



TEST REPORT

Reference No.....: WTF23D10222750Y

Applicant.....: Mid Ocean Brands B.V.

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

Hong Kong

Manufacturer..... : 114276

Address.....: --

Product..... : Aluminium cork base speaker

Model(s)..... : MO2205

Total pages.....: 67 pages and 4 pages of photo.

Audio/video, information and communication technology equipment-

Part 1:Safety requirements

Date of Receipt sample....: 2023-10-23

Date of Test.....: 2023-10-23 to 2023-11-16

Date of Issue...... 2023-11-17

Test Result.....: Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

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Compiled by:

Soap Hu / Project Engineer

Soupethe

Approved by:

Almon Zhao / Designated Reviewer



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Test item description	Aluminium co	ork base speaker
Trademark:	MOB	
Model and/or type reference:	MO2205	
Rating(s):	Input: 5VDC, Battery: 3.7V	
Remark:		
Whether parts of tests for the product h	nave been sub	contracted to other labs:
☐ Yes ⊠ No		
If Yes, list the related test items and lat	o information:	
Test items:		
Lab information:		the state the write this our one of
Summary of testing:	White all	M. M
Tests performed (name of test and to - EN IEC 62368-1: 2020+A11: 2020 The submitted samples were found to othe requirements of above specification	comply with	Testing location: No. 77, Houjie Section, Guantai Road, Houjie Town, Dongguan City, Guangdong, China
Summary of compliance with Nation EU Group Differences ☐ The product fulfils the requirements		ELLER MUTER MUTER MUTER MUTER MUTER MUTER
applicable limit according to the spect without applying the measurement ur "accuracy method").	ne IEC standa cification in the ncertainty ("sir	rd, when comparing the measurement result with the at standard. The decisions on conformity are made mple acceptance" decision rule, previously known as
Other: (to be specified, for examp requirements apply)	le when requi	red by the standard or client, or if national accreditation
	calculated by	the laboratory based on application of criteria given by nethods, decision sheets and operational procedures of

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

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





Copy of marking plate:



Remark:

- 1. The above markings are the minimum requirements required by the safety standard. For the final production, the additional markings which do not give rise to misunderstanding may be added.
- 2. The CE marking and WEEE symbol should be at least 5.0mm and 7.0mm respectively in height.
- 3. According to the EU directives which have been aligned with EU NLF (new legislative framework), both of manufacturer and importer's name and address shall be affixed on the product or, where that is not possible, on its packaging or in a document accompanying the product before the product is placed on the EU market.



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TEST ITEM PARTICULARS:	
Product group	
Classification of use by:	☑ Ordinary person☐ Instructed person☐ Skilled person
Supply Connection:	☐ AC mains ☐ DC mains ☐ not mains connected: ☐ ES2 ☐ ES3
Supply % Tolerance:	☐ +10%/-10% ☐ +20%/-15% ☐ +%/% ☑ None
Supply Connection – Type:	 □ pluggable equipment type A - □ non-detachable supply cord □ appliance coupler □ direct plug-in □ pluggable equipment type B - □ non-detachable supply cord □ appliance coupler □ permanent connection □ mating connector ⋈ other: not Mains connected
Considered current rating of protective device as part of building or equipment installation:	☐ UK: 13 A; Others: 16 A;Location: ☐ building ☐ equipment☒ N/A
Equipment mobility:	 ☐ movable ☐ hand-held ☐ transportable ☐ direct plug-in ☐ stationary ☐ for building-in ☐ wall/ceiling-mounted ☐ SRME/rack-mounted ☐ other:
Over voltage category (OVC):	□ OVC I □ OVC II □ OVC III □ OVC IV ⋈ other: not Mains connected
Class of equipment:	☐ Class I ☐ Class II ☐ Class III ☐ Not classified ☐
Access location	N/A ☐ restricted access area☐ outdoor location ☐
Pollution degree (PD)	□ PD 1⊠ PD 2 □ PD 3
Manufacturer's specified maxium operating ambient:	25°C Outdoor: minimum°C
IP protection class:	⊠ IPX0 □ IP
Power Systems:	☐ TN ☐ TT ☐ ITV L-L ☐ not AC mains
Altitude during operation (m):	⊠ 2000 m or less □m
Altitude of test laboratory (m):	⊠ 2000 m or less □ m
Mass of equipment (kg)	



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POSSIBLE TEST CASE VERDICTS:	Mr and an an an an an
- test case does not apply to the test object:	N/A
- test object does meet the requirement::	P (Pass)
- test object does not meet the requirement:	F (Fail)
TESTING:	THE THE THE
Date of receipt of test item	See cover page.
Date (s) of performance of tests:	See cover page.
GENERAL REMARKS:	LIES STEE WILL MILL MILL MILL WAS
"(see Enclosure #)" refers to additional information ap "(see appended table)" refers to a table appended to Throughout this report a \square comma $I \boxtimes$ point is u	the report.
GENERAL PRODUCT INFORMATION:	t liet wife while while while while
Product Description 1. The equipment with model MO2205 is Aluminium of 2. It is powered by Micro USB port conformed to LPS 3. The maximum operating temperature is 25°C.	
Model Differences N/A	LIER WHITE WHITE WHITE WHITE WHITE WHITE
Additional application considerations – (Conside assembly) N/A	rations used to test a component or sub-



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Clause	Possible Hazard			
5	Electrically-caused injury			
Class and Energy Source	Body Part		Safeguards	
(e.g. ES3: Primary circuit)	(e.g. Ordinary)	В	S	R
ES1: All internal circuit	Ordinary	N/A	N/A	N/A
ES1: Lithium Cell	Ordinary	N/A	N/A	N/A
6	Electrically-caused fire			
Class and Energy Source	Material part		Safeguards	
(e.g. PS2: 100 Watt circuit)	(e.g. Printed board)	В	1 st S	2 nd S
PS1: <15 Watt circuits	PCB	N/A	N/A	N/A
PS1: <15 Watt circuits	The other components/materials	N/A	N/A	N/A
7	Injury caused by hazardous substances			
Class and Energy Source	Body Part		Safeguards	
(e.g. Ozone)	(e.g., Skilled)	В	S	R
N/A	N/A	N/A	N/A	N/A
8	Mechanically-caused injury			
Class and Energy Source	Body Part		Safeguards	
(e.g. MS3: Plastic fan blades)	(e.g. Ordinary)	В	S	R
MS1: Edges and corners	Ordinary	N/A	N/A	N/A
MS1: Mass of the unit	Ordinary	N/A	N/A	N/A
9	Thermal burn			
Class and Energy Source	Body Part		Safeguards	
(e.g. TS1: Keyboard caps)	(e.g., Ordinary)	В	S	R
TS1: All accessible parts	Ordinary	N/A	N/A	N/A
10	Radiation			
Class and Energy Source	Body Part Safeguards			
(e.g. RS1: PMP sound output)	(e.g., Ordinary)	В	S	R
RS1: LED for indicating	Ordinary	N/A	N/A	N/A



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ENERGY SOURCE DIAGRAM

Indicate which energy sources are included in the energy source diagram. Insert diagram below

 $oxed{oxed}$ ES $oxed{oxed}$ PS $oxed{oxed}$ MS $oxed{oxed}$ TS $oxed{oxed}$ RS

See details in OVERVIEW OF ENERGY SOURCES AND SAFEGUARDS



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict

4	GENERAL REQUIREMENTS		Р
4.1.1	Acceptance of materials, components and subassemblies	(See appended table 4.1.2)	JIN P
	Use of components	Components which are certified to IEC and/or national standards are used correctly within their ratings. Components not covered by IEC standards are tested under the conditions present in the equipment. See also Annex G	MALT P
4.1.3	Equipment design and construction	Equipment is adequately designed and constructed.	W P
4.1.4	Specified ambient temperature for outdoor use (°C)	Indoor use only	N/A
4.1.5	Constructions and components not specifically covered	No such constructions and components.	N/A
4.1.8	Liquids and liquid filled components (LFC)	No such parts.	N/A
4.1.15	Markings and instructions	(See Annex F)	Р
4.4.3	Safeguard robustness	See below	N/A
4.4.3.1	General	2 20 20	N/A
4.4.3.2	Steady force tests	The The State States	N/A
4.4.3.3	Drop tests	in my my my	N/A
4.4.3.4	Impact tests	15th lifet aliest miles uni	N/A
4.4.3.5	Internal accessible safeguard tests	No such parts.	N/A
4.4.3.6	Glass impact tests	No such glass used.	N/A
4.4.3.7	Glass fixation tests	No such parts.	N/A
in aur	Glass impact test (1J)	LIER MITER ANTIE WALLE	N/A
et et	Push/pull test (10 N)		N/A
4.4.3.8	Thermoplastic material tests	LIER WILL MULL MULL AND	N/A
4.4.3.9	Air comprising a safeguard	A A A A	N/A
4.4.3.10	Accessibility, glass, safeguard effectiveness	E WILL MULL MULL AND	N/A
4.4.4	Displacement of a safeguard by an insulating liquid	No such liquid.	N/A
4.4.5	Safety interlocks	No such parts.	N/A
4.5	Explosion	CITER WILL WILL A	P
4.5.1	General	No explosion occurs during normal/abnormal operation and single fault conditions	IEK P
4.5.2	No explosion during normal/abnormal operating condition	(See Clause B.2, B.3)	MAPE



N/A

N/A

Ρ

N/A

N/A

N/A

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30N force test with test probe

20N force test with test hook

Component requirements

Disconnect Device

Switches and relays

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Clause	Requirement – Test	Result – Remark	Verdict
2 Mer	The same of the same of	ite with with any	S. 1911.
	No harm by explosion during single fault conditions	(See Clause B.4)	P
4.6	Fixing of conductors	See below	N/A
LITE MIL	Fix conductors not to defeat a safeguard	THE LIE NITER MITE	N/A
A 2	Compliance is checked by test	the the the training	N/A
4.7	Equipment for direct insertion into mains socke	et-outlets	N/A
4.7.2	Mains plug part complies with relevant standard	Not direct plug-in equipment.	N/A
4.7.3	Torque (Nm)	et alter white white wh	N/A
4.8	Equipment containing coin/button cell batteries		N/A
4.8.1	General	No coin/button cell batteries used.	N/A
4.8.2	Instructional safeguard	TEX TEX STEE WITE	N/A
4.8.3	Battery compartment door/cover construction	11 11 11 11 11 11 11 11 11 11 11 11 11	N/A
WILL	Open torque test	EL LIER RITER WILL W	N/A
4.8.4.2	Stress relief test	The state of	N/A
4.8.4.3	Battery replacement test	CLIER WILL MULLE WAL	N/A
4.8.4.4	Drop test		N/A
4.8.4.5	Impact test	White man	N/A
4.8.4.6	Crush test	# J#	N/A
4.8.5	Compliance	LIE WILL WALL WALL	N/A

5	ELECTRICALLY-CAUSED INJURY		Р
5.2	Classification and limits of electrical energy sources		P
5.2.2	ES1, ES2 and ES3 limits	the mer me and	Р
5.2.2.2	Steady-state voltage and current limits	(See appended table 5.2)	P
5.2.2.3	Capacitance limits	No such capacitors	N/A
5.2.2.4	Single pulse limits	No such single pulses	N/A
5.2.2.5	Limits for repetitive pulses	No such repetitive pulses	N/A
5.2.2.6	Ringing signals	No such ringing signals	N/A
5.2.2.7	Audio signals	L M M M	P
5.3	Protection against electrical energy sources	EF TEF STEE STEE STEE	NP

Likelihood of fire or shock due to entry of conductive object

4.9

4.10

4.10.1

4.10.2



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Clause	Requirement – Test	Result – Remark	Verdict
The !	all the state of the state of	the wife with one we	S. 24.
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	THE THE THE ME	P
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	my my my	N/A
5.3.1 b)	Skilled persons not unintentional contact ES3 bare conductors	WILL MITTER WHITE WHITE	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Only ES1 circuit and the enclosure (safeguard) are accessed to person.	THE P
White	Accessibility to outdoor equipment bare parts	t life with with wh	N/A
5.3.2.2	Contact requirements	7/1 // //	N/A
ines and	Test with test probe from Annex V	alter mile antil muli	
5.3.2.2 a)	Air gap – electric strength test potential (V)	In the state of	N/A
5.3.2.2 b)	Air gap – distance (mm)	LIET WILL WILL WILL	N/A
5.3.2.3	Compliance	s to the state of	N/A
5.3.2.4	Terminals for connecting stripped wire	No stripped wire used.	N/A
5.4	Insulation materials and requirements	at at all a	Р
5.4.1.2	Properties of insulating material	No insulation as a safeguard.	N/A
5.4.1.3	Material is non-hygroscopic	THE LIFE	N/A
5.4.1.4	Maximum operating temperature for insulating materials	(See appended table 5.4.1.4, 9.3, B.1.5, B.2.6, B.3, B.4)	P
5.4.1.5	Pollution degrees	ITE WALTE WALL WALL	N/A
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	* NUTER WITH MUTER AND	N/A
5.4.1.5.3	Thermal cycling test	70 2	N/A
5.4.1.6	Insulation in transformers with varying dimensions	NITE WILL WALL WALL	N/A
5.4.1.7	Insulation in circuits generating starting pulses	and the set set	N/A
5.4.1.8	Determination of working voltage	NITE WALTE WALL WALL	N/A
5.4.1.9	Insulating surfaces	a state of	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	the man man w	N/A
5.4.1.10.2	Vicat test	CHIEF WHIE WALLE WAL	N/A
5.4.1.10.3	Ball pressure test	70 J. J. J. J.	N/A
5.4.2	Clearances	WITE WALL MALL WALL	N/A
5.4.2.1	General requirements	a state of	N/A
t The	Clearances in circuits connected to AC Mains, Alternative method	the mitter mit with	N/A
5.4.2.2	Procedure 1 for determining clearance	ex outer ancies on	N/A
, dr	Temporary overvoltage	20, 20, 20	é —
5.4.2.3	Procedure 2 for determining clearance	the street mile and	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
Clause	Treduitelletit – Lest	Nesult – Nelliaik	veruict
5.4.2.3.2.2	a.c. mains transient voltage	The the on	
5.4.2.3.2.3	d.c. mains transient voltage	THE STEE WITE	unii —
5.4.2.3.2.4	External circuit transient voltage	The the the	* -
5.4.2.3.2.5	Transient voltage determined by measurement	alifek milik unlier u	NIT _
5.4.2.4	Determining the adequacy of a clearance using an		N/A
MUC	electric strength test	JER WILL MULLE MU	in which the
5.4.2.5	Multiplication factors for clearances and test		N/A
<u> </u>	voltages	White while whi	ant ant
5.4.2.6	Clearance measurement	A 15	N/A
5.4.3	Creepage distances	WILL ANTIL ANTI-	N/A
5.4.3.1	General	A 15 15	N/A
5.4.3.3	Material group.	The Mile Mr. M.	<u> </u>
5.4.3.4	Creepage distances measurement	A	N/A
5.4.4	Solid insulation	ANTI ME ME	N/A
5.4.4.1	General requirements	The second second	N/A
5.4.4.2	Minimum distance through insulation	were mur my	N/A
5.4.4.3	Insulating compound forming solid insulation	The state of the s	N/A
5.4.4.4	Solid insulation in semiconductor devices	2 21/2 2	N/A
5.4.4.5	Insulating compound forming cemented joints		N/A
5.4.4.6	Thin sheet material	r. Mr. Mr. M.	N/A
5.4.4.6.1	General requirements	H TEK TEK NITE	N/A
5.4.4.6.2	Separable thin sheet material	The Mr. In	N/A
anline and	Number of layers (pcs)	TEX LIEX NIEX	N/A
5.4.4.6.3	Non-separable thin sheet material	Mr. M. M.	N/A
The Muria	Number of layers (pcs)	TEX TEX OUTER OF	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	at let let is	N/A
5.4.4.6.5	Mandrel test	any my m	N/A
5.4.4.7	Solid insulation in wound components	- TEX LIEX LITER	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz, E_P , K_R , d , V_{PW} (V)	Any Any Any	N/A
	Alternative by electric strength test, tested voltage (V), K _R	Marie Marie Marie "	N/A
5.4.5	Antenna terminal insulation	LIET WILL WILL WI	N/A
5.4.5.1	General	1 1 1 1	N/A
5.4.5.2	Voltage surge test	E WILL MULL MULL	N/A
5.4.5.3	Insulation resistance (MΩ)	1 4 4	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
mr.		EL WILL MULL MALL	me and
- 12	Electric strength test	A 10 10 10 10 10 10 10 10 10 10 10 10 10	N/A
5.4.6	Insulation of internal wire as part of supplementary safeguard	MULTE MULL MULL M	N/A
5.4.7	Tests for semiconductor components and for cemented joints	NITER WALTER WALTER WALT	N/A
5.4.8	Humidity conditioning	at let set set	N/A
- TEX	Relative humidity (%), temperature (°C), duration (h)	ment and an	
5.4.9	Electric strength test	WILL WILL WILL A	N/A
5.4.9.1	Test procedure for type test of solid insulation	at at at .	N/A
5.4.9.2	Test procedure for routine test	MULLE MALL MAR MA	N/A
5.4.10	Safeguards against transient voltages from external circuits	LIER MIER MUIER MALIE	N/A
5.4.10.1	Parts and circuits separated from external circuits	e at at	N/A
5.4.10.2	Test methods	ET WILL WILL WILL	N/A
5.4.10.2.1	General	at at at	N/A
5.4.10.2.2	Impulse test	White Mrs. Mrs. M	N/A
5.4.10.2.3	Steady-state test	at the s	N/A
5.4.10.3	Verification for insulation breakdown for impulse test	The sure sure	N/A
5.4.11	Separation between external circuits and earth	ite with with with	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	* siret miret united	N/A
5.4.11.2	Requirements	The same	N/A
Wer Mu	SPDs bridge separation between external circuit and earth	WHITE WALTE WALTE VA	N/A
LIE WILL	Rated operating voltage U _{op} (V)	TEL ITEL ALTER MIT	_
e et	Nominal voltage U _{peak} (V)	15 My My 20	_
WALTER	Max increase due to variation ΔU _{sp}	HE LIFE RUTE WITE	_ n_
, at	Max increase due to ageing ΔUsa	The state of the	_
5.4.11.3	Test method and compliance	CLIE MILLER MILLER	N/A
5.4.12	Insulating liquid		N/A
5.4.12.1	General requirements	WILL MULL MULL MULL	N/A
5.4.12.2	Electric strength of an insulating liquid	at the title	N/A
5.4.12.3	Compatibility of an insulating liquid	LIE WALL WALL MILL	N/A
5.4.12.4	Container for insulating liquid	at at at at	N/A
5.5	Components as safeguards	MULL MILL MILL	N/A
5.5.1	General	No such components as safeguards.	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
5.5.2	Capacitors and RC units	the me me	N/A
5.5.2.1	General requirement	THE LIFE SLIFE	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	et set set	N/A
5.5.3	Transformers	they are the th	N/A
5.5.4	Optocouplers	CER ITER LITER INLI	N/A
5.5.5	Relays	, m, m, m,	N/A
5.5.6	Resistors	to the stiff white	N/A
5.5.7	SPDs	Any and the	N/A
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable	MILE WALLE WALLE OF	N/A
5.5.9	Safeguards for socket-outlets in outdoor equipment	LIER WHILER WHILER WH	N/A
IN ITER	RCD rated residual operating current (mA)	et let let lik	·
5.6	Protective conductor	Aug My M	N/A
5.6.2	Requirement for protective conductors	t tet tet tet	N/A
5.6.2.1	General requirements	Class III equipment	N/A
5.6.2.2	Colour of insulation	AF OUTE	N/A
5.6.3	Requirement for protective earthing conductors	3 7 3	N/A
MULL	Protective earthing conductor size (mm²)	THE SUITE WITH WILL	<u> </u>
* INLIER	Protective earthing conductor serving as a reinforced safeguard	of the little outfill	N/A
LIFEK .	Protective earthing conductor serving as a double safeguard	and and all	N/A
5.6.4	Requirements for protective bonding conductors	MULL MULL MULL	N/A
5.6.4.1	Protective bonding conductors	at let set s	N/A
4	Protective bonding conductor size (mm²)	by my my m	
5.6.4.2	Protective current rating (A)	Et JEK JEK ALT	N/A
5.6.5	Terminals for protective conductors	The The An	N/A
5.6.5.1	Terminal size for connecting protective earthing conductors (mm)	WALLEY WHITE WHITE	N/A
Nr. LEW VIL	Terminal size for connecting protective bonding conductors (mm)	UNITER WHITER WHITER W	N/A
5.6.5.2	Corrosion	at at at	N/A
5.6.6	Resistance of the protective bonding system	LIE WALL WALL WA	N/A
5.6.6.1	Requirements	A A A A A	N/A
5.6.6.2	Test Method	MULL MUE, MUE, MUE,	N/A
5.6.6.3	Resistance (Ω) or voltage drop	at at all	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
Nr.	The transfer of the state will	TER WILL MULL WILL WILL WI	2011
5.6.7	Reliable connection of a protective earthing conductor	Test the state out	N/A
5.6.8	Functional earthing	me me me	N/A
LIE WA	Conductor size (mm²)	TER LIER WIFE WIFE	N/A
A	Class II with functional earthing marking	the say on the	N/A
il water	Appliance inlet cl &cr (mm)	TEX SITES ONLTED SOUTH SE	N/A
5.7	Prospective touch voltage, touch current and p	rotective conductor current	N/A
5.7.2	Measuring devices and networks	ex outex uniter white whi	N/A
5.7.2.1	Measurement of touch current	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
5.7.2.2	Measurement of voltage	RLIER WILL WALL WALL	N/A
5.7.3	Equipment set-up, supply connections and earth connections	TEX STEX STEX WITEK	N/A
5.7.4	Unearthed accessible parts	- 14 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
5.7.5	Earthed accessible conductive parts	EX SITES ONLINE ON	N/A
5.7.6	Requirements when touch current exceeds ES2 limits	TEN TEN STEEL OUT	N/A
	Protective conductor current (mA)	Mr. An An	N/A
NETE WA	Instructional Safeguard	ALL MITE MITE	N/A
5.7.7	Prospective touch voltage and touch current associated with external circuits		N/A
5.7.7.1	Touch current from coaxial cables	C. Mr. And And	N/A
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	* Whitek whitek whitek wh	N/A
5.7.8	Summation of touch currents from external circuits	TITEE MITES WHITE WALT	N/A
LITEN MAL	a) Equipment connected to earthed external circuits, current (mA)	TER LIER SLIER WITER	N/A
EK OLIEK	b) Equipment connected to unearthed external circuits, current (mA)	at get get get	N/A
5.8	Backfeed safeguard in battery backed up supplies		N/A
MITER	Mains terminal ES	No battery used	N/A
	Air gap (mm)	The All My Ly	N/A

6	ELECTRICALLY- CAUSED FIRE		Р
6.2	Classification of PS and PIS	of the text the	CIE P CIT
6.2.2	Power source circuit classifications	PS (power source) classification determined by measuring the maximum power in Figures 34 and 35 for load and power source circuits. (See appended table 6.2.2)	P VINLTEK



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01	EN IEC 62368-		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Clause	Requirement – Test	Result – Remark	Verdict
6.2.3	Classification of potential ignition sources	See the following details.	Р
6.2.3.1	Arcing PIS	No Arcing PIS exist in the equipment	N/A
6.2.3.2	Resistive PIS	(See appended table 6.2.3.2)	N/A
6.3	Safeguards against fire under normal operating and abnormal operating conditions		LIEL P
6.3.1	No ignition and attainable temperature value less than 90 % defined by ISO 871 or less than 300 °C for unknown materials	No ignition and no such temperature attained within the equipment. (See appended table B.1.5 & B.3)	P EX WILT
in. 1211.	Combustible materials outside fire enclosure	No such parts	N/A
6.4	Safeguards against fire under single fault condition	tions	P
6.4.1	Safeguard method	Control fire spread	Р
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits		N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	SLIER SLIER MLIER SANI	N/A
6.4.3.1	Supplementary safeguards	A L	N/A
6.4.3.2	Single Fault Conditions	MILL WALL	N/A
et el	Special conditions for temperature limited by fuse	The second	N/A
6.4.4	Control of fire spread in PS1 circuits	LIE WILL WALL WALL O	Р
6.4.5	Control of fire spread in PS2 circuits	the state of	N/A
6.4.5.2	Supplementary safeguards	White white whe was	N/A
6.4.6	Control of fire spread in PS3 circuits	the first the time	N/A
6.4.7	Separation of combustible materials from a PIS	WILL MULL MULL MULL	N/A
6.4.7.2	Separation by distance	at at the test	N/A
6.4.7.3	Separation by a fire barrier	No fire barrier used.	N/A
6.4.8	Fire enclosures and fire barriers	See below.	TE P
6.4.8.2	Fire enclosure and fire barrier material properties	V-1 plastic enclosure used	Р
6.4.8.2.1	Requirements for a fire barrier	No fire barrier used.	N/A
6.4.8.2.2	Requirements for a fire enclosure	V-1 plastic enclosure used	Р
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	See below	N/A
6.4.8.3.1	Fire enclosure and fire barrier openings	No openings	N/A
6.4.8.3.2	Fire barrier dimensions	No specific barrier provided.	N/A
6.4.8.3.3	Top openings and properties	No top opening	N/A
	Openings dimensions (mm)	Mar Mr. M.	N/A
6.4.8.3.4	Bottom openings and properties	No bottom opening	N/A



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Clause	Requirement – Test	Result – Remark	Verdict	
- Mr.	an an a second	TER WITE WALL MY W	in in	
et e	Openings dimensions (mm)		N/A	
anr. a	Flammability tests for the bottom of a fire enclosure	WALLER WHILE MALL WALL	N/A	
Tree Will	Instructional Safeguard	TEK LIFEK MITER MITER	N/A	
6.4.8.3.5	Side openings and properties	No side openings	N/A	
in Milit	Openings dimensions (mm)	TER STEEL WITEL WITEL W	N/A	
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c)	No enclosure can be opened by an ordinary person	N/A	
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating	V-1 plastic enclosure used	P	
6.4.9	Flammability of insulating liquid	MULL MULL MULL MULL	N/A	
6.5	Internal and external wiring	at all the till	TE P	
6.5.1	General requirements The internal wires are complied with UL standard, of which the test method and testing condition are equal to IEC/EN 60695-11-21.		P P	
6.5.2	Requirements for interconnection to building wiring	See 6.5.1.	P	
6.5.3	Internal wiring size (mm2) for socket-outlets	No such wire used	N/A	
6.6	Safeguards against fire due to the connection to ac	dditional equipment	P	
7	INJURY CAUSED BY HAZARDOUS SUBSTANC	ES	Р	
7.2	Reduction of exposure to hazardous substance	es tree tree outer	N/A	
7.3	Ozone exposure		N/A	
	Ozone exposure Use of personal safeguards or personal protect	tive equipment (PPE)	N/A N/A	
		tive equipment (PPE)		
7.4	Use of personal safeguards or personal protect	My Andrews		
7.4	Use of personal safeguards or personal protect Personal safeguards and instructions	My Andrews	N/A	
7.4	Use of personal safeguards or personal protect Personal safeguards and instructions Use of instructional safeguards and instruction	My Andrews	N/A	
7.3 7.4 7.5 7.6	Use of personal safeguards or personal protect Personal safeguards and instructions Use of instructional safeguards and instruction Instructional safeguard (ISO 7010)	My Andrews	N/A — N/A —	
7.4	Use of personal safeguards or personal protect Personal safeguards and instructions Use of instructional safeguards and instruction Instructional safeguard (ISO 7010)	My Andrews	N/A — N/A —	
7.4 7.5 7.6	Use of personal safeguards or personal protect Personal safeguards and instructions	My Andrews	N/A	
7.4 7.5 7.6 8 8.2	Use of personal safeguards or personal protect Personal safeguards and instructions Use of instructional safeguards and instruction Instructional safeguard (ISO 7010) Batteries and their protection circuits MECHANICALLY-CAUSED INJURY	IS THE MILE MILES WILLIAM THE	N/A	
7.4 7.5 7.6 8 8.2 8.3	Use of personal safeguards or personal protect Personal safeguards and instructions Use of instructional safeguards and instruction Instructional safeguard (ISO 7010) Batteries and their protection circuits MECHANICALLY-CAUSED INJURY Mechanical energy source classifications	IS THE MILE WHITE WALLEY THE WALLEY W	N/A	
7.4	Use of personal safeguards or personal protect Personal safeguards and instructions	IS THE MILE WHITE WALLEY THE WALLEY W	N/A	
7.4 7.5 7.6 8 8.2 8.3 8.4	Use of personal safeguards or personal protect Personal safeguards and instructions	IS THE MILE WHITE WALLEY THE WALLEY W	N/A	



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<u> </u>			
r. an		EN IEC 62368-1	
Clause	Requirement – Test	Result – Remark	Verdict

Olddoo		# 18 5° 5° 5	110
8.5	Safeguards against moving parts	The the the w	N/A
8.5.1	Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts	No moving parts.	N/A
LIE WALT	MS2 or MS3 part required to be accessible for the function of the equipment	See above.	N/A
Et STEE	Moving MS3 parts only accessible to skilled person	at at the text	N/A
8.5.2	Instructional safeguard	s and an an a	N/A
8.5.4	.5.4 Special categories of equipment containing moving parts		N/A
8.5.4.1	General	at at telt stell	N/A
8.5.4.2	Equipment containing work cells with MS3 parts	While Aur Aur Mu	N/A
8.5.4.2.1	Protection of persons in the work cell	OF THE THE STEEL	N/A
8.5.4.2.2	Access protection override	in my my	N/A
8.5.4.2.2.1	Override system	et tet stet stet steel at	N/A
8.5.4.2.2.2	Visual indicator	m m	N/A
8.5.4.2.3	Emergency stop system	LIER SLIER WILLE WALL	N/A
NITER MILI	Maximum stopping distance from the point of activation (m)	THE STREET STREET	N/A
EK JEK	Space between end point and nearest fixed mechanical part (mm):	The let	N/A
8.5.4.2.4	Endurance requirements	it was and a	N/A
WALTER	Mechanical system subjected to 100 000 cycles of operation	A INLIER WHITER WALTER WAS	N/A
TEX.	- Mechanical function check and visual inspection	a state of	N/A
m. m	- Cable assembly	White White White White	N/A
8.5.4.3	Equipment having electromechanical device for destruction of media	SIFEK MITEK MITEK	N/A
8.5.4.3.1	Equipment safeguards		N/A
8.5.4.3.2	Instructional safeguards against moving parts:	IET WILL WILL MILL AN	N/A
8.5.4.3.3	Disconnection from the supply	at at at	N/A
8.5.4.3.4	Cut type and test force (N):	mer mer mer	N/A
8.5.4.3.5	Compliance	it it it it	N/A
8.5.5	High pressure lamps	No high pressure lamps used.	N/A
TET NATES	Explosion test	THE THE STEEL STEEL	N/A
8.5.5.3	Glass particles dimensions (mm):	The me in	N/A
8.6	Stability of equipment	Et LIEK RITER MITER ON	N/A
8.6.1	General	MS1: Mass of the unit	N/A
White wh	Instructional safeguard	LIER SLIEF WILL AND LIE	N/A



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Clause	EN IEC 62368-		Vordict
Clause	Requirement – Test	Result – Remark	Verdict
8.6.2	Static stability	mr. mr. m. n.	N/A
8.6.2.2	Static stability test:	LIEY NITEY WILL AND	N/A
8.6.2.3	Downward force test	The state of	- N/A
8.6.3	Relocation stability	NITE MITE WALTER WALTER	N/A
Et E	Wheels diameter (mm):	a start	_
, mer	Tilt test	The write while	N/A
8.6.4	Glass slide test	L A A AT	N/A
8.6.5	Horizontal force test:	MULL MULL MIC M	N/A
8.7	Equipment mounted to wall, ceiling or other stru	ıcture	N/A
8.7.1	Mount means type:		N/A
8.7.2	Test methods	TER LIFER SLIFER WLITER	N/A
at at	Test 1, additional downwards force (N):	111 111 111	N/A
MULL	Test 2, number of attachment points and test force (N)	EX WHITE WHITE WHITE	N/A
MULTER V	Test 3 Nominal diameter (mm) and applied torque (Nm)	MILER WHITER WHITER WA	N/A
8.8	Handles strength	At THE IT	N/A
8.8.1	General	No handles	N/A
8.8.2	Handle strength test	The little	N/A
20	Number of handles:	in the the	
MITTE	Force applied (N)	et tet tiet wifet	14 10 10 10 10 10 10 10 10 10 10 10 10 10
8.9	Wheels or casters attachment requirements		N/A
8.9.2	Pull test	No such parts	N/A
8.10	Carts, stands and similar carriers	M. M. A.	N/A
8.10.1	General	No carts, stands or similar carriers	N/A
8.10.2	Marking and instructions	EF TEK STEK NITER	N/A
8.10.3	Cart, stand or carrier loading test	The ship ship	N/A
NACTO	Loading force applied (N):	TIET NITE WILLIAM	N/A
8.10.4	Cart, stand or carrier impact test	211, 21, 2	N/A
8.10.5	Mechanical stability	CLIEF WIFE WALL MALL	N/A
26th . 18	Force applied (N)	in the state of	
8.10.6	Thermoplastic temperature stability	LIE MILL WALL WALL	N/A
8.11	Mounting means for slide-rail mounted equipme	ent (SRME)	N/A
8.11.1	General	No such parts	N/A
8.11.2	Requirements for slide rails	* * *	N/A



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" The	EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
Mer	Mr. M. S. C.	TER MILITE MALITY MAL	Mr. Mr.		
,et	Instructional Safeguard	- L X	N/A		
8.11.3	Mechanical strength test	4 ALTER MALTER MALTER	√N/A		
8.11.3.1	Downward force test, force (N) applied:	W The state of the	N/A		
8.11.3.2	Lateral push force test	WILL MILL MINTER	N/A		
8.11.3.3	Integrity of slide rail end stops		N/A		
8.11.4	Compliance	THE WILL MUST MU	N/A		
8.12	Telescoping or rod antennas	at the set set	N/A		
an -	Button/ball diameter (mm):	No such parts	7/1		
A COL	the att our one our	1 x x	ARK CIE.		
9	THERMAL BURN INJURY		100 P 101		

9	THERMAL BURN INJURY		A P
9.2	Thermal energy source classifications	· · · · · · · · · · · · · · · · · · ·	g P
9.3	Touch temperature limits	TER WITE MUTE AND AND A	Р
9.3.1	Touch temperatures of accessible parts	: (See appended table 5.4.1.4, 9.3, B.1.5, B.2.6)	TEX PITE
9.3.2	Test method and compliance	See B.1.6 & B.2.3	F Rot
9.4	Safeguards against thermal energy source	S TE WITE WALL WALL WALL	20 P
9.5	Requirements for safeguards	A A	Р
9.5.1	Equipment safeguard	Enclosure provided to limit the transfer of thermal energy of internal parts under normal operating conditions and abnormal operating conditions.	W P W
9.5.2	Instructional safeguard	: Instructional safeguard is not required.	N/A
9.6	Requirements for wireless power transmitt	ters the life life out	N/A
9.6.1	General	No wireless power transmitters	N/A
9.6.2	Specification of the foreign objects	LEK LIFE NITER WITE WITE	N/A
9.6.3	Test method and compliance	:	N/A

10	RADIATION		Р
10.2	Radiation energy source classification	H TEX TEX WIFE WITE	Р
10.2.1	General classification	See below	P
الاربير الما	Lasers	THE WHILE WHILE WHILE	_
TEX WIT	Lamps and lamp systems:	RS1: LED only for indicating use which is considered as low power application.	_
* CLIEN	Image projectors	at all talk talk is	_
20,	X-Ray:	Mr. Mr. Mr. M.	_
NITE .	Personal music player:	LEK TEK TEK SITE	_



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110101011001	TO WITH ZOD TOZZZZI GOT	1 ago 20 01 01		
- m	24, 25, 4	EN IEC 62368-	lier with white w	ir. Mr. Mr.
Clause	Requirement – Test	reconstruction and an	Result – Remark	Verdict

10.3	Safeguards against laser radiation		N/A
nu _r . n	The standard(s) equipment containing laser(s) comply	No laser radiation	N/A
10.4	Safeguards against optical radiation from lamp (including LED types)	s and lamp systems	MELT P
10.4.1	General requirements	LED indication light: Classed as RS1 (Exempt Group)	LIER PIN
MALTER	Instructional safeguard provided for accessible radiation level needs to exceed	t stet witet writes with	N/A
A	Risk group marking and location:	711 711	N/A
ner in	Information for safe operation and installation	ALTER OLIFER MOLIE WALLE	N/A
10.4.2	Requirements for enclosures	the the	N/A
is min	UV radiation exposure:	LIER WILL WILL A	N/A
10.4.3	Instructional safeguard	and the state of	N/A
10.5	Safeguards against X-radiation	TER WILL MULT ME	N/A
10.5.1	Requirements	No X-radiation	N/A
11/2 0	Instructional safeguard for skilled persons	WILL WILL MIN MUNICIPALITY	_
10.5.3	Maximum radiation (pA/kg)	At July July	_
10.6	Safeguards against acoustic energy sources	The sure sure	N/A
10.6.1	General	THE THE	N/A
10.6.2	Classification	of many me me	N/A
NITE	Acoustic output L _{Aeq,T} , dB(A):	of the the state at	N/A
TIEK .	Unweighted RMS output voltage (mV):		N/A
U, U.	Digital output signal (dBFS)	MULL MULL MULL AND AND	N/A
10.6.3	Requirements for dose-based systems	let tet tet stet stret	N/A
10.6.3.1	General requirements	Vic. Mur. Aug. Aug.	N/A
10.6.3.2	Dose-based warning and automatic decrease	Et TEX LIEX WILL OF	N/A
10.6.3.3	Exposure-based warning and requirements	Mr. Mr. M. A.	N/A
MALTER	30 s integrated exposure level (MEL30)	- JEK ALTEK BLIEF MILT	N/A
, t	Warning for MEL ≥ 100 dB(A)	20 20 20 Th	N/A
10.6.4	Measurement methods	LIFE OLIER WATER WALTER	N/A
10.6.5	Protection of persons	the the transfer of the	N/A
MULL	Instructional safeguards	LIER WILL WALLE WALLE	N/A
10.6.6	Requirements for listening devices (headphones, earphones, etc.)	et tet stet stet stet	N/A
10.6.6.1	Corded listening devices with analogue input	Mr. My My	N/A
WITE A	Listening device input voltage (mV)	TEN TEN LIET SLIFE	N/A



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in the	EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict	
10.6.6.2	Corded listening devices with digital input	Experience with the way	N/A	
and a	Max. acoustic output L _{Aeq,T} , dB(A):	alies alies and and	N/A	
10.6.6.3	Cordless listening devices	The state of	N/A	
Up. Aller	Max. acoustic output L _{Aeq,T} , dB(A)	OLITER WILL WALL WALL WALL	N/A	

В	NORMAL OPERATING CONDITION TESTS, ABNORMAL OPERATING CONDITION TESTS AND SINGLE FAULT CONDITION TESTS		Р
B.1	General	et tet tet stet stet mi	Р
B.1.5	Temperature measurement conditions	(See appended table B.1.5)	Р
B.2	Normal operating conditions	TEX LIET SLIET MATE	P
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	LIEV P
et set	Audio Amplifiers and equipment with audio amplifiers	the state of	N/A
B.2.3	Supply voltage and tolerances	Rated input 5Vdc	Р
B.2.5	Input test	(See appended table B.2.5)	Р
B.3	Simulated abnormal operating conditions	MULL MULL MULL MULL	Р
B.3.1	General	(See appended table B.3)	ΥP
B.3.2	Covering of ventilation openings	No ventilation openings.	N/A
TER OLIV	Instructional safeguard	THE LIFE	N/A
B.3.3	DC mains polarity test	Not supplied by D.C. mains	N/A
B.3.4	Setting of voltage selector	No such selector	N/A
B.3.5	Maximum load at output terminals	(See appended table B.3)	Р
B.3.6	Reverse battery polarity	No such battery	N/A
B.3.7	Audio amplifier abnormal operating conditions	(See appended table B.3)	Р
B.3.8	Safeguards functional during and after abnormal operating conditions	All safeguards remained effective	n Po
B.4	Simulated single fault conditions	All THE LIE ALTER OF	P
B.4.1	General	Mr. Mr. M. A.	Р
B.4.2	Temperature controlling device	NTC used on battery protective board. The test is carried out for three times, no failure. See appended table B.4 for details	WALTER.
B.4.3	Blocked motor test	No motors	N/A
B.4.4	Functional insulation	See below.	Р
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.4)	P
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	Р



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-2,,	EN IEC 62368-	1 The man was well	24 40.	
Clause	Requirement – Test	Result – Remark	Verdict	
B.4.4.3	Short circuit of functional insulation on coated printed boards	No coated printed boards within the EUT	N/A	
B.4.5	Short-circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.4)	Р	
B.4.6	Short circuit or disconnection of passive components	(See appended table B.4)	Р	
B.4.7	Continuous operation of components	The EUT is continuous operating type and no such components intended for short time operation or intermittent operation	N/A	
B.4.8	Compliance during and after single fault conditions	No change to circuits classified in 5.3	W. P	
B.4.9	Battery charging and discharging under single fault conditions	See annex M	ANTE P.	
С	UV RADIATION			
C.1	Protection of materials in equipment from UV radiation			
C.1.2	Requirements	No such UV generated from the equipment.	N/A	
C.1.3	Test method		N/A	
C.2	UV light conditioning test	Mari mari	N/A	
C.2.1	Test apparatus:	the state of the s	N/A	
C.2.2	Mounting of test samples	The Mary and Man	N/A	
C.2.3	Carbon-arc light-exposure test	* TEN TEN TEN	N/A	
C.2.4	Xenon-arc light-exposure test	Mur. Mur. Mr. M.	N/A	
D	TEST GENERATORS		N/A	
D.1	Impulse test generators	mer mer mer me	N/A	
D.2	Antenna interface test generator	THE THE STEEL WITCH	N/A	
D.3	Electronic pulse generator	W. M. M. M.	N/A	
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	IING AUDIO AMPLIFIERS	P	
E.1	Electrical energy source classification for audio		Р	
MULL 1	Maximum non-clipped output power (W)	(See appended table B.2.5)	_	
at the	Rated load impedance (Ω):	(See appended table 4.1.2)	<u> </u>	
no an	Open-circuit output voltage (V)	(See appended table B.2.5)	_	
TEX JE	Instructional safeguard:	Provided in the manual	_	
E.2	Audio amplifier normal operating conditions	rite Muri Muri Mus	Р	
y alien	Audio signal source type:	(See appended table B.2.5)	<u> </u>	
20,	Audio output power (W)	(See appended table B.2.5)		
JEE	Audio output voltage (V):	(See appended table B.2.5)	¢	



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Clause	Requirement – Test	Result – Remark	Verdict
Ciause	requirement – rest	Vezair – Veillark	verdict
- St	Rated load impedance (Ω):	(See appended table 4.1.2)	_
MUTY W	Requirements for temperature measurement	(See appended table 5.4.1.4, 9.3, B.1.5, B.2.6, B.3, B.4)	of P
E.3	Audio amplifier abnormal operating conditions	(See appended table B.3)	P.
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND INSTRUCTIONAL SAFEGUARDS		P P
F.1	General A THE THE THE MELL MALE WILL WAS AND		Р
DLIE	Language:	English	_
F.2	Letter symbols and graphical symbols	Mir Mr. Mr. 20,	Р
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	un'P
F.2.2	Graphic symbols according to IEC, ISO or manufacturer specific	Graphical symbols are complied with IEC 60417, ISO 3864-2, ISO 7000 or ISO 7010.	TEX MUL
F.3	Equipment markings	e at at all of	⊬ P
F.3.1	Equipment marking locations	The required marking is located on the enclosure of the equipment and is easily visible.	W P
F.3.2	Equipment identification markings	See below for details.	UTE P
F.3.2.1	Manufacturer identification	See copy of marking plate	Р
F.3.2.2	Model identification	See copy of marking plate	Р
F.3.3	Equipment rating markings	See below for details.	Р
F.3.3.1	Equipment with direct connection to mains	Supplying by 5Vdc	N/A
F.3.3.2	Equipment without direct connection to mains	See above.	Р
F.3.3.3	Nature of the supply voltage:	TEX TEX STEE STEE STEE	N/A
F.3.3.4	Rated voltage:	in my my	N/A
F.3.3.5	Rated frequency	IEF SLIEF WITE WATER AND	N/A
F.3.3.6	Rated current or rated power:	71 22	N/A
F.3.3.7	Equipment with multiple supply connections	Single supply connection.	N/A
F.3.4	Voltage setting device	No voltage setting device.	N/A
F.3.5	Terminals and operating devices	MITE WALL WALL WALL	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings	TEX SITES OUTER WILLES	N/A
F.3.5.2	Switch position identification marking:	10 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
F.3.5.3	Replacement fuse identification and rating markings:	CER MULTER MULTER MULTER WA	N/A
CLIE 1	Instructional safeguards for neutral fuse:	FIRE LET LITE LITE	N/A



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-20.	EN IEC 62368-	The art of the same	2
Clause	Requirement – Test	Result – Remark	Verdict
Me.	an an a state of the state of the	EL TILL MILL MILL M	211
F.3.5.4	Replacement battery identification marking:	No such battery.	N/A
F.3.5.5	Neutral conductor terminal	No such parts.	N/A
F.3.5.6	Terminal marking location	The state of	N/A
F.3.6	Equipment markings related to equipment classification	Class III equipment	N/A
F.3.6.1	Class I equipment	TEX SLIER WILLER WALTER W	N/A
F.3.6.1.1	Protective earthing conductor terminal	20 20 7	N/A
F.3.6.1.2	Protective bonding conductor terminals	LIER WILL WILL WITE	N/A
F.3.6.2	Equipment class marking:	20 20 20	N/A
F.3.6.3	Functional earthing terminal marking:	ALTER MILE MALIE MALIE	N/A
F.3.7	Equipment IP rating marking	This equipment is classified as IPX0.	INLIEK V
F.3.8	External power supply output marking:	. M. M.	N/A
F.3.9	Durability, legibility and permanence of marking Marking is considered to be legible and easily discernible. See also the following details.		Р
F.3.10	Test for permanence of markings	The label was subjected to the permanence of marking test. The label was rubbed with cloth soaked with water for 15 sec. And then again for 15 sec, with the cloth soaked with petroleum spirit. After this test there was no damage to the label. The marking on the label did not fade. There was no curling and lifting of the label edge. After each test, the marking remained legible.	AMPLIER AMPLIER AMPLIER AMPLIER
F.4	Instructions	let let liet liet	Р
	a) Information prior to installation and initial use	See user manual	Р
MALTE	b) Equipment for use in locations where children not likely to be present	EX Writer Writer Writer W	N/A
LIER	c) Instructions for installation and interconnection	- et set set s	N/A
Tilly A	d) Equipment intended for use only in restricted access area	mus me me m	N/A
ne in	e) Equipment intended to be fastened in place	WILL MULL MULL MULL	N/A
LEY LE	f) Instructions for audio equipment terminals	that at at	N/A
MILL	g) Protective earthing used as a safeguard	LIET WILL WALL MALL	N/A
WALTER.	h) Protective conductor current exceeding ES2 limits	et stret milet milet w	N/A
, de	i) Graphic symbols used on equipment	21, 2, 2,	N/A



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01	EN IEC 62368-	\/a ==1: -1	
Clause	Requirement – Test	Result – Remark	Verdict
-NITEH N	j) Permanently connected equipment not provided with all-pole mains switch	THE THE TER	N/A
Jet J	k) Replaceable components or modules providing safeguard function	Must will all	N/A
20	Equipment containing insulating liquid	Will MULL MULL MI	N/A
IEW NITE	m) Installation instructions for outdoor equipment	at at at of	N/A
F.5	Instructional safeguards	The Maria Maria	N/A
G	COMPONENTS		Р
G.1	Switches	Mr. Mr. M.	N/A
G.1.1	General	No switch used	N/A
G.1.2	Ratings, endurance, spacing, maximum load	m m m	N/A
G.1.3	Test method and compliance	THE LITER SLIFE WILL	N/A
G.2	Relays	1 211 211 11 11 11 11 11 11 11 11 11 11	N/A
G.2.1	Requirements	No relay used.	N/A
G.2.2	Overload test	The The The	N/A
G.2.3	Relay controlling connectors supplying power to other equipment		N/A
G.2.4	Test method and compliance	At Chiller II	N/A
G.3	Protective devices	7 1	N/A
G.3.1	Thermal cut-offs	No such component	N/A
K MLTEK	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	* Tet Tet Stel	N/A
TEK .	Thermal cut-outs tested as part of the equipment as indicated in c)	The the tex	N/A
G.3.1.2	Test method and compliance	MUTIL AND AND A	N/A
G.3.2	Thermal links	No such component	N/A
G.3.2.1	a) Thermal links tested separately according to IEC 60691 with specifics	ner and any	N/A
m	b) Thermal links tested as part of the equipment	TE WALL MALL MAL	N/A
G.3.2.2	Test method and compliance	L of let let	N/A
G.3.3	PTC thermistors	No such component	N/A
G.3.4	Overcurrent protection devices	No such component	N/A
G.3.5	Safeguards components not mentioned in G.3.1 to G.3.4	mer mer m	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	TIEN MULLE MULL WAS	N/A
G.3.5.2	Single faults conditions:	let outlier write	N/A
G.4	Connectors	70 T	N/A
G.4.1	Spacings	No such component	N/A



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01	EN IEC 62368-	b. "111. " " " " " " " " " " " " " " " "	\/1: -4
Clause	Requirement – Test	Result – Remark	Verdict
G.4.2	Mains connector configuration:	The The The	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	WHITE WHITE WHITE	N/A
G.5	Wound components	TEK TEK STEEL IN	N/A
G.5.1	Wire insulation in wound components	No such component	N/A
G.5.1.2	Protection against mechanical stress	THE SLIEF MITTER WALT	N/A
G.5.2	Endurance test	411 111 1	N/A
G.5.2.1	General test requirements	ALTER WITE MALTE	N/A
G.5.2.2	Heat run test	W X ZX	N/A
ne in	Test time (days per cycle)	White White White A	Vr
LET SE	Test temperature (°C)	10 t 2t	- L
G.5.2.3	Wound components supplied from the mains	LITE WALTE WALTE WAS	N/A
G.5.2.4	No insulation breakdown	a at at all	N/A
G.5.3	Transformers	The water water	N/A
G.5.3.1	Compliance method:	at the the	N/A
4, 4,	Position:	MULL MUE MUE.	N/A
NITER INL	Method of protection	It TEL	N/A
G.5.3.2	Insulation	2 21 21	N/A
ien antie	Protection from displacement of windings:	The Street Street	_
G.5.3.3	Transformer overload tests	2012 201 201	N/A
G.5.3.3.1	Test conditions	EX LIEX NIEX WILL	N/A
G.5.3.3.2	Winding temperatures	14, 14, 2,	N/A
G.5.3.3.3	Winding temperatures - alternative test method	LIFE OLIFE MILE	N/A
G.5.3.4	Transformers using FIW	711 71	N/A
G.5.3.4.1	General	NITER WITE WALLE WA	N/A
et et	FIW wire nominal diameter:		<u>+ </u>
G.5.3.4.2	Transformers with basic insulation only	LET INTERNATE MACE	N/A
G.5.3.4.3	Transformers with double insulation or reinforced insulation	Et strek mirek mirek	N/A
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	Tet Jet Jet	N/A
G.5.3.4.5	Thermal cycling test and compliance	an my min	N/A
G.5.3.4.6	Partial discharge test	TEX STEX STEE SAL	N/A
G.5.3.4.7	Routine test	14 14 14	N/A
G.5.4	Motors	No motors used.	N/A
G.5.4.1	General requirements	711 711 71	N/A
G.5.4.2	Motor overload test conditions	TER LIFE WITE	N/A



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Claure	EN IEC 62368-		11/- "
Clause	Requirement – Test	Result – Remark	Verdict
G.5.4.3	Running overload test	They was also	N/A
G.5.4.4.2	Locked-rotor overload test	TEX STEX STEX	N/A
<u>,,, , , , , , , , , , , , , , , , , , </u>	Test duration (days):	21/2 21/2 21/2	
G.5.4.5	Running overload test for DC motors	LITER ONLIER WALLER ON	N/A
G.5.4.5.2	Tested in the unit		N/A
G.5.4.5.3	Alternative method	TEE MITTER WALTER WALT	N/A
G.5.4.6	Locked-rotor overload test for DC motors	L A A	N/A
G.5.4.6.2	Tested in the unit	WILL WALL MAN	N/A
JEK N	Maximum Temperature:	at at all	N/A
G.5.4.6.3	Alternative method	WILL MULL MULL A	N/A
G.5.4.7	Motors with capacitors	at the tite	N/A
G.5.4.8	Three-phase motors	the men men me	N/A
G.5.4.9	Series motors	et let let le	N/A
	Operating voltage:	And And Alexander	
G.6	Wire Insulation	t Tet Tet Willet	N/A
G.6.1	General	Only ES1 existed	N/A
G.6.2	Enamelled winding wire insulation		N/A
G.7	Mains supply cords		N/A
G.7.1	General requirements	No such component	N/A
t et	Type:		_
G.7.2	Cross sectional area (mm² or AWG):	A INLIED WALLEY WALLEY	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	stiet outet milet	N/A
G.7.3.2	Cord strain relief	24 24	N/A
G.7.3.2.1	Requirements	ALTER INLIER WALLE WA	N/A
Et TEX	Strain relief test force (N)		N/A
G.7.3.2.2	Strain relief mechanism failure	TER WALL MALL WALL	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	A ST ST	N/A
G.7.3.2.4	Strain relief and cord anchorage material	MULT MULT MAL	N/A
G.7.4	Cord Entry	it lit lit	N/A
G.7.5	Non-detachable cord bend protection	WHILL MULL AND M	N/A
G.7.5.1	Requirements	at let let s	N/A
G.7.5.2	Test method and compliance	Vice Mer Mer Mer Mer	N/A
MALIE	Overall diameter or minor overall dimension, <i>D</i> (mm)	EX INLIEX WHITEK WHITE	uni —
TEX	Radius of curvature after test (mm):	A ST SET	_E _
		AV AV	- 60



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Clause	Requirement – Test	Result – Remark	Verdict	
G.7.6	Supply wiring space	the his on m	N/A	
G.7.6.1	General requirements	THE LIFE WITH AND	N/A	
G.7.6.2	Stranded wire	The file of the	N/A	
G.7.6.2.1	Requirements	ITER SITER MICH WAITER	N/A	
G.7.6.2.2	Test with 8 mm strand	in the second	N/A	
G.8	Varistors		N/A	
G.8.1	General requirements No such component		N/A	
G.8.2	Safeguards against fire	INLIE WALTE WALTE WAS	N/A	
G.8.2.1	General	a at at all	N/A	
G.8.2.2	Varistor overload test	WILL MULL MULL MILL	N/A	
G.8.2.3	Temporary overvoltage test	A IN ART THE	N/A	
G.9	Integrated circuit (IC) current limiters	VIII MUI MUI MU	N/A	
G.9.1	Requirements No such component		N/A	
	IC limiter output current (max. 5A)	mi mi vici vi		
WITE OF	Manufacturers' defined drift	TER ITER ALTER OUT	<u> </u>	
G.9.2	Test Program	The August Augus	N/A	
G.9.3	Compliance	ALL MITES MITES	N/A	
G.10	Resistors		N/A	
G.10.1	General	No such component	N/A	
G.10.2	Conditioning	in the st	N/A	
G.10.3	Resistor test	WHITE WALLE WALL VIA	N/A	
G.10.4	Voltage surge test	x 2 2 2 1	N/A	
G.10.5	Impulse test	WILL MULL MULL MULL	N/A	
G.10.6	Overload test	at et set set	N/A	
G.11	Capacitors and RC units	intit with the time	N/A	
G.11.1	General requirements	No such component	N/A	
G.11.2	Conditioning of capacitors and RC units	Mur Mr. M. M.	N/A	
G.11.3	Rules for selecting capacitors	- tex tex ties ai	N/A	
G.12	Optocouplers	Mr. Mr. Mr. D.	N/A	
INLIE WILL	Optocouplers comply with IEC 60747-5-5 with specifics	No such component	N/A	
TEN OUTE	Type test voltage V _{ini,a} :	et let let liet	_	
777	Routine test voltage, V _{ini, b}	The mer and	_	
G.13	Printed boards	Et TEX TEX STER IS	N/A	
G.13.1	General requirements	Only need to comply with functional insulation, see only B.4.4.	N/A	



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- "	EN IEC 62368-	yes the the the	- 2
Clause	Requirement – Test	Result – Remark	Verdict
2 12 2		the write wife out	411
G.13.2	Uncoated printed boards		N/A
G.13.3	Coated printed boards	WILL MILL MILL	N/A
G.13.4	Insulation between conductors on the same inner surface	Tet Tet NITE IN	N/A
G.13.5	Insulation between conductors on different surfaces	all all the set	N/A
10.	Distance through insulation:	or any and an	N/A
NLTER.	Number of insulation layers (pcs)	et TEX TEX LIER	
G.13.6	Tests on coated printed boards	The Me Me	N/A
G.13.6.1	Sample preparation and preliminary inspection	THE LIFE STEEL	N/A
G.13.6.2	Test method and compliance	m m m	N/A
G.14	Coating on components terminals	TEX SITER OUTER AND	N/A
G.14.1	Requirements	24 24	N/A
G.15	Pressurized liquid filled components	TEX SITES INTER WALTE	N/A
G.15.1	Requirements	No such component	N/A
G.15.2	Test methods and compliance	ALTER MITE WALTE	N/A
G.15.2.1	Hydrostatic pressure test		N/A
G.15.2.2	Creep resistance test	THE MALE WE	N/A
G.15.2.3	Tubing and fittings compatibility test	# A	of N/A
G.15.2.4	Vibration test	LIE WALL WALL WALL	N/A
G.15.2.5	Thermal cycling test	a state of	N/A
G.15.2.6	Force test	WHIT WILL WALL	N/A
G.15.3	Compliance	at let let	N/A
G.16	IC including capacitor discharge function (ICX)	When My My	N/A
G.16.1	Condition for fault tested is not required	No such component	N/A
	ICX with associated circuitry tested in equipment	he me me m	N/A
et incre	ICX tested separately	Et TEX TEX NIT	N/A
G.16.2	Tests	Mr. Mr. M.	N/A
MULLE A	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	WILLER WALTER WALTER	whit -
INLIES WAS	Mains voltage that impulses to be superimposed on	CLIER WALTER WALTER W	ALTER -
TEX WALTE	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test	THE SLIET WIFE MAL	TELL —
G.16.3	Capacitor discharge test:	7, 2, 7	N/A
Н	CRITERIA FOR TELEPHONE RINGING SIGNAL	S	N/A
H.1	General	The state of	N/A
H.2	Method A		N/A



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Unite Maria	Aller Aller Aller M.	EN IEC 62368-	Liet wife while	Write Mrie Mrie
Clause	Requirement – Test	MUT. All. A.	Result – Remark	Verdict

H.3	Method B	10 10	N/A
H.3.1	Ringing signal	No telephone ringing signal generated within the equipment.	N/A
H.3.1.1	Frequency (Hz):	With My My My	_
H.3.1.2	Voltage (V):	et set set set seet	_
H.3.1.3	Cadence; time (s) and voltage (V):	e me me me m	_
H.3.1.4	Single fault current (mA):	t the tip start with	_
H.3.2	Tripping device and monitoring voltage	Mr. Mr. And Andrews	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	united white white white	N/A
H.3.2.2	Tripping device	THE THE LIFE OUTER	N/A
H.3.2.3	Monitoring voltage (V)	ir mr. m.	N/A
J	INSULATED WINDING WIRES FOR USE WITHO INSULATION	UT INTERLEAVED	N/A
J.1	General	L LEK TEK TEK SIT	N/A
70, 2	Winding wire insulation	Mr. Mr. Mr. Mr.	_
NETER SINE	Solid round winding wire, diameter (mm):	it the street	N/A
IEK SITE	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²):	The state of the s	N/A
J.2/J.3	Tests and Manufacturing	it with the sur so	, <u>'</u>
K	SAFETY INTERLOCKS		N/A
K.1	General requirements	Mr. Mr. M. M.	N/A
MUTIEL M	Instructional safeguard	No safety interlock provided within the equipment.	N/A
K.2	Components of safety interlock safeguard mec	hanism	N/A
K.3	Inadvertent change of operating mode	Will Mur Mur Mur	N/A
K.4	Interlock safeguard override	ex rex rex right or	N/A
K.5	Fail-safe	in my my my m	N/A
K.5.1	Under single fault condition	- TEK STEK STEK INT	N/A
K.6	Mechanically operated safety interlocks	Mer. Mr. Mr. Mr.	N/A
K.6.1	Endurance requirement	TEX LIEX NITE WITE	N/A
K.6.2	Test method and compliance:	me m m	N/A
K.7	Interlock circuit isolation	CIEN STEE WITE WITE S	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements	at the text of the	N/A
TEX.	In circuit connected to mains, separation distance for contact gaps (mm):	Mer My My M	N/A



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Clause	Requirement – Test	Result – Remark	Verdict	
NITEK.	In circuit isolated from mains, separation distance for contact gaps (mm):	the new man and and	N/A	
SHEET S	Electric strength test before and after the test of K.7.2	(See appended table 5.4.9)	N/A	
K.7.2	Overload test, Current (A):	WILL MULL MULL MILL	N/A	
K.7.3	Endurance test	at let let let	N/A	
K.7.4	Electric strength test	it with the m	N/A	
L	DISCONNECT DEVICES		N/A	
L.1	General requirements	Any Any Any Any	N/A	
L.2	Permanently connected equipment	TEX TEX LIFE OUTE	N/A	
L.3	Parts that remain energized	Mr. Mr. Mr.	N/A	
L.4	Single-phase equipment	TEN STEN SITE WITE	N/A	
L.5	Three-phase equipment	The same of	N/A	
L.6	Switches as disconnect devices	Et liet alter militans	N/A	
L.7	Plugs as disconnect devices	70 ¹ 10 ¹ 10 ² 4	N/A	
L.8	Multiple power sources	ALTER NATE WALTER WALT	N/A	
At .	Instructional safeguard:		N/A	
М	EQUIPMENT CONTAINING BATTERIES AND TH	HEIR PROTECTION CIRCUITS	n P	
M.1	General requirements		P	
M.2	Safety of batteries and their cells		Р	
M.2.1	Batteries and their cells comply with relevant IEC standards:	Approved battery pack used	P.J	
M.3	Protection circuits for batteries provided within the equipment	provided		
M.3.1	Requirements	The Mary Mary	Р	
M.3.2	Test method	LIER SLIER WILL MILE	P	
EK MITEN	Overcharging of a rechargeable battery	(See appended table Annex M)	TEK P	
CER	Excessive discharging	(See appended table Annex M)	P	
2014 2015	Unintentional charging of a non-rechargeable battery	No such battery used	N/A	
V. 11	Reverse charging of a rechargeable battery	Built-in battery used, reverse charging is prevented	N/A	
M.3.3	Compliance	No chemical leakage, no spillage of liquid, no explosion of the battery, no emission of flame or expulsion of molten metal	NET PA	
M.4	Additional safeguards for equipment containin lithium battery	g a portable secondary	W.P.	



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-20,	EN IEC 62368-	The same sales	n dr
Clause	Requirement – Test	Result – Remark	Verdict
mr.	an an a state of	En Will Will Mur. Mu.	, un
M.4.1	General		Р
M.4.2	Charging safeguards	Under normal operating conditions, abnormal operating conditions or single fault conditions, the charging voltage, charging current of the battery no exceed the maximum specified charging voltage and maximum specified charging current.	WALER OF STEEL
M.4.2.1	Requirements	mur, mr, mr, m	N/A
M.4.2.2	Compliance:	(See appended table M.4.2)	Р
M.4.3	Fire enclosure:	V-1 fire enclosure used	Р
M.4.4	Drop test of equipment containing a secondary lithium battery	LIER WHITER WHITER WHITER	Р
M.4.4.2	Preparation and procedure for the drop test	at the test	The Par
M.4.4.3	Drop, Voltage on reference and dropped batteries (V); voltage difference during 24 h period (%)::	The voltage difference not exceed 5%.	P
M.4.4.4	Check of the charge/discharge function	Three complete discharge and charge cycles under normal operating conditions.	Р
M.4.4.5	Charge / discharge cycle test	No fire, explosion and any electrolyte leakage	Р
M.4.4.6	Compliance	The Mult Mult Mult A	Р
M.5	Risk of burn due to short-circuit during carrying	g of the	of Po
M.5.1	Requirement	No bare conductive terminal used	P
M.5.2	Test method and compliance	NITE WILL WILL WILL	N/A
M.6	Safeguards against short-circuits	a de de de	ZΘP
M.6.1	External and internal faults	NITE WALL WALL WALL	N/A
M.6.2	Compliance	The battery complied with IEC 62133-2 which considered the internal fault tests. No such explosion or fire likely to result from short circuits.	TEK P M M
M.7	Risk of explosion from lead acid and NiCd batteries		N/A
M.7.1	Ventilation preventing explosive gas concentration	No such battery used	N/A
MULL	Calculated hydrogen generation rate:	TEX STER BUTE WALTER	N/A
M.7.2	Test method and compliance	24, 24,	N/A
WILL.	Minimum air flow rate, Q (m³/h)	ex niter white white wh	N/A
M.7.3	Ventilation tests		N/A
M.7.3.1	General	STEE OUTE SOUTH SOUTH	N/A



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Clause	Desiring mont. Took	Result – Remark	Verdict
Clause	Requirement – Test	Result – Remark	verdict
M.7.3.2	Ventilation test – alternative 1	me me m	N/A
W. The	Hydrogen gas concentration (%)	LIER RUTER MUTER MALI	N/A
M.7.3.3	Ventilation test – alternative 2	THE THE THE THE	N/A
The July	Obtained hydrogen generation rate:	alter miter unlie unlie	N/A
M.7.3.4	Ventilation test – alternative 3		N/A
AL.	Hydrogen gas concentration (%)	TET MITE WALL WALL W	N/A
M.7.4	Marking	L A A A A	N/A
M.8	Protection against internal ignition from extern with aqueous electrolyte	al spark sources of batteries	N/A
M.8.1	General	CLIEB WILL WALLE	N/A
M.8.2	Test method	The state of the state of	N/A
M.8.2.1	General	LIFE MITE WALL WALL	N/A
M.8.2.2	Estimation of hypothetical volume V _Z (m ³ /s):	a at at at	Steph - S
M.8.2.3	Correction factors:	murity and made an	100
M.8.2.4	Calculation of distance d (mm)	et let jet j	F 15
M.9	Preventing electrolyte spillage	MULL AND AND AND	N/A
M.9.1	Protection from electrolyte spillage	at the street	N/A
M.9.2	Tray for preventing electrolyte spillage	2 14 14	N/A
M.10	Instructions to prevent reasonably foreseeable misuse	TE WHITE WALLE WHITE	N/A
LITER	Instructional safeguard	the fifth of the same	N/A
N	ELECTROCHEMICAL POTENTIALS	Mer Aug Mr Aug	N/A
White M	Material(s) used:	TEK STEK STEK MITE	NATE.
0	MEASUREMENT OF CREEPAGE DISTANCES A	AND CLEARANCES	N/A
	Value of X (mm)	TEX LITER NITER WITER	10 Line
P	SAFEGUARDS AGAINST CONDUCTIVE OBJECT	TS	Р
P.1	General	See below	Р
P.2	Safeguards against entry or consequences of e	entry of a foreign object	⊬ P _e
P.2.1	General	mitter with white whi	₩P.
P.2.2	Safeguards against entry of a foreign object	The state of	Р
ing an	Location and Dimensions (mm)	No opening.	me.
P.2.3	Safeguards against the consequences of entry of a foreign object	TEX STEX MITES WATER	N/A
P.2.3.1	Safeguard requirements	n, n,	N/A
mr.	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment	THE WALLE WHILE WHILE WA	N/A



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EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
- Che	Transportable antique and trible undelined aleatin	the transfer our one	NI/A	
	Transportable equipment with metalized plastic parts	LEK TEK STEK SUT	N/A	
P.2.3.2	Consequence of entry test:	mer me me my	N/A	
P.3	Safeguards against spillage of internal liquids	THE THE LITTER MUTER	N/A	
P.3.1	General	No such liquids.	N/A	
P.3.2	Determination of spillage consequences	THE LITER OLITER AND THE AN	N/A	
P.3.3	Spillage safeguards	M. M.	N/A	
P.3.4	Compliance	A STEEL WITE WALTE WAS	N/A	
P.4	Metallized coatings and adhesives securing pa	rts	N/A	
P.4.1	General	No such construction.	N/A	
P.4.2	Tests	and the set of	N/A	
in Mus	Conditioning, T _C (°C)	LIFE WALTE WALT WALT	2 n _ 21	
it the	Duration (weeks)	a at all all	56th -5	
Q di	CIRCUITS INTENDED FOR INTERCONNECTION	WITH BUILDING WIRING	N/A	
Q.1	Limited power sources	at let let it	N/A	
Q.1.1	Requirements	white mer me me	N/A	
STEE IN	a) Inherently limited output	ALL STEE STEE	N/A	
	b) Impedance limited output	2 40 20	N/A	
TEN MALTE	c) Regulating network limited output	THE THE STATE OF THE	N/A	
<u> </u>	d) Overcurrent protective device limited output	Mr. An M.	N/A	
MULTE	e) IC current limiter complying with G.9	of the still mile and	N/A	
Q.1.2	Test method and compliance	See below	N/A	
Meri M	Current rating of overcurrent protective device (A)	WHITE WALTER WALTER WALL	N/A	
Q.2	Test for external circuits – paired conductor cable	No such circuit for connection to the EUT	N/A	
EX NIE	Maximum output current (A):	at let let text.	N/A	
10,	Current limiting method	MULL MULL MULL MI	7.	
R	LIMITED SHORT CIRCUIT TEST	of the test that the	N/A	
R.1	General	No such consideration.	N/A	
R.2	Test setup	TER TER STEE WITE	N/A	
	Overcurrent protective device for test:	me me in m		
R.3	Test method	THE LITER RITER WITER	N/A	
4 2+	Cord/cable used for test	2 M. M. M.	et -	
R.4	Compliance	et liet alle alle alle	N/A	



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EN IEC 62368-1					
Clause	Requirement – Test	in the man	Result – Remark	Verdict	

S	TESTS FOR RESISTANCE TO HEAT AND FIRE	N/A
S.1	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W	
erie un	Samples, material:	المستريم
٠, ٠,	Wall thickness (mm)	
and i	Conditioning (°C)	40
MALTER	Test flame according to IEC 60695-11-5 with conditions as set out	N/A
*	- Material not consumed completely	N/A
Wille a	- Material extinguishes within 30s	N/A
<i>_</i> +	- No burning of layer or wrapping tissue	N/A
S.2	Flammability test for fire enclosure and fire barrier integrity	N/A
* 4	Samples, material:	(E) _ 1
Mer	Wall thickness (mm)	"The
TEX	Conditioning (°C)	-
S.3	Flammability test for the bottom of a fire enclosure	N/A
S.3.1	Mounting of samples	N/A
S.3.2	Test method and compliance	N/A
iek ou	Mounting of samples:	11 ^{EF} -10
	Wall thickness (mm)	
S.4	Flammability classification of materials	N/A
S.5	Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W	N/A
at the	Samples, material	Tok.
10	Wall thickness (mm)	112 -01
EX JE	Conditioning (°C)	5EK - 5
T "	MECHANICAL STRENGTH TESTS	N/A
T.1 (1)	General	N/A
T.2	Steady force test, 10 N:	N/A
T.3	Steady force test, 30 N:	N/A
T.4	Steady force test, 100 N:	N/A
T.5	Steady force test, 250 N:	N/A
T.6	Enclosure impact test	N/A
WALTE	Fall test	N/A
d	Swing test	N/A
T.7	Drop test:	N/A



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Clause	EN IEC 62368-	20, 20, 2	Mondiet
Clause	Requirement – Test	Result – Remark	Verdict
T.8	Stress relief test:		N/A
T.9	Glass Impact Test	No such glass	N/A
T.10	Glass fragmentation test		
211	Number of particles counted:	No such glass	N/A
T.11	Test for telescoping or rod antennas	at let let liet	N/A
- Test	Torque value (Nm):	No such antennas provided within the equipment.	N/A
Usile .	MECHANICAL STRENGTH OF CATHODE RAY T PROTECTION AGAINST THE EFFECTS OF IMPL		N/A
U.1	General	LIER WILL WILLE MILLE	N/A
LIEK MIL	Instructional safeguard:	No CRT provided within the equipment.	N/A
U.2	Test method and compliance for non-intrinsical	y protected CRTs	N/A
U.3	Protective screen	sex lifex nitex anite an	N/A
V	DETERMINATION OF ACCESSIBLE PARTS	711 721 7	N/A
V.1	Accessible parts of equipment	ALTER NATER WALTER WAL	N/A
V.1.1	General		N/A
V.1.2	Surfaces and openings tested with jointed test probes	The many many	N/A
V.1.3	Openings tested with straight unjointed test probes	TELLIE OLIVERALIE	N/A
V.1.4	Plugs, jacks, connectors tested with blunt probe	Mr. In A	N/A
V.1.5	Slot openings tested with wedge probe	* SLIER WILLER WILLER AND	N/A
V.1.6	Terminals tested with rigid test wire	n n	N/A
V.2	Accessible part criterion	CALIER WALTER WALTE WALL	N/A
X Ex was	ALTERNATIVE METHOD FOR DETERMINING CLINSULATION IN CIRCUITS CONNECTED TO AN 420 V PEAK (300 V RMS)		N/A
EF WILL	Clearance	at let let liet	N/A
Υ	CONSTRUCTION REQUIREMENTS FOR OUTDO	OR ENCLOSURES	N/A
Y.1	General	Indoor equipment	N/A
Y.2	Resistance to UV radiation	The The Me	N/A
Y.3	Resistance to corrosion	TER STER WITER WITE	N/A
Y.3	Resistance to corrosion	me in in	N/A
Y.3.1	Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by	LEE WALTER WALLE WALLE	N/A
Y.3.2	Test apparatus	It THE LIER LIER IS	N/A
Y.3.3	Water – saturated sulphur dioxide atmosphere	Mur Mu M. A.	N/A
Y.3.4	Test procedure	THE THE STATE OF	N/A



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EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
ale.	THE THE STATE OF T	TEN STEE STATE STATE	The The	
Y.3.5	Compliance	70, 7	N/A	
Y.4	Gaskets	CLIEB MILE MILE	N/A	
Y.4.1	General	711 T	N/A	
Y.4.2	Gasket tests	WILL WILL MALL A	N/A	
Y.4.3	Tensile strength and elongation tests		N/A	
24	Alternative test methods:	THE MULT WALL WAS	N/A	
Y.4.4	Compression test	L st set se	N/A	
Y.4.5	Oil resistance	white mer mer	N/A	
Y.4.6	Securing means	at let let	N/A	
Y.5	Protection of equipment within an outdoor encl	osure	N/A	
Y.5.1	General	et let jet	N/A	
Y.5.2	Protection from moisture	her me me m	N/A	
MILIE	Relevant tests of IEC 60529 or Y.5.3:	Et TEX TEX NO	N/A	
Y.5.3	Water spray test	Mr. M. M.	N/A	
Y.5.4	Protection from plants and vermin	Y TEN LITER OLITER	N/A	
Y.5.5	Protection from excessive dust	41 41 21	N/A	
Y.5.5.1	General	LEF CONTIE	N/A	
Y.5.5.2	IP5X equipment	7 1	N/A	
Y.5.5.3	IP6X equipment	IF RITE WILL WA	N/A	
Y.6	Mechanical strength of enclosures		N/A	
Y.6.1	General	THE WALTER WALL	N/A	
Y.6.2	Impact test:	The state of	N/A	



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il,	in the	7/11 / 2/1	EN IEC 62368-1	ITER MALTER MALTER	Mr. M	in all
	Clause	Requirement – Test	Mer. M. M.	Result – Remark	JEH K	Verdict

ATTACHMENT TO TEST REPORT

IEC 62368-1

EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

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

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

Attachment Form No.....: EU_GD_IEC62368_1E

Attachment Originator....: UL(Demko)

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

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	CENELEC COMMON MODIFICATIONS (EN)	etien with white me	Р
MUTER OF	Clause numbers in the cells that are shaded light grey are clause references in EN IEC 62368-1:2020+A11:2020. All other clause numbers in that column, except for those in the paragraph below, refers to IEC 62368-1:2018. Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 62368-1:2018 are prefixed "Z".		P. P. WALLE
NLT WITE	Add the following annexes: Annex ZA (normative)Normative references to interrecorresponding European publications	national publications with their	P.
	Annex ZB (normative)Special national conditions Annex ZC (informative)A-deviations Annex ZD (informative)IEC and CENELEC code des	signations for flexible cords	
1	Modification to Clause 3.		N/A
3.3.19	Sound exposure Replace 3.3.19 of IEC 62368-1 with the following definitions:		N/A
3.3.19.1	momentary exposure level, MEL metric for estimating 1 s sound exposure level from the HD 483-1 S2 test signal applied to both channels, based on EN 50332-1:2013, 4.2. Note 1 to entry: MEL is measured as A-weighted levels in dB. Note 2 to entry: See B.3 of EN 50332-3:2017 for additional information.	Not such equipment	N/A
3.3.19.3	sound exposure, E A-weighted sound pressure (p) squared and integrated over a stated period of time, T Note 1 to entry: The SI unit is Pa^2 s. T $E = \int_{0}^{T} p(t)^2 dt$	Mile Multer Multer While	N/A



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict

Clause	Trequirement – rest	Tresuit – Iremark	Veruici
- Mr	The state of the state of	The life will all the	40
3.3.19.4	sound exposure level, SEL logarithmic measure of sound exposure relative to a reference value, <i>E</i> ₀ , typically the 1 kHz threshold of hearing in humans.	MULTER WALTER WALTER WALT	N/A
	Note 1 to entry: SEL is measured as A-weighted levels in dB.	street white white white	THE ALL
	$SEL = 10 \lg \left(\frac{E}{E_0}\right) dB$	the militarity with a	TE- OLTEK
AN A	Note 2 to entry: See B.4 of EN 50332-3:2017 for additional information.	antit anti anti an	L METER N
3.3.19.5	digital signal level relative to full scale, dBFS	Mer Aug Mr. Aug	N/A
	levels reported in dBFS are always r.m.s. Full scale level, 0 dBFS, is the level of a dc-free 997-Hz sine wave whose undithered positive peak value is positive digital full scale, leaving the code corresponding to negative digital full scale unused	TEX WHITEX WHITEX WHITEX	an itek wai Lifek
Whitek w	Note 1 to entry: It is invalid to use dBFS for non-r.m.s. levels. Because the definition of full scale is based on a sine wave, the level of signals with a crest factor lower than that of a sine wave may exceed 0 dBFS. In particular, square wave signals may reach +3,01 dBFS.	MILIER WHITER WHITER WHI	EX WILLEY.
2	Modification to Clause 10		N/A
10.6	Safeguards against acoustic energy sources		N/A
Miles	Replace 10.6 of IEC 62368-1 with the following:		in any
10.6.1.1	Introduction	Not such equipment	N/A
	Safeguard requirements for protection against long-term exposure to excessive sound pressure levels from personal music players closely coupled to the ear are specified below. Requirements for earphones and headphones intended for use with personal music players are also covered. A personal music player is a portable equipment intended for use by an ordinary person, that:	White white white white	WATER WA
	 is designed to allow the user to listen to audio or audiovisual content / material; and uses a listening device, such as headphones or earphones that can be worn in or on or around the ears; and has a player that can be body worn (of a size suitable to be carried in a clothing pocket) and is intended for the user to walk around with while in continuous use (for example, on a street, in a subway, at an airport, etc.). 	Whitek	TE WALTER WALTER
	EXAMPLES Portable CD players, MP3 audio players, mobile phones with MP3 type features, PDAs or similar equipment.	ANTER MULTER MULTER M	LIFE
	Personal music players shall comply with the	3	



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2/1	EN IEC 62368-1	the wife much who	2/1, 2/1,
Clause	Requirement – Test	Result – Remark	Verdict
J. J. C.	INOTE A Data di sua di	the will winter	21/2 21/2
	NOTE 1 Protection against acoustic energy sources from telecom applications is referenced to ITU-T P.360.	The state of the s	Et LEX
	NOTE 2 It is the intention of the Committee to allow the	LIFET OLIFE WIFE	are are
	alternative methods for now, but to only use the dose	24. 24. 24.	
	measurement method as given in 10.6.5 in future. Therefore,	at at all	TER LIE .
	manufacturers are encouraged to implement 10.6.5 as soon as possible.	STILL WILL MALL M	in 24 24
	- THE THE THE NITE WITH MILE AND A		x
	Listening devices sold separately shall comply	CER LIER SLIER WILL	are are
	with the requirements of 10.6.6.	14, 14, 14,	
	These requirements are valid for music or video mode only.	at the test	16 JE
	The requirements do not apply to:	CLIE MILL MILL	Mr. Mr.
	- professional equipment;	20, 20, 2	4 4
	is the me in an	LET TEX TEXT	ALTE METER
	NOTE 3Professional equipment is equipment sold through special sales channels. All products sold through normal	mer mer in a	
	electronics stores are considered not to be professional	1 + 2+	LET LET
	equipment.	TER SITE WITH WA	11 11
	hearing aid equipment and other devices for	20 20 2	
	assistive listening;	A LET JET JE	e all and
	the following type of analogue personal music	aure mer me	10, 20.
	players:	1 1 t	Let Let
	long distance radio receiver (for example, a	THE STEE WITE	WILL WILL
	multiband radio receiver or world band radio	11/4 21/4 20, 20,	
	receiver, an AM radio receiver), and	At A REP	THE LIES
	cassette player/recorder;	The sure of	7 7 7
	NOTE 4 This exemption has been allowed because this		st it
	technology is falling out of use and it is expected that within a	OF THE LITTER ST	10 100
	few years it will no longer exist. This exemption will not be extended to other technologies.	is the the the	20
	The state with the same	at at all	- 18 TE
	- a player while connected to an external amplifier	CLIE WILL WALL	Mr. Mr.
	that does not allow the user to walk around while	20, 25,	4 4
	in use.	LET TEX TEX	CLIEF WITE
	For equipment that is clearly designed or intended	are me in	20
	primarily for use by children, the limits of the	1 1 1	LEX LEX
	relevant toy standards may apply.	LIER OLIE WILL ON	" " "
	That with the stiff will will we	24. 24. 2.	
	The relevant requirements are given in EN 71-1:2011, 4.20 and the related tests methods	at let let it	
	and measurement distances apply.	MUT, MUT, MIL	20, 20
10.6.1.2	Non-ionizing radiation from radio frequencies	A A A	N/A
21/2 2	in the range 0 to 300 GHz	INLIE MALIE MALI	Mus Missie
	The amount of non-ionizing radiation is regulated	20, 2,	.t*
	by European Council Recommendation	TEX TEX TEX	ALT MALL
	1999/519/EC of 12 July 1999 on the limitation of	The Mer Coll Coll	
	exposure of the general public to electromagnetic	1 1 1	CENT CENT
	fields (0 Hz to 300 GHz).	TEX SITES OUTE WITH	, an an
	For intentional radiators, ICNIRP guidelines should	24, 24, 24	
	be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and	L at at a	
	Electromagnetic Fields (up to 300 GHz). For hand-	WILL WILL WAL	211.
	held and body mounted devices, attention is	20 2	_t
	drawn to EN 50360 and EN 50566.	LET LET LIE	The Wall



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Lange Committee	EN IEC 62368-1			- July	
Clause	Requirement – Test	Aller Aller Aller	Result – Remark	at a	Verdict

10.6.2	Classification of devices without the capacity to	estimate sound dose	N/A
	General This standard is transitioning from short-term based (30 s) requirements to long-term based (40 hour) requirements. These clauses remain in effect only for devices that do not comply with sound dose estimation as stipulated in EN 50332-3. For classifying the acoustic output <i>L</i> _{Aeq} , <i>τ</i> , measurements are based on the A-weighted equivalent sound pressure level over a 30 s period. For music where the average sound pressure (long term <i>L</i> _{Aeq} , <i>τ</i>) measured over the duration of the song is lower than the average produced by the programme simulation noise, measurements may be done over the duration of the complete song. In this case, <i>T</i> becomes the duration of the song. NOTE Classical music, acoustic music and broadcast typically has an average sound pressure (long term <i>L</i> _{Aeq} , <i>τ</i>) which is much lower than the average programme simulation noise. Therefore, if the player is capable to analyse the content and compare it with the programme simulation noise, the warning does not need to be given as long as the average sound pressure of the song does not exceed the required limit. For example, if the player is set with the programme simulation noise to 85 dB, but the average music level of the song is only 65 dB, there is no need to give a warning or ask an	Not such equipment	N/A JIP N/A
10.6.2.2 Indicate white	acknowledgement as long as the average sound level of the song is not above the basic limit of 85 dB. RS1 limits (to be superseded, see 10.6.3.2) RS1 is a class 1 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the ∠Aeq, ⊤ acoustic output shall be ≤ 85 dB when playing the fixed "programme simulation noise" described in EN 50332-1. — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 27 mV (analogue interface) or -25 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN 50332-1. — The RS1 limits will be updated for all devices as	UNLIER WHITER WH	N/A



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	The state of the s	EN IEC 62368-1	
Clause	Requirement – Test	Result – Remark	Verdict

	Troquiroment Tool	Tresuit Tremant	, voi uiot
10.6.2.3	RS2 limits (to be superseded, see 10.6.3.3)	THE THE MENT WAS IN	Р
10.6.2.3 anti-vinited whitely whitely whitely will be a second of the control of	RS2 limits (to be superseded, see 10.6.3.3) RS2 is a class 2 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or when the combination of player and listening device is known by other means such as setting or automatic 130 detection, the <i>L</i> Aeq, <i>τ</i> acoustic output shall be ≤ 100 dB(A) when playing the fixed "programme simulation noise" as described in EN 50332-1. — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 150 mV (analogue interface) or -10 dBFS (digital	JUNITER WHITER	THE WILLIES WITH THE
y writer	interface) when playing the fixed "programme simulation noise" as described in EN 50332-1.	et liet sliet skiret s	ALTEX WALT
10.6.2.4	RS3 limits RS3 is a class 3 acoustic energy source that exceeds RS2 limits.	White white white whi	N/A
10.6.3	Classification of devices (new)	A THE SE	N/A
10.6.3.1	General	Not such equipment	N/A
	Previous limits (10.6.2) created abundant false negative and false positive PMP sound level warnings. New limits, compliant with The Commission Decision of 23 June 2009, are given below.	TER STEE STEEL STEEL	Mariex Marie
10.6.3.2	RS1 limits (new)	7/1 // 2/1	N/A
	RS1 is a class 1 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the LAeq, ⊤ acoustic output shall be ≤ 80 dB when playing the fixed "programme simulation noise" described in EN 50332-1. — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 15 mV (analogue interface) or -30 dBFS (digital interface) when playing the fixed "programme	INCITES WHITES W	MALIER WHITELY MILIER WHITELY
10.6.3.3	simulation noise" described in EN 50332-1. RS2 limits (new)	of outst united white w	N/A
MULTEK MI	RS2 is a class 2 acoustic energy source that does not exceed the following: – for equipment provided as a package (player	Writek Writek Muriek Muri	JANUTER WALTER



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	EN IEC 62368-1	411. 70. 1	
Clause	Requirement – Test	Result – Remark	Verdict
ale.	The the the the	and with the	me m
	with its listening device), and with a proprietary	20, 2	Jt 15t
	connector between the player and its listening	THE STEE STEE	Will William
	device, or where the combination of player and	were the the to	
	listening device is known by other means such as setting or automatic detection, the weekly sound		LIK LEK
	exposure level, as described in EN 50332-3, shall	THE THE NUT WE	10 11
	be ≤ 80 dB when playing the fixed "programme	er my my	
	simulation noise" described in EN 50332-1.	1 1 1 1	
	for equipment provided with a standardized	the alter with which	The The
	connector (for example, a 3,5 phone jack) that	211. 22. 2.	
	allows connection to a listening device for general		CIE LIE
	use, the unweighted r.m.s. output level, integrated	relie with which	211
	over one week, as described in EN50332-3, shall	20, 20,	4
	be ≤ 15 mV (analogue interface) or -30 dBFS	at the set	TEE RETE
	(digital interface) when playing the fixed	WELL WITH WHITH AND	130
	"programme simulation noise" described in EN		at let
The Maria	50332-1.	Let get get a	- 10 Jan 191
10.6.4	Requirements for maximum sound exposure	r. Mr. Mr. M.	N/A
10.6.4.1	Measurement methods	Not such equipment	N/A
	All volume controls shall be turned to maximum	ant we are	10, 1,
	during tests.	1 1	
	the many and an arriver the	TER LIE RITE	VIII. WY
	Measurements shall be made in accordance with	11/2 My 211 1	
- C* - C	EN 50332-1 or EN 50332-2 as applicable.		
10.6.4.2	Protection of persons	The state of the s	P ₃
	Except as given below, protection requirements for		1 1
	parts accessible to ordinary persons,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	instructed persons and skilled persons are	it with whi	24, 24,
	given in 4.3.	, t	21- 16
	NOTE 1 Volume control is not considered a safeguard .	TEX TEX STE	White Willy
	NOTE I Volume control is not considered a saleguard.	The Mr. M.	22
	Between RS2 and an ordinary person , the basic	L A A	78th 78th
	safeguard may be replaced by an instructional	LITER METER WALL WI	The state of
	safeguard in accordance with Clause F.5, except	21, 24, 20	
	that the instructional safeguard shall be placed	at at 1th 5	CLE TO
	on the equipment, or on the packaging, or in the	the over mer mer	21, 21
	instruction manual. Alternatively, the instructional safeguard may be		
	given through the equipment display during use.	EX TEX TEX LIE	The same
	given an ough the equipment display during use.	MUT MUT MILE	30
	The elements of the instructional safeguard	at at at	TEN TEN
	shall be as follows:	CLIP WILL WALL	115
	the the the the	24 25 2	4 4
	element 1a: the symbol بالكام JEC 60417-	at let let	TE RUTE
	6044 (2011-01)	WILL MULL MULL MA	10,
	- element 2: "High sound pressure" or equivalent		+ 2+
	wording	LET LET LET LET	110 11
	 element 3: "Hearing damage risk" or equivalent 	y we are	10, 20,
	wording	L A	10 to 10
	 element 4: "Do not listen at high volume levels 	THE LITE WITH	aler, oler,
	for long periods." or equivalent wording	The The The	
	The still this way to be	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TEX TEX
	An equipment safeguard shall prevent exposure	The street of the street of	100



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10,	EN IEC 62368-1	in the sale and	20, 20,
Clause	Requirement – Test	Result – Remark	Verdict
ale .	THE THE THE THE	ALTER OFF MACE	The The
	of an ordinary person to an RS2 source without intentional physical action from the ordinary person and shall automatically return to an output level not exceeding what is specified for an RS1 source when the power is switched off. The equipment shall provide a means to actively	nutek whitek whitek wh	UNLIER WHITER
	inform the user of the increased sound level when the equipment is operated with an output exceeding RS1. Any means used shall be acknowledged by the user before activating a mode of operation which allows for an output exceeding RS1. The acknowledgement does not need to be repeated more than once every 20 h of cumulative listening time.	ex unliex whitex unliex unliex whitex whitex whitex whitex whitex	WALTER WALTER
	NOTE 2 Examples of means include visual or audible signals. Action from the user is always needed. NOTE 3 The 20 h listening time is the accumulative listening	TEX WAITER WAITER WAY	iek white w
	time, independent of how often and how long the personal music player has been switched off.	White white white	ant ant
white of	A skilled person shall not be unintentionally exposed to RS3.	Lifet Nifet Military	MULTE MILLE
10.6.5	Requirements for dose-based systems		N/A
	General requirements Personal music players shall give the warnings as provided below when tested according to EN 50332-3, using the limits from this clause. The manufacturer may offer optional settings to allow the users to modify when and how they wish to receive the notifications and warnings to promote a better user experience without defeating the safeguards. This allows the users to be informed in a method that best meets their physical capabilities and device usage needs. If such optional settings are offered, an administrator (for example, parental restrictions, business/educational administrators, etc.) shall be able to lock any optional settings into a specific configuration. The personal music player shall be supplied with easy to understand explanation to the user of the	Not such equipment	N/A E WAS SER WAS MITTER WAS
10.6.5.2	dose management system, the risks involved, and how to use the system safely. The user shall be made aware that other sources may significantly contribute to their sound exposure, for example work, transportation, concerts, clubs, cinema, car races, etc. Dose-based warning and requirements	TEK WHITEK WHITEK WHI	N/A
10.0.0.2	When a dose of 100 % <i>CSD</i> is reached, and at least at every 100 % further increase of <i>CSD</i> , the device shall warn the user and require an	whit will will the	OLIEK MALIEK



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	EN IEC 62368-1	re all all all	10, 1
Clause	Requirement – Test	Result – Remark	Verdict
apr.	W The state of	The water about	we we
	acknowledgement. In case the user does not	200	14 14 Et
	acknowledge, the output level shall automatically decrease to compliance with class RS1.	THE STEE STEE	WILL WILL
	decrease to compliance with class No1.	We are a	
	The warning shall at least clearly indicate that	a to the state of	ELY JET
	listening above 100 % <i>CSD</i> leads to the risk of	LIFET NITE INLIVE WAY	10 10
	hearing damage or loss.	20 20 20 20	
0.6.5.3	Exposure-based requirements	It Let LET JE	N/A
	With only dose-based requirements, cause and	auti were mure	411.
	effect could be far separated in time, defying the	4	20- 20
	purpose of educating users about safe listening	TEX LITER SLIP	with white
	practice. In addition to dose-based requirements,	The The M.	3.
	a PMP shall therefore also put a limit to the short-	the state of	THE STEET
	term sound level a user can listen at.	wite with white will	in the
	The same to a self-limite of (C1) at all	11. 24.	e to
	The exposure-based limiter (EL) shall automatically reduce the sound level not to exceed	LET TEX JET JE	er in the sil
	100 dB(A) or 150 mV integrated over the past 180	in we we	20 20
	s, based on methodology defined in EN 50332-3.		- X
	The EL settling time (time from starting level	ex life wife with	ave ave
	reduction to reaching target output) shall be 10 s	24, 24, 25,	
	or faster.	at at the	THE LITE
	Total Classic aliance and the description of	WILL WILL WALL	211.
	Test of EL functionality is conducted according to EN 50332-3, using the limits from this clause. For		at let
	equipment provided as a package (player with its	THE STATE OF	The Court of
	listening device), the level integrated over 180 s	2 20 20	
	shall be 100 dB or lower. For equipment provided	# 1	t litt
	with a standardized connector, the unweighted	ite out with	m m
	level integrated over 180 s shall be no more than	70, 70, 1	
	150 mV for an analogue interface and no more	LEFT THE STEEL	CITE WIT
	than -10 dBFS for a digital interface.	are we we	211.
	NOTE In case the source is known not to be music (or test	1 1 t	LEK LEK
an an	signal), the EL may be disabled.	The the wife of	ru, av,
0.6.6	Requirements for listening devices (headphone	s, earphones, etc.)	N/A
0.6.6.1	Corded listening devices with analogue input	Not such equipment	N/A
	With 94 dB LAeq acoustic pressure output of the	20, 25, 3,	4.
	listening device, and with the volume and sound	A BY THE THE	TO THE WAY
	settings in the listening device (for example, built-	West wife and	21/2 22
	in volume level control, additional sound features like equalization, etc.) set to the combination of	1 +	
	positions that maximize the measured acoustic	TEX LIFE OLIVE	inlie when
	output, the input voltage of the listening device	The My in	
	when playing the fixed "programme simulation	A A A	TEX JEE
	noise" as described in EN 50332-1 shall be ≥ 75	CITE WILL WALL WA	1/1/2
	mV.	10. 10.	+ 2+
	NOTE The values of 94 dB and 75 mV correspond with 85 dB	Et JEK JEK JI	115 11
-20,	and 27 mV or 100 dB and 150 mV.	y mur mur m	20, 2,
0.6.6.2	Corded listening devices with digital input	t at at out	N/A
0.0.0.2			~ (1) ~ (1),
0.0.0.2	With any playing device playing the fixed	are are are	20.
0.0.0.2	With any playing device playing the fixed "programme simulation noise" described in EN 50332-1, and with the volume and sound settings	Mer Mer M	Et Et



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	EN IEC 62368-1	the wife with my	
Clause	Requirement – Test	Result – Remark	Verdict
an .		er lite her whi	The The
unifek w	level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the $L_{Aeq,\tau}$ acoustic output of the listening device shall be ≤ 100 dB with an input signal of - 10 dBFS.	Milited Milited Milited	aintrest aintrest
10.6.6.3	Cordless listening devices		N/A
Whitek wh	In cordless mode, — with any playing and transmitting device playing the fixed programme simulation noise described in EN 50332-1; and — respecting the cordless transmission standards, where an air interface standard exists that specifies the equivalent acoustic level; and — with volume and sound settings in the receiving device (for example, built-in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output for the above mentioned programme simulation noise, the LAeq, acoustic output of the listening device shall be ≤ 100 dB with an input signal of -10 dBFS.	LET WHITE WH	WILLEY WILLEY TEX WILLEY WIL
10.6.6.4	Measurement method	WITE WILL WILL	N/A
NITER AIRL	Measurements shall be made in accordance with EN 50332-2 as applicable.		LIFET NITES
3	Modification to the whole document		Р



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Land College	An an an an	EN IEC 62368-1	Li and
Clause	Requirement – Test	Result – Remark	Verdict

	Delete all the list:	e "country" note	s in the refe	erence docume	nt according	to the following	.0
	0.2.1	Note 1 and 2	1	Note 4 and 5	3.3.8.1	Note 2	22,
	3.3.8.3	Note 1	4.1.15	Note	4.7.3	Note 1 and 2	y No.
	5.2.2.2	Note	5.4.2.3.2.2 Table 12	Note c	5.4.2.3.2.4	Note 1 and 3	5 E.Y
	5.4.2.3.2.4	Note 2	5.4.2.5	Note 2	5.4.5.1	Note	,
	Table 13						4
	5.4.10.2.1	Note	5.4.10.2.2	Note	5.4.10.2.3	Note	ar.
	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3 and 4	N.C.T.
	5.6.8	Note 2	5.7.6	Note	5.7.7.1	Note 1 and Note 2	
	8.5.4.2.3	Note	10.2.1 Table 39	Note 3 and 4 and 5	10.5.3	Note 2	
	10.6.1	Note 3	F.3.3.6	Note 3	Y.4.1	Note	
	Y.4.5	Note					
CIV.	71 2			AV AV	, O	No. 101. 12	S.
	Modification	to Clause 1					
1		wing note: se of certain subst ment is restricted v			MALTER MALT	EL WALLE WALL	
	Modification	to 4.71					



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EN IEC 62368-1					ere more more
	Clause	Requirement – Test	WILL MULL MAN AND	Result – Remark	Verdict

4.Z1	Add the following new subclause after 4.9:	Not directly connected to the	N/A
dunties und tites untites untites untites untites untites vantites untites vantites untites vantites untites	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): 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; 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; 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. 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.	mains Interest white the property of the prop	WALTER OF STEEL OF ST
6	Modification to 5.4.2.3.2.4		N/A
5.4.2.3.2.4	Add the following to the end of this subclause: The requirement for interconnection with external circuit is in addition given in EN 50491-3:2009.	No connection to external circuit.	N/A
7	Modification to 10.2.1		N/A
10.2.1	Add the following to c) and d) in table 39: For additional requirements, see 10.5.1.	No such radiation from the equipment.	N/A
8	Modification to 10.5.1		N/A



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" MU	EN IEC 6236	8-1 E MILL WALL WALL	
Clause	Requirement – Test	Result – Remark	Verdict
10.5.1	Add the following after the first paragraph:	TE WILL WILL ME	N/A

10.5.1	Add the following after the first paragraph:	N/A
	For RS 1 compliance is checked by measurement under the following conditions:	HITEK WALTER WALTER
	In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or pre-sets which are not locked in a 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.	THE WALTER WALTER WAS
	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.	LIER WALTER MITE.
	The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the apparatus.	NUTER WILLER
	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.	ALTEK WALTER WALTER
	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	JUNITER MATER AN
- The	13 May 1996.	TER ITE ALT
9	Modification to G.7.1	N/A
G.7.1	Add the following note: NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in Annex ZD.	LIEF WALLES ON N/A
10	Modification to Bibliography	Р



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The Maria	My My All	EN IEC 62368-1	TEX INTEX WHITE WA	rie Mris Angi
Clause	Requirement – Test	ALTE ME ME ME	Result – Remark	Verdict

ale.	and the test that the other and our	Call .
et.	Add the following notes for the standards indicated:	P
AUTER WALTER SER WALTER WALTER WALTER WALTER WALTER WALTER	IEC 60130-9 NOTE Harmonized as EN 60130-9. IEC 60269-2 NOTE Harmonized as HD 60269-2. IEC 60309-1 NOTE Harmonized as EN 60309-1. IEC 60364 NOTE some parts harmonized in HD 384/HD 60364 series. IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4. IEC 60664-5 NOTE Harmonized as EN 60664-5. IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified). IEC 61508-1 NOTE Harmonized as EN 61558-1. 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 61643-1. IEC 61643-311 NOTE Harmonized as EN 61643-311. IEC 61643-321 NOTE Harmonized as EN 61643-321. IEC 61643-331 NOTE Harmonized as EN 61643-331.	JUNE WHITE WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK
11	ADDITION OF ANNEXES	Р
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)	P
4.1.15 SINGLE SUNGER SUNGLES S	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"	SP N/A SP SP STEET SANTER SP STEET SAN
4.7.3	United Kingdom To the end of the subclause the following is added: The torque test is performed using a socket-outlet complying with BS 1363, and the plug part shall be assessed to the relevant clauses of BS 1363. Also see Annex G.4.2 of this annex	N/A



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1101010110011	10.1. 11.1.1 20B 1022221001	1 490 01 01 01			\sim
" all		EN IEC 62368-1			
Clause	Requirement – Test	is the man	Result – Remark	et s	Verdict

5.2.2.2	Denmark	No high touch current	N/A
	After the 2nd paragraph add the following:	measured.	White
	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.	street waters waters waters	WALTEK W
5.4.11.1	Finland and Sweden	No such external circuits.	N/A
and Annex G	To the end of the subclause the following is added:	es unite unite unit u	ne was
	For separation of the telecommunication network from earth the following is applicable:	multer mult mult mi	t TEX
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	united white white white	JUNE .
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	the main main was .	511 EX
	one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	MITEL WILL MILLER WILL	EK MUTIEK
	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	MULTER MILIER	Whitek o
	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	Whitek whitek whitek an	ing murit
	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),	UNLIEK WHITEK WHITEK WHITEK	White w
	and white white white white white	at the the there	NI EK NIVÎ
	is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5 kV.	WILL MULES WILLES WAS	IEY WALTER
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	WILLER MUTTER MUTTER MUTTER	- JALTEK V
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	THE WALTER WALTER	un'il un' LIFX unlif
	the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3	TELL STEEL STEEL SWITE	EX WILLEX



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20,	EN IEC 62368-1	in the the and	10, 4,
Clause	Requirement – Test	Result – Remark	Verdict
July .	THE THE STATE OF	att mil whi	The Me
	testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;	Tex lifet with	NITER WALTER
	 the additional testing shall be performed on all the test specimens as described in EN 60384- 14; 	unit whitek whitek whi	TEH WALTER W
EK WALTER	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.	EX WHITEK WHITEK WHITE	whi the whi
5.5.2.1	Norway	t let litt liter	N/A
	After the 3rd paragraph the following is added:	Mur Mur Mr.	Di TEX
iver in	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	MITER WHITE WHITE WA	ex lex
5.5.6	Finland, Norway and Sweden	No such resistors.	N/A
	To the end of the subclause the following is added:	A street intrest singlish	WALTEX WALTE
	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.	WILLER MULTER MULTER	MITER MILIER
5.6.1	Denmark	No such equipment.	N/A
	Add to the end of the subclause Due to many existing installations where the socket-outlets can be protected with fuses with higher rating than the rating of the socket-outlets the protection for pluggable equipment type A shall be an integral part of the equipment. Justification:	White white white	white write
	In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	UNLIER WALTER WALTE W	MUT.
5.6.4.2.1	Ireland and United Kingdom	at at at a	N/A
	After the indent for pluggable equipment type A , the following is added: – the protective current rating is taken to be 13 A, this being the largest rating of fuse used in the	the mile mile mile	while while
	mains plug.	111, 11, 2,	1 1
5.6.4.2.1	France	TEX TEX STEE	N/A
	After the indent for pluggable equipment type A , the following is added: – in certain cases, the protective current rating of the circuit supplied from the mains is taken as	WITER MUTER MUTER ON	LIEK WILLER
	20 A instead of 16 A.	1 1 1 1 1	it the
5.6.5.1	To the second paragraph the following is added:	te with win win	N/A
	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.	MUNITER MUTER MUTER	WALTE & WALTE



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Ville Marile	Mir. Mar. Alle M.	EN IEC 62368-1	in all con
Clause	Requirement – Test	Result – Remark	Verdict

5.6.8	Norway	20, 2	N/A
	To the end of the subclause the following is added:	MALTER WALTER WALTER OW	MULTER
	Equipment connected with an earthed mains plug is classified as class I equipment . See the Norway marking requirement in 4.1.15. The symbol IEC 60417-6092, as specified in F.3.6.2, is accepted.	LIER WHITER WHITER WHITE	ANY EX SUN
5.7.6	Denmark / // // // // // // // // // // // //	211. 211. 21.	N/A
MALTER W	To the end of the subclause the following is added: 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.	JUNITER WHITER WHITER WAS	NLTE WALTER
5.7.6.2	Denmark	THE CLIEF WILL WALL	N/A
	To the end of the subclause the following is added:	111 11	
	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.	* WHITE WHITE WHITE.	MULL AND
5.7.7.1	Norway and Sweden	Not such system.	N/A
	To the end of the subclause the following is added: 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.	THE WALTER WALTER	MA TEK
	Therefore the protective earthing of the building installation needs to be isolated from the screen of a cable distribution system.	united whites whites	NIE WAI
	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.	until white white white	t witter w
	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:	MUNITER WHITER WHITER.	unitek uni
	"Apparatus connected to the protective earthing of the building installation through the mains	white must walk of	Et LIEX
	connection or through other apparatus with a connection to protective earthing – and to a television distribution system using	INTE MILL WALL MILL	- 18th .
	coaxial cable, may in some circumstances create a fire hazard. Connection to a television distribution system therefore has to be provided	THE MILE WALLES WHITE	2012 VI
	through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11)"	White white white	int aiter
	NOTE In Norway, due to regulation for CATV-installations, and	Will mir my	211



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20,	EN IEC 62368-1	the were any	n 0.
Clause	Requirement – Test	Result – Remark	Verdict
all a	M. M. C. LET J.	LITE OUT ONLY	10
MUTIER AN	in Sweden, a galvanic isolator shall provide electrical insulation below 5 MHz. The insulation shall withstand a dielectric strength of 1,5 kV r.m.s., 50 Hz or 60 Hz, for 1 min.	NUTER WITER WATER WHITE	WINLTER .
	Translation to Norwegian (the Swedish text will also be accepted in Norway):	sites in the whites whites	WATER ON
	"Apparater som er koplet til beskyttelsesjord via nettplugg og/eller via annet jordtilkoplet utstyr – og er tilkoplet et koaksialbasert kabel-TV nett, kan forårsake brannfare. For å unngå dette skal det ved tilkopling av apparater til kabel-TV nett installeres en galvanisk isolator mellom apparatet og kabel-TV nettet."	EX WHITEX WHITEX WHITEX WHI	E WAITER
ner ware rek waire k wairek	Translation to Swedish: "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."	INTER WALTER WALTER WALTER	n itek uni Etek unite
8.5.4.2.3	United Kingdom	No external circuits.	N/A
	Add the following after the 2 nd dash bullet in 3 rd paragraph: An emergency stop system complying with the requirements of IEC 60204-1 and ISO 13850 is required where there is a risk of personal injury.	THE MILITER WHITER	NALTEK W
B.3.1 and	Ireland and United Kingdom	Not directly connected to the	N/A
B.4 Neit on the state of the st	The following is applicable: To protect against excessive currents and short-circuits in the primary circuit of direct plug-in equipment , tests according to Annexes B.3.1 and B.4 shall be conducted using an external miniature circuit breaker complying with EN 60898-1, Type B, rated 32A. If the equipment does not pass these tests, suitable protective devices shall be included as an integral part of the direct plug-in equipment , until the requirements of Annexes B.3.1 and B.4 are met	mains	t which
G.4.2	Denmark	Not directly connected to the	N/A
	To the end of the subclause the following is added: Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011.	mains NITE WALTER WALTER WALTER WALTER WALTER WALTER WALTER	WILL MAN
whitek w	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	TEX STEX WITE WITE WHITE	ynt.



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	EN IEC 62368-1	40. 40.	
Clause	Requirement – Test	Result – Remark	Verdict
alle	The street of	The CLIFF WALL WALL WAL	100
	rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	THE LITTER STITER WITH	MALTER
	If a single-phase equipment having a RATED CURRENT exceeding 13 A or if a polyphase 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.	THE WILLER WHITER WHITER	WALTEX W
	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.	Whitek whitek whitek whitek	E WALTER
	Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c.	TEX MUTEX MUTEX MUTEX	un litek ou
	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	Whitek whitek whitek whi	et e vinet
	Justification: Heavy Current Regulations, Section 6c	ALTER MATER	NALTEK
G.4.2	United Kingdom	Not directly connected to the	N/A
TER WALTE	To the end of the subclause the following is added:	mains	N. TER WA
	The plug part of direct plug-in equipment shall be assessed to BS 1363: Part 1, 12.1, 12.2, 12.3, 12.9, 12.11, 12.12, 12.13, 12.16, and 12.17,	Whitek whitek whitek whi	t whi
muric m	except that the test of 12.17 is performed at not less than 125 °C. Where the metal earth pin is replaced by an Insulated Shutter Opening Device (ISOD), the requirements of clauses 22.2 and 23 also apply.	uniter uniter uniter uniter.	MULITER OF
G.7.1	United Kingdom	e of at	N/A
	To the first paragraph the following is added:	Multiply Military Multiply And	
	Equipment which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to BS 1363 by means of that flexible cable or cord shall be fitted with a 'standard plug' in accordance with the Plugs and Sockets etc. (Safety) Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted by those regulations.	Whitek whitek whitek whitek	white white wh
WALTER	NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	Whitek multer multer out	TIEN WALT



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Lange Committee	Mrs. Mrs. Mrs. Mrs. Mrs.	EN IEC 62368-1	TEX WILLEY WALLEY	reit un	- July
Clause	Requirement – Test	Aller Aller Aller	Result – Remark	at a	Verdict

G.7.1	Ireland	70, 70	N/A
	To the first paragraph the following is added:	SLIEF WILLER WHILE	
	Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in accordance	all tet lifet street o	
	with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use	sit must must all a	
MUL	Regulations: 1997. S.I. 525 provides for the recognition of a standard of another Member State which is equivalent to the relevant Irish Standard	EX WHITE WHITE WHITE WH	UN. - TEX
G.7.2	Ireland and United Kingdom	SLIER WITE WALL WALL	N/A
	To the first paragraph the following is added:	at set tet tet	
	A power supply cord with a conductor of 1,25 mm ² is allowed for equipment which is rated over 10 A and up to and including 13 A.	intil unit with with	
ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)	is me me m	N/A
10.5.2	Germany	No CRT within the equipment.	N/A
	The following requirement applies:	mer me me	
	For the operation of any cathode ray tube intended	alies offer white white	
	for the display of visual images operating at an acceleration voltage exceeding 40 kV,	41. 41.	
	authorization is required, or application of type approval (Bauartzulassung) and marking.	THE WALTER WALTER W	
	Justification:	the size attachments and	
	German ministerial decree against ionizing	The The The	
	radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive	- LEK TEK TEK TITE	
	96/29/EURATOM.	Murra Mar Mar Miles	
	NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-38116 Braunschweig, Tel.: Int+49-531-592-6320, Internet: http://www.ptb.de	MILIER WALTER WALTER WALTER	



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L. AL	M. M. A.	EN IEC 62368-1	me, me
Clause	Requirement – Test	Result – Remark	Verdict

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



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U. 71	1111 1211 1211	EN IEC 62368-1	ne m
Clause	Requirement – Test	Result – Remark	Verdict

5.2	TABLE: Classificati	on of electrical er	nergy source	es		£ 14	P
Supply	Location (e.g.	Test conditions		Parame	ters	·	ES Class
Voltage	designation)	U (V)	I (mA)	Type ¹⁾	Additional Info ²⁾	Class	
5V DC	THE STEE IN	Normal	<60VDC	n -30.	SS	DC	ES1
	Input circuit	Abnormal	Jak S	TER TITE	Miller W	Vr. Alle	Mer
	NI EX WALTER WALTER	Single fault – SC/OC	10 To	y Jet s	17 EM	EX -IEX	MALTER
A.	CEL TEX TEX	Normal	<60VDC	40, - 40,	SS	DC	ES1
4.2V DC	Battery circuit	Abnormal	CENT CENT	LIFE REF	17 LIV	MARTIN OF	الدرين
	Patrice water wa	Single fault – SC/OC	71/2 11/2	764 764 70 - 70	LIER	nite l	EX WILL

Supplementary information:

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

 Normal –Full load and no load.

 Abnormal Overload output

SC= short circuit; OC= open circuit

5.4.1.8	5.4.1.8 TABLE: Working voltage measurement					N/A
Location		RMS voltage (V)	Peak voltage (V)	Frequency (Hz)	Comments	
- unlik	ane and an		at 72t a	EK JEK.	LIER INLIER STRUTE AND	
- ,-	All All All	· NITER WIT	mr. mr	111 11	- t	et.
Suppleme	ntary information:					
* .	et the the	ALTER MALTE	Mrs. Mrs.	211. 211.	a st st	- 4

5.4.1.10.2	TABLE: Vicat softening temperature of thermoplastics						
Method			:	ISO 306 / B50	Willey Wil	_	
Object/ Part No./Material Manufacturer/trademark				Thickness (mm) T softe		ening (°C)	
-112 M	Vr. Mr. M.	THE LET .	CEN	- LIFE NLIFE NO	LIE WALL	wr.	
Supplemen	tary information:						
inci un	The In	The state of the	L.	LIFE OLIFE WALT	W.C.	in in	

5.4.1.10.3 TABLE: Ball pressure test of thermoplastics						N/A	
Allowed impression diameter (mm): ≤ 2 mm							_
Object/Part No./Material Manuf		Manufacturer/trademark	Thickness	(mm)	Test temperature (°C)	Imp diame	ression eter (mm)



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EN IEC 62368-1								
Clause	Requirement – Test	Result – Remark	Verdict					
ales	All the second	the tier with with which will	r 44.					
- et	TEX TEX TEX WITE MINTE WAY	'n' 'n' 'n' '- 't	et - 18th					
Suppleme	ntary information:							
+	ter ter life with mill only	24 24 T	. Jet					

5.4.2, 5.4.3 TABLE: Minimum Clearances/Creepage distance							N/A	
Clearance (cl) and creepage distance (cr) at/of/between:	U _p (V)	U _{rms} (V)	Freq ¹⁾ (kHz)	Required cl (mm)	cl (mm)	E.S. ²⁾ (V)	Required cr (mm)	cr (mm)
- orth nutr mur mur	17/2	20	1	-z+	All L	56t	EK INCTE	. 11 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Supplementary information:

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

5.4.4.2	TABLE: Minimum distance through insulation					
Distance th (DTI) at/of	rough insulation	Peak voltage (V)	Insulation*	Required DTI (mm)	Measured DTI (mm)	
	TEX TEX ST	MILE WILL WAL	111 - 211		1t - 1t	
Supplemen	tary information:					
*See also s	ub-clause 5.4.4.9	The True		J 15	et set s	

5.4.4.9 TABLE: Solid insulation at frequencies >30 kHz						
Insulation material	E P	Frequency (kHz)	K _R	Thickness d (mm)	Insulation	V _{PW} (Vpk)
- WILL MULL MULL M	- Mr.	- 4	# 11	-TEK TE	- NITER OF	ZE MILTE
Supplementary information:						
will will the sur	24	, , , , , , , , ,		CENT SEPT	JEE RE	TIPLY T

5.4.9 TABLE:	Electric strength tests	at it it	TEX STEX SITE	N/A
Test voltage applied	between:	Voltage shape (Surge, Impulse, AC, DC, etc.)	Test voltage (V)	Breakdown Yes / No
Functional:	TER STEE WITE WILL	211- 211 211	t t	LEF LEF
-aug aug au	The table	- JEK STER MIT	- while while of	Vr. 770 1,
Basic/supplementary	MITE MILTE WAL	20, 20, 20,	1 12 1 1	CEP SEP S
Tr. 24. 24	A A A	TIEK NITER INTER	anii ani an	2115 211
Reinforced:	WILL MILL MAR A		at at all	t IEX SIE
70 70	at at the	Et alier will w	Try Mrs. Mrs.	1/1, - 1/1,
Routine Tests:	WILL MULL ME AND		et let let	LITER OLITER
- 11, 11,	at at at out	- white white whi	- m m	z ₁ , z ₂ ,
Supplementary inforr	nation:			



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S. Mr.	The same of the sa	EN IEC 62368-1	Mrs. Mrs.
Clause	Requirement – Test	Result – Remark	Verdict

5.5.2.2	TABLE:	: Stored discharge on capacitors						
Location		Supply voltage (V)	Operating and fault condition 1)	Switch position	Measured voltage (Vpk)	ES Class		
700 -	20, 1		Normal	TER METER W	hri M hr.	in -in		
- WALTER -	Willer M	TET WALLE WALL	Single fault: SC/ OC	y tiet si	iet Tet	LIEK WALIEK		

Supplementary information:

X-capacitors installed for testing are:

[] bleeding resistor rating:
[] ICX: 1) Normal operating condition (e.g., normal operation, or open fuse), SC= short circuit, OC= open circuit

5.6.6 TA	BLE: Resistance of	protective condu	ctors and terminati	ons	N/A
Location		Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)
77	- L - L	the time the second	1612 - 945 A	L 1/1 20	,
Supplementary i	nformation:				
, , , ,	V / / / (§)	IF WILL	70.	411 22	al.

5.7.4	TABLE: Unearthed	E: Unearthed accessible parts					
Location	Operating a		F	Parameters			
	fault condition	ons Voltage (V)	Voltage (V _{rms} or V _{pk})	Current (A _{rms} or A _{pk})	Freq. (Hz)		
Mer. M.	Normal	\$ J# X	t the the	MLTE NALTE	Mr. C.	mr 4	
	Abnorma overload	200	OF TEX	iter aiter	NLTER S	LIEK-	
	Single fau SC/ OC		mer -un	in The	TEK N	EK -	

Supplementary information:

SC= short circuit; OC= open circuit

5.7.5	TABLE: Earthed acces	sible conductive part					
Supply volta	age (V)	- BY JEH JEH	ULL WALL OF	_			
Phase(s)		[] Single Phase; [] Three	[] Wye				
Power Distr	ibution System	[] TN [] TT [] IT	Elt STEE IN	it while whe			
Location		Fault Condition No in IEC 60990 clause 6.2.2	Touch current (mA)	Comme	nt		
- 20, 0	a sk sk s	ex alter mit unit	mr mr	24. 24.	4.		
Supplemen	tary Information:						
21, 20,		· If all all and a	UNLL WILL	me me	10 - 20		



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in mi	The The Table	N IEC 62368-1	mer me
Clause	Requirement – Test	Result – Remark	Verdict

TABLE: Backfeed safeguard in battery backed up supplies								
Location		Supply voltage (V)	Operating and fault condition	Time (s)	Open-circuit voltage (V)	Touch current (A)	ES Class	
- 1n	4	.∓	et let tet	write writ	in the	7 TIV.	4, -4,	
Supplemen	tary infor	mation:						

6.2.2	.2 TABLE: Power source circuit classifications							
Location		Operating and fault condition	Voltage (V)	Current (A)	Max. Power ¹⁾ (W)	Time (S)	PS class	
5V Inpu	ıt circuit	Pin + to -	5	0.6	3	3S	PS1	
5V Inpu	ıt circuit	Pin + to – (IC1 SC)	WILLEX ONLIER	anti O unit	~ 0 · m	38	PS1	
Batt	tery	Output pin + to -	0.521	3.344	1.742	3S	PS1	
Batt	tery	Output pin + to – (IC1 SC)	0	0	0	3S	PS1	

Supplementary information:

Abbreviation: SC= short circuit; OC= open circuit

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

6.2.3.1	TABLE: Determ	ination of Arcing PIS	All The	The only and	N/A
Location		Open circuit voltage after 3 s (Vpk)	Measured r.m.s current (A)	Calculated value	Arcing PIS? Yes / No
-211 2	a state	- TEX - STEEL O	LIE WALL MALL	mr - mr	$a_0 = a_0$
Supplement	ary information:				
20, 20.	4 1	et jet sij	Will Will	Mr. Mr. M.	20

6.2.3.2	ΓABLE: Determi	NITE WALL WALL WALL	N/A	
Location		Operating and fault condition	Dissipate power (W)	Arcing PIS? Yes / No
All primary circuits/comp	onents	ex marier and and and	an an	Yes (declaration)

Supplementary information:

All circuits are considered as resistive PIS;

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, or (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.



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Land College	An an an an	EN IEC 62368-1	Li and
Clause	Requirement – Test	Result – Remark	Verdict

osion method Longest axis of Particle found glass particle beyond 1 m Ye
(mm) / No
munity and many and and any
\$

9.6	TABL	E: Temper	E: Temperature measurements for wireless power transmitters							
Supply v	oltage (V)					L St	At .	18th . 5	_	
Max. trai	nsmit pow	er of transn	nitter (W)		TENNLIE	Will.	ner in	40	_	
			eiver and contact		eiver and contact		iver and at of 2 mm		ceiver and at ce of 5 mm	
Foreigr	objects	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	
it.	- JEX	17 EM 1817	er mile	un C	1/2 - 1/2	'			EX TEX	
Supplem	entary info	ormation:								

5.4.1.4, 9.3, B.1.5, B.2.6	erature m	easureme	ents	OLIFE	unite whi	TH WALTER	WA TEK P TE
Supply voltage (V)		:	1)	2)		. Let	_
Ambient temperature during	25.0	25.0	LITE WILL	7/2 - 7/1			
Maximum measured temper		7	(°C)		Allowed T _{max} (°C)		
Input port	32.6	45.5		J+ J	Ref.		
PCB near U1	31.8	47.9	10-15 -UN	720	130		
PCB near U2	34.9	55.2	- L	y 764	130		
Battery wire	28.6	32.9	Will Mari	7115 7	80		
Battery body	TIL AVE	20	28.9	36.0	at Tet	76 1	45
Sound	et di	- CITE	26.9	26.7	Mus-	10, - 10,	Ref.
Enclosure inside near Batte	ry 🎳	10,	28.8	36.1	y 75 <u>1</u>	JE# JT	Ref.
Enclosure outside near Batt	ery	OLIE	26.9	28.1	71/2 7/	70	77
Button	27.7	28.2	36th 3	THE THE	10 77 M		
Ambient	JEK J	NITE NO	25.0	25.0	24, -74,	2,-	A - 14
Temperature T of winding:	t ₁ (°C)	$R_1\left(\Omega\right)$	t ₂ (°C)	R ₂ (Ω)	T (°C)	Allowed T _{max} (°C)	Insulation class
- ITER SLIFE WITE W	- 11/2.	- in	-	<u></u>	* - 4	16th 1	Er TE



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Victor Musical	Mrs. Mrs. All Mrs.	EN IEC 62368-1	TEX MITEX WHITE W	71.	711
Clause	Requirement – Test	Mr. M. M.	Result – Remark	et d	Verdict

Supplementary information:

- * Temperature limit for TS1 of accessible enclosure according to Table 38 to be measured at normal ambient temperature.
- Note 1: The apparatus was submitted and evaluated for maximum manufacturer's recommended ambient (Tma) of 25°C.

Note 2: The temperatures were measured under the worse case normal mode defined in clause B.2.1.

- 1. Test 1) charger mode; test 2) discharger mode
- 2. Battery charging temperature upper limit is 45°C
- 3. 1)= Battery charging mode, 2)= Discharging mode with fully charged battery

B.2.5	T	ABLE: Inp	out test					A At At SP
U (V)	Hz	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status
5VDC	_	0.141	er Ter	0.705	3	UNIXEN.	MITER V	Powered by 5VDC with empty battery (at battery charging mode)
4.2VDC	-uri	0.521	nu.	2.188	, C	5167 <u>.</u>	liek-	Discharging mode with fully charged battery

The maximum measured current under rated voltage did not exceed 110% of the rated current.

B.3, B.4	TABLE: Abnor	mal operatin	g and fau	It condit	ion tes	sts		D D
Ambient tem	perature T _{amb} (°	°C)			:	See b	elow	_
Power sourc	e for EUT: Man	ufacturer, mo	del/type, d	outputrati	ng :	-0/10	The Marie	_
Component No.	Condition	Supply voltage (V)	Test time	Fuse no.		use ent (A)	Observation	n
Speaker	SC	4.2	30min	TEX JUNE	EK VII	LIEK N	Speaker no voice, no hazard. Enclosure Outside ne 29.3°C Ambient: 25.0°C	21/2
Speaker	Max. non- clipped output heating	4.2	30min	MUZEK.	MITEN	- Whit	Normal operation of prototype Enclosure Outside: 31.1°C Ambient: 25.0°C	
Powered by	5VDC with emp	oty battery (at	battery ch	narging m	ode)	N. C.	Mr. Mr. M.	
B+ to P-	on SC on	5VDC	7h	iek uii	, I	t Elt II	Unit shut down, no da hazard.	amaged, No
R9	SC	5VDC	10mins	- - TEX	ال	<u>+</u>	Unit shut down, no damaged, N	
IC1	sc	5VDC	10mins	M.	N)	- JE	Unit shut down, no damaged, No hazard.	
Powered by	Li-ion Battery (I	Discharging m	node with	fully char	ged ba	ttery)	70 71	t et
B+ to B-	SC	4.2VDC	10min	et .	et.	- Cart	Unit shut down, no da	amaged, No



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EN IEC 62368-1							
Clause	Requirement – Test	Mr. M. M.	Result – Remark	er k	Verdict		

A 10	t dit .	THE LITER	CLIE	14 21	20	hazard.
B- to P+	SC	4.2VDC	7h	15EF 101	EK MAJEK	Unit shut down, no damaged, No hazard.

Supplementary information:

¹⁾ Supply by external DC source, ²⁾ Measured battery cell voltage and current.

Test table is provided to record abnormal and fault conditions for all applicable energy sources including Thermal burn injury. Column "Abnormal/Fault." Specify if test condition by indicating "Abnormal" then the condition for a C.0lause B.3 test or "Single Fault" then the condition for Clause B.4.

- 1) s-c: Short-circuited; o-l: Overloaded; BL=Blocked.
- 2) The test result shown all safeguards remained effective and didn't lead to a single fault condition during abnormal operating condition; In addition all safeguards complied with applicable requirements in this standard after restoration of normal operating conditions.
- 3) The test result showed no Class 1 or 2 energy source become Class 3 level during and after single fault condition.
- 4) Limit temperature: Plastic material: 87°C

M.3	TABLE: Pr	otection circu	tection circuits for batteries provided within the equipment						
Is it possible	s it possible to install the battery in a reverse polarity position?						ble B.2.5	_	
				Char	ging				
Equipment Specification			Voltage (V)				Current (A)		
		See table B.2.5			.*	25	See table B.2.	5	
		Battery specification							
		Non-rechargeable batteries			Rechargeable batteries				
		Discharging	Unintentional				Discharging	Reverse	
Manufact	turer/type	current (A) charging current (A)	Voltage (V)	Currer	nt (A)	current (A)	charging current (A)		
XinWei Power Supply (dongguan) Co., LTD / 602040		Wiley Mulie	und un	See table B.2.5	See to B.2		See table B.2.5	y with	
Note: The te	sts of M.3.2 a	re applicable o	only when abov	e appropriate	data is r	not ava	ailable.		
Specified ba	ttery tempera	ature (°C)			JANE .	in	45	<i>a</i>	
Component	Fault	Charge/	Test	Temp. Co	urrent \	Voltage	e Obse	ervation	

Supplementary information:

condition

IC1 SC

discharge mode

Charge

No.

Battery

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

time

7h

(°C)

(A)

0

(V)

0

Unit shutdown

immediately.
Recoverable. No
damaged, no hazard.



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EN IEC 62368-1							
Clause	Requirement – Test	Mr. M. M.	Result – Remark	er k	Verdict		

M.4.2	TABLE: battery	E: Charging safeguards for equipment containing a secondary lithium						
Maximum specified charging voltage (V): 4.2								
Maximum s	pecified o	charging curre	nt (A)		:	0.4	CLIEB MLTER	_
Highest spe	cified ch	arging tempera	ature (°C)	1	U.	45	1 1	
Lowest spe	cified cha	arging tempera	ture (°C)			0 150	WILL MULTE AND	
Battery	,,	Operating		Measuremen	ıt		Observatio	n
manufacturer/type		and fault condition	Charging voltage (V)	Charging current (A)		Temp. (°C)		
Lowest spec	cified cha	rging temperat	ure: 0°C	Let Let		TEK SIF	INLIE WALTER	الل الماران
XinWei Power Supply (dongguan) Co., LTD / 602040		Normal	4.2	0.123	tei	Battery The battery charging decreases 0°C		g current
		Abnormal-	Muri Mur	70, 7		_/ \	-et let de	
		Single fault	NITEK NALTEK	untille un	500	Mr. M	T WE WE	ZEK.
Highest spe	cified cha	arging tempera	ture: 45°C	JEK JE	٠	WITEE WIL	THE WALL WALL	Mr.
XinWei Power Supply (dongguan) Co., LTD / 602040		Normal	4.20	TIEN STIEN	tei	Battery mperature: 45°C	The battery charging circustop charging	
		Abnormal-	S II				THE STEEL WIT	E NAIT
		Single fault	MILIEK WILL	"In The "A		T	The Tele Tele	- SLIEN

Supplementary information:

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

Q.1	TABLE: Circuits intended for interconnection with building wiring (LPS) N/A						
Output	Condition	11 (\(\(\) \(\)	U _{oc} (V) Time (s)	I _{sc} (A)		S (VA)	
Output Circuit	Condition	U ₀₀ (V)		Meas.	Limit	Meas.	Limit
SIPLIE M	y me me	11.	, t	at all	- LIFE	NITER MIT	NATE V
	the tell tell to	TEX MITE	Mrry M	r, w	2/1, 2,		1

Supplementary Information:

SC = short circuit, OC = open circuit

^{*} Unit shutdown immediately, recoverable, no hazard.



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- Mr.	41, 40,		EN IEC 6	2368-1	WITE WALL	Mrs. Mrs. 2
Clause	Requiremen	t – Test	anes an	Re	esult – Remark	Verdi
21/2 1	1. 2.	4 2		- July	WITE ONLY	ane, inc. an
T.2, T.3, T.4, T.5	TABLE: Ste	eady force test	Try Mr.	M	THE THE	STEP NITE N/
Location / Part	Material	Thickness (mm)	be Force (N)	Test Duration (s)		Observation
et let	JEE N	INLIE ONLY	Mr. M	14	- L 14	. Let Let
Supplement	ary informatio	n:				
(EX	CIEN STER	White White	Wer and	40.	a st	at at s
They the	70	4	Jan Little		ALTER MITE	ing my my
T.6, T.9	TABLE: Imp	act test	re aller	40. 1		N/A
Location/Pa	rt Material	Thickness (mm)	Height (mm)		Obser	vation
ITE WALTE	They are	2/12 - 2/1		et le	the still still	INLIER WALTER
Supplement	ary informatio	n:	·			
1975	Wr. Mur	211. 21.	T A	t let	CIER SCIEN	WILL MILL WA
4	et et	At Set	Wife WALL	Mr.	10, 10,	4
T.7	TABLE: Dro	p test	<u> </u>	- C+	TEX TEX	N/A
Location/Pa	rt Material	Thickness (mm)) Height (mm)		Obser	vation
Supplement	ary informatio	n:	alter			
	-	. et et	Liter all	W. W.	Mr. Mr.	711. 72. 1
Jet	alifett indiffer	Write Write	20, 20		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TEN SET S
Т.8	TABLE: Stre	ess relief test				our au N/
Location/Par	t Material	Thickness (mm	Oven Temperature (°C)	Duratior (h)	1 (Observation
Life White	Appr Ap	24. 2.	et-	16th 55	EN STER OUT	er white white
Supplement	ary informatio	n:				
NALL .	are are	20 20	A A	* 16*	TER LIFE	WILL OUT M
4	at at	THE JET	unit while	Thr.	20, 20,	
X	TABLE: Alte	ernative method f	or determini	ng minimu	um clearances d	distances N/A
(1)	Clearance distanced F between:		king voltage		uired cl	Measured cl
		(\	/)	(1	mm)	(mm)
			A 10	ا) المالة	mm)	(mm)



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EN IEC 62368-1							
Clause	Requirement – Test	Mur, M. m.	Result – Remark	Verdict			

4.1.2	TABLE: Critical components information								
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity				
Enclosure	CHI MEI CORPORATION	PA-765A(+)	Min.V-1, 80°C, min.thickness: 1.5mm	UL 94	UL E56070				
PCB	Shenzhen Ying-seok Circuit Co Ltd	YS-02	V-0, 130°C	UL 94, UL 796	UL E475434				
Alternative	Interchangeable	Interchangeabl e	V-0, 130°C	UL 94, UL 796	UL WELLE				
Battery	XinWei Power Supply (dongguan) Co., LTD	602040	3.7V, 400mAh	IEC 62133-2: 2017	Report no.: TCTTJ20220 202965ZB- BR01				
Speaker	Interchangeable	Interchangeabl e	4Ω, 3W	EN IEC 62368- 1	Test with appliance				

Supplementary information:

1) License available upon request. Provided evidence ensures the agreed level of compliance. See OD-CB2039.





Reference No.: WTF23D10222750Y



Photo 1



Photo 2

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Photo 3



Photo 4

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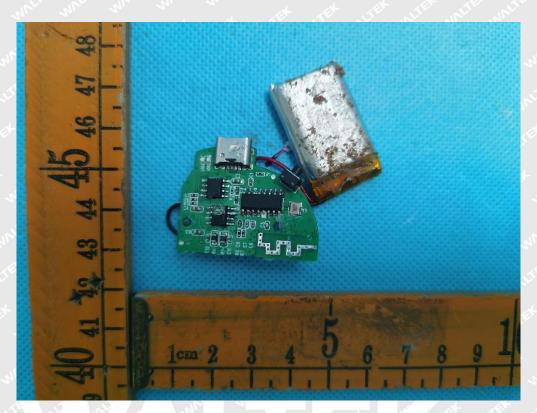
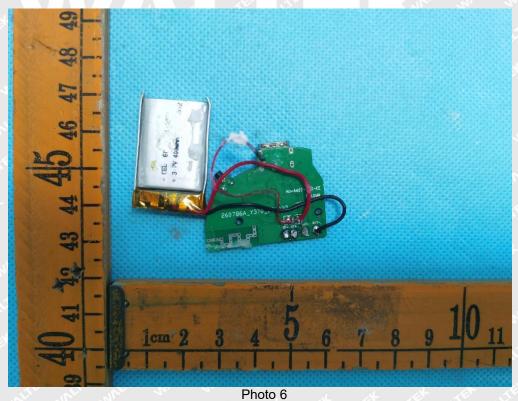


Photo 5



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Photo Documentation

Reference No.: WTF23D10222750Y





Photo 7

===== End of Report =====