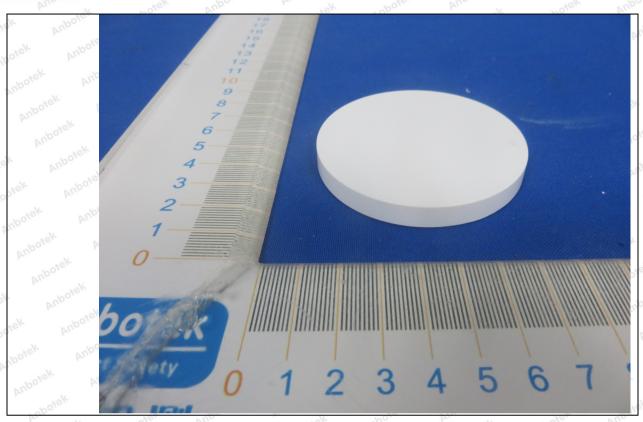


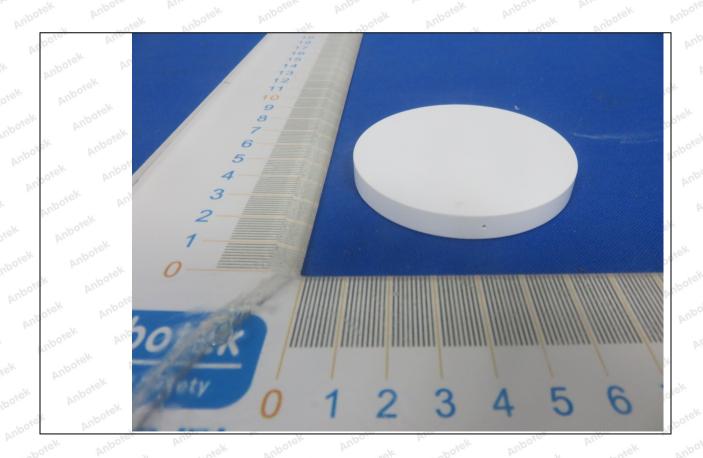
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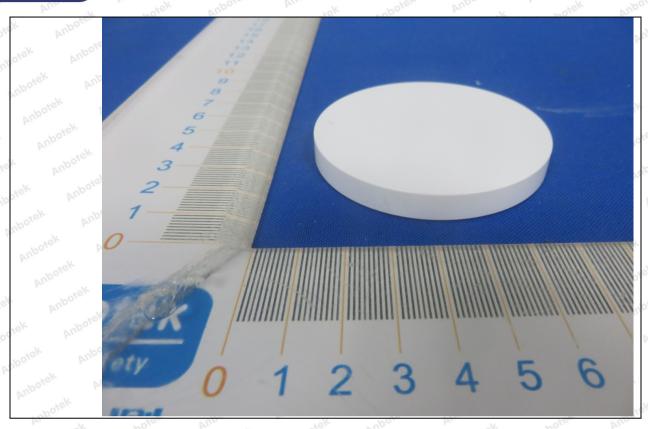
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

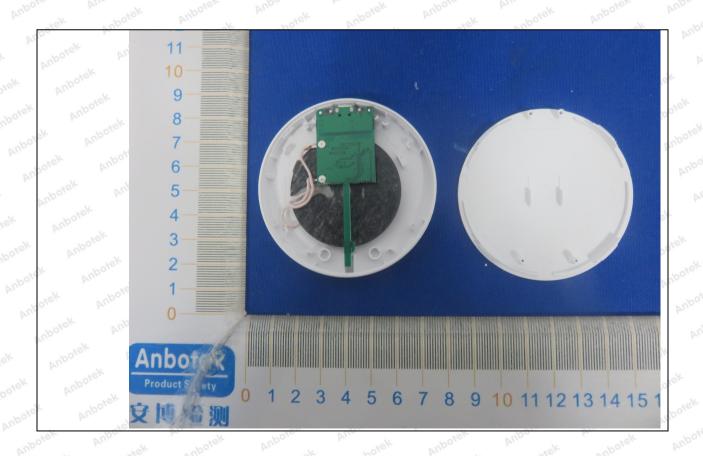
Tel:(86) 755–26066440 Fax: (86) 755–26014772 Email: service@anbotek.com

Hotline 400-003-0500 www.anbotek.com



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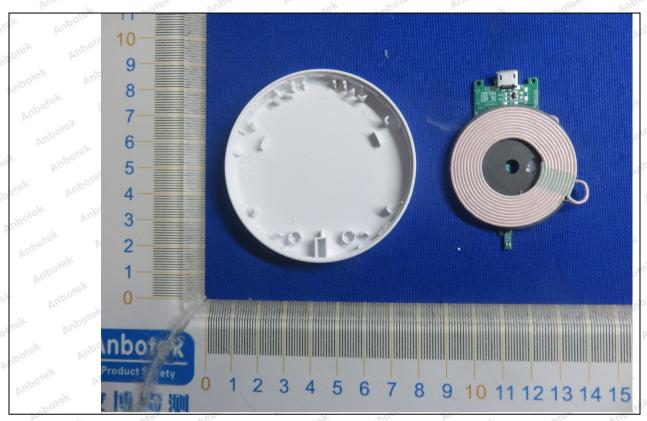


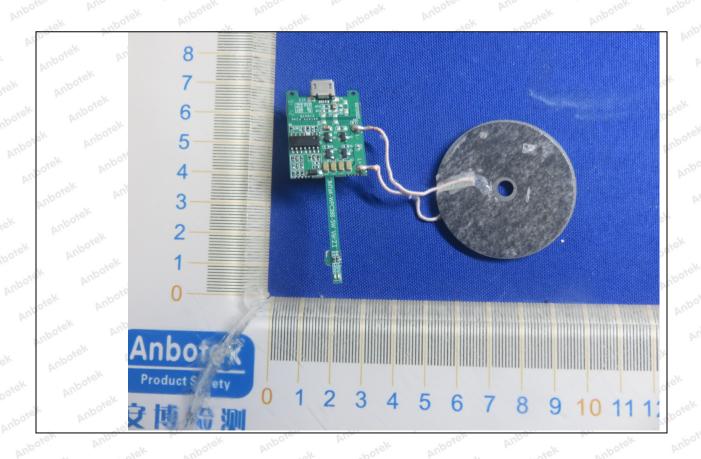


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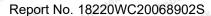






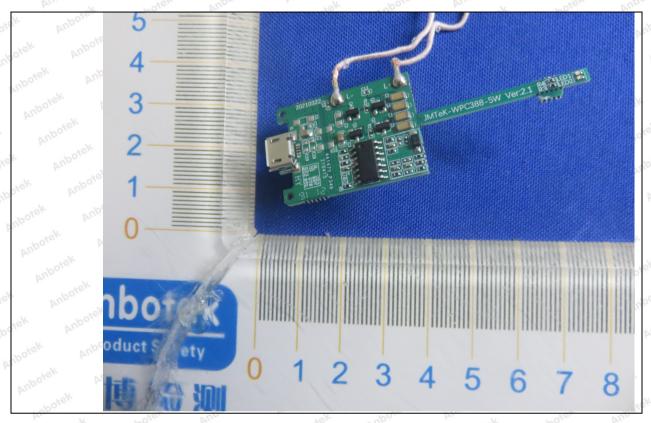
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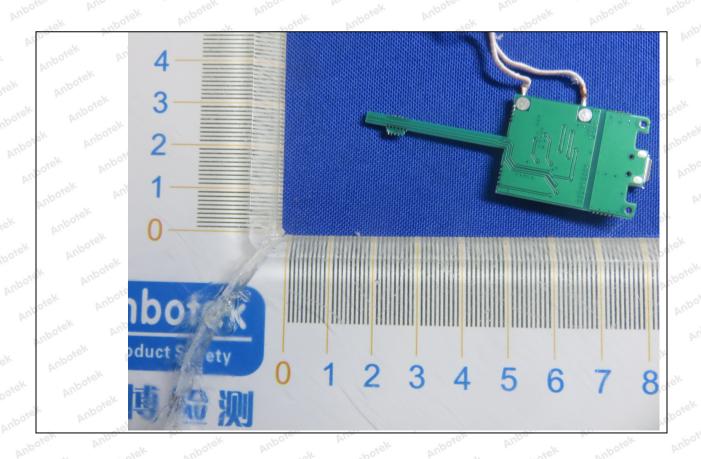






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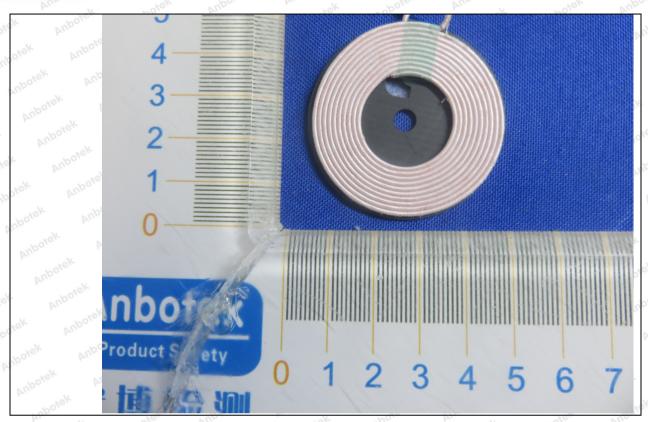




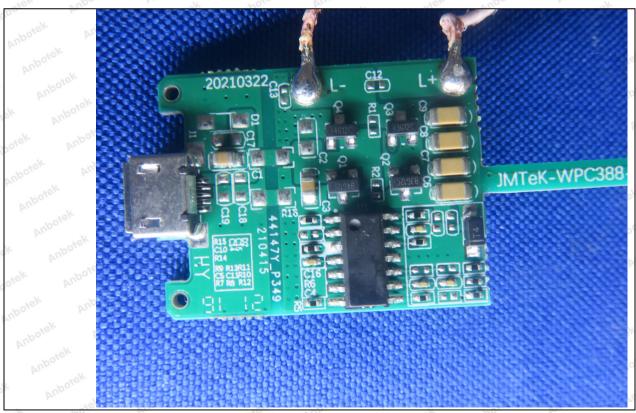
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End of the report

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