



TEST REPORT

Reference No	10	WTF23D06127326Y
		***** 20200 127020 1

Applicant : Mid Ocean Brands B.V.

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

Hong Kong

Manufacturer..... : 114768

Address : /---

Product: ABS TWS Earbuds

Model(s)..... : MO2079

Total pages.....: 67 pages and 5 pages of photo.

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

Audio/video, information and communication technology equipment-

Part 1:Safety requirements

Date of Receipt sample : 2023-06-14

Date of Test 2023-06-14 to 2023-06-29

Date of Issue : 2023-06-29

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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Soap Hu / Project Engineer

Soupelle

Almon Zhao / Designated Reviewer



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Test item description	ABS TWS Ea	arbuds " " " " " " " " " " " " " " " " " " "
Trademark:	МОВ	
Model and/or type reference:	MO2079	
Rating(s):		200mA Max. ry: 3.7V, 30mAh c battery: 3.7V, 185mAh
Remark:	et let	NITE MITTER WILL WALL WALL WALL WALL
Whether parts of tests for the product h	nave been sub	contracted to other labs:
☐ Yes		
If Yes, list the related test items and lab	o information:	
Test items:		
Lab information:	TEN UNI	The sale of the sa
Summary of testing:	211	t at let let liter liter with white and
Tests performed (name of test and to	est clause):	Testing location:
- EN IEC 62368-1: 2020+A11: 2020		No. 77, Houjie Section, Guantai Road,
The submitted samples were found to the requirements of above specification		Houjie Town, Dongguan City, Guangdong, China
Summary of compliance with Nation	al Differences	(List of countries addressed):
at left telt the state of the		in the the same
EU Group Differences		
The state of		
□ The product fulfils the requirements	of EN IEC 623	368-1:2020+A11:2020.
	TE WITE	The same of the sa
Use of uncertainty of measurement	for decisions	on conformity (decision rule) :
applicable limit according to the spec	cification in tha	rd, when comparing the measurement result with the at standard. The decisions on conformity are made upper acceptance" decision rule, previously known as
Other: (to be specified, for examp requirements apply)	le when requir	red by the standard or client, or if national accreditation
	calculated by	the laboratory based on application of criteria given by ethods, decision sheets and operational procedures of
IEC Guide 115 provides guidance on the decision rule when reporting tes	st results with	n of measurement uncertainty principles and applying in IECEE scheme, noting that the reporting of the necessary unless required by the test standard or
Calculations leading to the reported value the testing.	alues are on fil	le with the NCB and testing laboratory that conducted





Copy of marking plate:

Frequency range: 2402-2480Mhz PO4100112379

Maximum RF power: 5mW (EIRP) Made in China



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:	Will all all all all all all all all all
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):	☑ 0.037kg



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POSSIBLE TEST CASE VERDICTS:	while any and any and any
- 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 Table
Date of receipt of test item	.: 2023-01-04
Date (s) of performance of tests	.: 2023-01-04 to 2023-02-03
GENERAL REMARKS:	THE RETER OF THE WALL WALL WALL WALL
"(see appended table)" refers to a table appended to Throughout this report a ☐ comma / ☒ point is GENERAL PRODUCT INFORMATION:	
Product Description 1. The equipment with model MO2079 is ABS TWS 2. It is powered by Micro USB port conformed to LPS 3. The maximum operating temperature is 25°C.	
Model Differences	THE REFER WITTER WALL WALL WALL WALL WALL WALL
N/A	
Additional application considerations – (Considerations – (Conside	erations 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	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 s	substances		
Class and Energy Source	Body Part		Safeguards	
(e.g. Ozone)	(e.g., Skilled)	В	S	R
N/A of the state series	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., 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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<u> </u>		30.190 0 001	A- 65	
IEC 62368-1				
Clause	Requirement – Test	Resul	t – Remark	Verdict

4	GENERAL REQUIREMENTS		P
4.1.1	Acceptance of materials, components and subassemblies	(See appended table 4.1.2)	JIP P
4.1.2 Military	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	TEK WA
4.1.3	Equipment design and construction	Equipment is adequately designed and constructed.	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 24 24	N/A
4.4.3.2	Steady force tests	THE THE LITTLE STATE	N/A
4.4.3.3	Drop tests	in my my and	N/A
4.4.3.4	Impact tests	SEX STEX STEX SUITER SINCE	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 wit	Glass impact test (1J)	LIER OLIER WALTE WALL	N/A
et et	Push/pull test (10 N)	of the second	N/A
4.4.3.8	Thermoplastic material tests	sier mite mit with whi	N/A
4.4.3.9	Air comprising a safeguard	a state	N/A
4.4.3.10	Accessibility, glass, safeguard effectiveness	E WILL MILL MAL MAL	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	ALTER MALTE MALTE WALL OF	PΝ
4.5.1	General Company of the Company of th	No explosion occurs during normal/abnormal operation and single fault conditions	EK P
4.5.2	No explosion during normal/abnormal operating condition	(See Clause B.2, B.3)	NI P



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IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
WILLER OF	No harm by explosion during single fault conditions	(See Clause B.4)	P
4.6	Fixing of conductors	See below	N/A
Liter Mil	Fix conductors not to defeat a safeguard	THE LIER NITER WITE	N/A
A 13	Compliance is checked by test	Ver Alle Alle Alle	N/A
4.7	Equipment for direct insertion into mains sock	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)	A SLIFE WITE WHITE WH	N/A
4.8	Equipment containing coin/button cell batteries	S S S S S	N/A
4.8.1	General	No coin/button cell batteries used.	N/A
4.8.2	Instructional safeguard	TEX TEX STER WITE	N/A
4.8.3	Battery compartment door/cover construction	2 My My	N/A
MULL	Open torque test	EX SITEX WITE MALTE W	N/A
4.8.4.2	Stress relief test	70	N/A
4.8.4.3	Battery replacement test	WILL WILL MULL AND	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	+ 1H+	N/A
4.8.5	Compliance	THE WILL AND AND	N/A
LIER	30N force test with test probe	a state of	N/A
In.	20N force test with test hook	West were were an	N/A
4.9	Likelihood of fire or shock due to entry of conductive object		Р
4.10	Component requirements	MULL MULL MULL MULL	N/A
4.10.1	Disconnect Device	LET LET LET LIET	N/A
4.10.2	Switches and relays	Ver Aug Aug Aug	N/A

5	ELECTRICALLY-CAUSED INJURY Classification and limits of electrical energy sources		P P
5.2			
5.2.2	ES1, ES2 and ES3 limits	Mer Mer Mer Mer	Р
5.2.2.2	Steady-state voltage and current limits	(See appended table 5.2)	IN P OF
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	1/11 1/11 1/11	N/A
5.3	Protection against electrical energy sources	TER STEE WITE WITE	WP s



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01	IEC 62368-1		1,7
Clause	Requirement – Test	Result – Remark	Verdict
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	THE THE THE ALL	P
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	any any any	N/A
5.3.1 b)	Skilled persons not unintentional contact ES3 bare conductors	NITER WHITER WHITER 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 PHY
WILL A	Accessibility to outdoor equipment bare parts	t still niter unite un	N/A
5.3.2.2	Contact requirements	All the state of	N/A
mer an	Test with test probe from Annex V	MITER MITER MILIE WILL	_
5.3.2.2 a)	Air gap – electric strength test potential (V)	m w to the	N/A
5.3.2.2 b)	Air gap – distance (mm)	LIE MILL WILL MALL	N/A
5.3.2.3	Compliance	a at at at	N/A
5.3.2.4	Terminals for connecting stripped wire	No stripped wire used.	N/A
5.4	Insulation materials and requirements	at the tile of	Р
5.4.1.2	Properties of insulating material	No insulation as a safeguard.	N/A
5.4.1.3	Material is non-hygroscopic	it it it it	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	IE WALL MULL MULL	N/A
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	t wifet wifet whitek wh	N/A
5.4.1.5.3	Thermal cycling test	71 V	N/A
5.4.1.6	Insulation in transformers with varying dimensions	INLIES WALTE WALT WAL	N/A
5.4.1.7	Insulation in circuits generating starting pulses	and the set	N/A
5.4.1.8	Determination of working voltage	ALTER WILL WILL WILL	N/A
5.4.1.9	Insulating surfaces	a st st st	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	Maria Maria Maria	N/A
5.4.1.10.2	Vicat test	ALTER MILITE MALTE MAL	N/A
5.4.1.10.3	Ball pressure test	The state of	N/A
5.4.2	Clearances	WITE WALL WALL WALL	N/A
5.4.2.1	General requirements	a st st set	N/A
4 Ex	Clearances in circuits connected to AC Mains, Alternative method	The Marie Marie August	N/A
5.4.2.2	Procedure 1 for determining clearance	it miter unite milit out	N/A
All the	Temporary overvoltage	at at at	£
5.4.2.3	Procedure 2 for determining clearance	alife with and want	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
Clause	Trequirement – Test	Result – Remark	Verdict
5.4.2.3.2.2	a.c. mains transient voltage	71, 21, 21,	_
5.4.2.3.2.3	d.c. mains transient voltage	SUTER OUTER MOLIER	write -
5.4.2.3.2.4	External circuit transient voltage	The the the	<i>a</i> –
5.4.2.3.2.5	Transient voltage determined by measurement	NITE WALLE WALLE	_
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	IEK SLIEK SLIEK WA	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	t the street with	N/A
5.4.2.6	Clearance measurement	11/2, 11/2, 11/2	N/A
5.4.3	Creepage distances	LIER SLIER WITE	N/A
5.4.3.1	General	14. 24. 2	N/A
5.4.3.3	Material group	LIER WITER WITER AND	17, 1
5.4.3.4	Creepage distances measurement	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
5.4.4	Solid insulation	ET WILL WALL WILL	N/A
5.4.4.1	General requirements	* * * * * * * * * * * * * * * * * * *	N/A
5.4.4.2	Minimum distance through insulation	WHITE WALL WALL	N/A
5.4.4.3	Insulating compound forming solid insulation	A STATE	N/A
5.4.4.4	Solid insulation in semiconductor devices	The sure of	N/A
5.4.4.5	Insulating compound forming cemented joints		N/A
5.4.4.6	Thin sheet material	The me m	N/A
5.4.4.6.1	General requirements	* TEX TEX ST	N/A
5.4.4.6.2	Separable thin sheet material	Mrs. Mrs. M.	N/A
antife ani	Number of layers (pcs)	THE THE NUMBER	N/A
5.4.4.6.3	Non-separable thin sheet material	an an an	N/A
LITE MALT	Number of layers (pcs)	TER LIER MITER	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	of let let i	N/A
5.4.4.6.5	Mandrel test	Mr. Mr. M.	N/A
5.4.4.7	Solid insulation in wound components	- TEK JEK JE	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz, <i>E</i> _P , <i>K</i> _R , <i>d</i> , <i>V</i> _{PW} (V)	THE THE TEXT	N/A
TEN TEN	Alternative by electric strength test, tested voltage (V), K _R	aris mis mis	N/A
5.4.5	Antenna terminal insulation	LIER MALTE MALTE WA	N/A
5.4.5.1	General	s st st st	N/A
5.4.5.2	Voltage surge test	WALL MULL MULL	N/A
5.4.5.3	Insulation resistance (MΩ)	4 4 4	N/A



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211	IEC 62368-1	life with wall wall	2112 211
Clause	Requirement – Test	Result – Remark	Verdict
	Electric strength test	Maria Aura Maria	N/A
5.4.6	Insulation of internal wire as part of supplementary safeguard	MULTER MULTER WHITER ON	N/A
5.4.7	Tests for semiconductor components and for cemented joints	NATER WHITER WHITE WHI	N/A
5.4.8	Humidity conditioning	at let let ster	N/A
- TEX	Relative humidity (%), temperature (°C), duration (h)	Mary Mary Mary	_
5.4.9	Electric strength test	WILL MULL AND A	N/A
5.4.9.1	Test procedure for type test of solid insulation	A A A	N/A
5.4.9.2	Test procedure for routine test	WILL MULL MULL MU	N/A
5.4.10	Safeguards against transient voltages from external circuits	LIER WILER WILER	N/A
5.4.10.1	Parts and circuits separated from external circuits		N/A
5.4.10.2	Test methods	in in white white	N/A
5.4.10.2.1	General	at at at	N/A
5.4.10.2.2	Impulse test	MULL MULL MULL M	N/A
5.4.10.2.3	Steady-state test	at a late of	N/A
5.4.10.3	Verification for insulation breakdown for impulse test	- 1 July M	N/A
5.4.11	Separation between external circuits and earth	IE WILL WILL WILL	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	* NIFER DUTER MILERY	N/A
5.4.11.2	Requirements	71 7	N/A
mr. m	SPDs bridge separation between external circuit and earth	MULTER WALTER MALLE WA	N/A
The MULL	Rated operating voltage U _{op} (V)	TEX LITER OLIVER WHITE	_
+ 4	Nominal voltage U _{peak} (V)	The state of	_
MULL	Max increase due to variation ΔU _{sp}	EX WILL WILL MILE	ur —
CE*	Max increase due to ageing ΔUsa	10 to 15	_
5.4.11.3	Test method and compliance	INLIE WHITE WALL W	N/A
5.4.12	Insulating liquid	at at at	N/A
5.4.12.1	General requirements	WHILE MULL AND AND	N/A
5.4.12.2	Electric strength of an insulating liquid	A A A A	N/A
5.4.12.3	Compatibility of an insulating liquid	The Maria Maria Maria	N/A
5.4.12.4	Container for insulating liquid	at let let let	N/A
5.5	Components as safeguards	Mur Mur Mur	N/A
5.5.1	General	No such components as safeguards.	N/A



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IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
F.F.O.	Conscitors and DC units	the wife with one	NI/A	
5.5.2	Capacitors and RC units		N/A	
5.5.2.1	General requirement		N/A	
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	The the state of	N/A	
5.5.3	Transformers	10, 20, 20, 2	N/A	
5.5.4	Optocouplers	TEK STEK WITER MALT	N/A	
5.5.5	Relays	711 24	N/A	
5.5.6	Resistors	A STIFF WITER WITER	N/A	
5.5.7	SPDs	70 70 1	N/A	
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable	antier white anti-	N/A	
5.5.9	Safeguards for socket-outlets in outdoor equipment	LIER WALTER WALTER WA	N/A	
NLTER	RCD rated residual operating current (mA)	et set set sie	·	
5.6	Protective conductor	the the m	N/A	
5.6.2	Requirement for protective conductors	t get get greet	N/A	
5.6.2.1	General requirements	Class III equipment	N/A	
5.6.2.2	Colour of insulation	LET THE STIFF	N/A	
5.6.3	Requirement for protective earthing conductors		N/A	
in white	Protective earthing conductor size (mm²)	THE LITE MITTER SIMIL	_	
A MITER	Protective earthing conductor serving as a reinforced safeguard	* Tet 176* SITE	N/A	
TEN.	Protective earthing conductor serving as a double safeguard	The the the	N/A	
5.6.4	Requirements for protective bonding conductors	MUTIL AWE AND A	N/A	
5.6.4.1	Protective bonding conductors	et et set	N/A	
20	Protective bonding conductor size (mm²)	VII AVE AVE AVE	_	
5.6.4.2	Protective current rating (A)	et the the st	N/A	
5.6.5	Terminals for protective conductors	me me m	N/A	
5.6.5.1	Terminal size for connecting protective earthing conductors (mm)	MALIER MALIER MALIER	N/A	
INLIEN JUN	Terminal size for connecting protective bonding conductors (mm)	UNITER WALTER WALTER	N/A	
5.6.5.2	Corrosion	+ + + +	N/A	
5.6.6	Resistance of the protective bonding system	LIE WILL MUST AND	N/A	
5.6.6.1	Requirements	at at all all	N/A	
5.6.6.2	Test Method	MULL MULL MULL	N/A	
5.6.6.3	Resistance (Ω) or voltage drop	the state	N/A	



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IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
5.6.7	Reliable connection of a protective earthing conductor	tet tet tet at	N/A	
5.6.8	Functional earthing	are are are	N/A	
Liter WI	Conductor size (mm²)	TEX STEX NUTER OUTER	N/A	
4 1	Class II with functional earthing marking	1 24 24 24 24 24 24 24 24 24 24 24 24 24	N/A	
WILL	Appliance inlet cl &cr (mm)	Et lifet Nifet Miles	N/A	
5.7	Prospective touch voltage, touch current and pro	otective conductor current	N/A	
5.7.2	Measuring devices and networks	- LIFE MITE WATER WATER	N/A	
5.7.2.1	Measurement of touch current	The state of	N/A	
5.7.2.2	Measurement of voltage	WITE WILL MILL WILL	N/A	
5.7.3	Equipment set-up, supply connections and earth connections	TEX STEEL STEEL SMITHER	N/A	
5.7.4	Unearthed accessible parts	141 141	N/A	
5.7.5	Earthed accessible conductive parts	A SITER WITE WALLE W	N/A	
5.7.6	Requirements when touch current exceeds ES2 limits	the tile stile stile	N/A	
	Protective conductor current (mA)	Mr. Mr. Mr.	N/A	
NITE WAS	Instructional Safeguard	ALIE MITE	N/A	
5.7.7	Prospective touch voltage and touch current associated with external circuits	The lift	N/A	
5.7.7.1	Touch current from coaxial cables	in the thing	N/A	
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	Whitek Miller Whitek Wh	N/A	
5.7.8	Summation of touch currents from external circuits	NITER INCIER WILLER WILL	N/A	
ITEK MIL	a) Equipment connected to earthed external circuits, current (mA)	tet tret suret muret	N/A	
ek alien	b) Equipment connected to unearthed external circuits, current (mA)	at the the that	N/A	
5.8	Backfeed safeguard in battery backed up supplie	es we we we am	N/A	
MITER	Mains terminal ES	No battery used	N/A	
~	Air gap (mm)	The Mr. M. M. D.	N/A	

6	ELECTRICALLY- CAUSED FIRE Classification of PS and PIS		Р
6.2			JE P L
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 SEK WALTEK



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Clause	Desiringment Test	Decult Demont	Verdict
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		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 conditions	and abnormal operating	TEK 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 EK WINLTE WINLTE
in in	Combustible materials outside fire enclosure	No such parts	N/A
6.4	Safeguards against fire under single fault condit	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	EX WILLER MULTER AND LIER AND	N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	Lifet stiff shifet shif	N/A
6.4.3.1	Supplementary safeguards	All the state of	N/A
6.4.3.2	Single Fault Conditions	LEX MILL WALL	N/A
et di	Special conditions for temperature limited by fuse		N/A
6.4.4	Control of fire spread in PS1 circuits	THE WALL WALL WALL V	Р
6.4.5	Control of fire spread in PS2 circuits	e at at at	N/A
6.4.5.2	Supplementary safeguards	Martin Maria Mari Mari	N/A
6.4.6	Control of fire spread in PS3 circuits	at at at it	N/A
6.4.7	Separation of combustible materials from a PIS	MULL MULL MULL MULL	N/A
6.4.7.2	Separation by distance	at at not not	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.	N/A
6.4.8.2	Fire enclosure and fire barrier material properties	V-0 plastic enclosure used	N/A
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-0 plastic enclosure used	N/A
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)	Mer Mr 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	
ale.	An An Tex	The wife will only on	- 111.	
15	Openings dimensions (mm)		N/A	
MUT. M	Flammability tests for the bottom of a fire enclosure	MULLER MILLE MILLE MILL	N/A	
Liter Wil	Instructional Safeguard	TER LITER ALTER MITE	N/A	
6.4.8.3.5	Side openings and properties	No side openings	N/A	
in white	Openings dimensions (mm)	LIEK RITER WITER WALTER 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-0 plastic enclosure used	N/A	
6.4.9	Flammability of insulating liquid	Mrs. Mrs. Mus. Mus.	N/A	
6.5	Internal and external wiring	at all all the	LITE 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 a	dditional equipment	P	
7	INJURY CAUSED BY HAZARDOUS SUBSTANC	CES	P	
7.2	Reduction of exposure to hazardous substance	es cres cres mile in	N/A	
7.0				
1.3	Ozone exposure		N/A	
	Ozone exposure Use of personal safeguards or personal protect	tive equipment (PPE)	N/A N/A	
			4	
7.4	Use of personal safeguards or personal protect	and the second	4	
7.4	Use of personal safeguards or personal protect Personal safeguards and instructions	ISLIET MILET WILLEY	N/A	
7.4	Use of personal safeguards or personal protections	ISLIET MILET WILLEY	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)	ISLIET MILET WILLEY	N/A	
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)	ISLIET MILET WILLEY	N/A	
7.4 7.5 7.6	Use of personal safeguards or personal protections	ISLIET MILET WILLEY	N/A — N/A — P	
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 ITE MILIE WHITE WHITE WAS TEN	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) Batteries and their protection circuits MECHANICALLY-CAUSED INJURY Mechanical energy source classifications	IS THE MILE WILL WILL WILL WILL WILL WILL WILL W	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 Safeguards against mechanical energy sources	IS THE MILE WILL WILL WILL WILL WILL WILL WILL 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 Use of instructional safeguards and instruction Instructional safeguard (ISO 7010) Batteries and their protection circuits MECHANICALLY-CAUSED INJURY Mechanical energy source classifications Safeguards against mechanical energy sources Safeguards against parts with sharp edges and	IS THE MILE WILL WILL WILL WILL WILL WILL WILL W	N/A	



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11010101100	11011 11111 202001210201	i age ii ei ei		
in m	711. 21. 2	IEC 62368-1	WILL WILL MALL WI	ir. mr. m.
Clause	Requirement – Test	is must all a	Result – Remark	Verdict

8.5	Safeguards against moving parts		N/A
8.5.1	Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts	No moving parts.	N/A
TILE MULL	MS2 or MS3 part required to be accessible for the function of the equipment	See above.	N/A
EK RUTER	Moving MS3 parts only accessible to skilled person	et let let liet i	N/A
8.5.2	Instructional safeguard:	The August August	N/A
8.5.4	Special categories of equipment containing moving parts	United white white whi	N/A
8.5.4.1	General	at at the the	N/A
8.5.4.2	Equipment containing work cells with MS3 parts	auri mer mer me	N/A
8.5.4.2.1	Protection of persons in the work cell	EX TEX TEX STEEL	N/A
8.5.4.2.2	Access protection override	is my my my	N/A
8.5.4.2.2.1	Override system	et tet alter outer an	N/A
8.5.4.2.2.2	Visual indicator	Mr. M. M.	N/A
8.5.4.2.3	Emergency stop system	LIFE NITE WITE WITE	N/A
	Maximum stopping distance from the point of activation (m)	itet altet	N/A
TEK STEK	Space between end point and nearest fixed mechanical part (mm):	T THE THE	N/A
8.5.4.2.4	Endurance requirements	it must must me a	N/A
WALTER	Mechanical system subjected to 100 000 cycles of operation	t intest unitest unitest uni	N/A
JEK N	- Mechanical function check and visual inspection	a de de la	N/A
m. m	- Cable assembly:	write with mill me	N/A
8.5.4.3	Equipment having electromechanical device for destruction of media	stek milet unitek unitek	N/A
8.5.4.3.1	Equipment safeguards	e state of	N/A
8.5.4.3.2	Instructional safeguards against moving parts:	in write white me we	N/A
8.5.4.3.3	Disconnection from the supply	- It It It I	N/A
8.5.4.3.4	Cut type and test force (N):	MULT MULT MULT MILE	N/A
8.5.4.3.5	Compliance	LEK TEK TEK TEK	N/A
8.5.5	High pressure lamps	No high pressure lamps used.	N/A
TE NALTE	Explosion test	TEX STEX SLIEN SLIEN	N/A
8.5.5.3	Glass particles dimensions (mm)	211, 211, 21,	N/A
8.6	Stability of equipment	EX LIFE OUTER WITE MAN	N/A
8.6.1	General	MS1: Mass of the unit	N/A
wer w	Instructional safeguard:	TER SITE OUT WILL	N/A



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Clause	Requirement – Test	Result – Remark	Verdict	
8.6.2	Static stability	in his me	N/A	
8.6.2.2	Static stability test:	alies while while wh	N/A	
8.6.2.3	Downward force test	20 2 2 A	N/A	
8.6.3	Relocation stability	RITE WALTER WALTE WALTE	N/A	
et je	Wheels diameter (mm):	a at at at	_	
200	Tilt test	LE MULL AUT. AUT.	N/A	
8.6.4	Glass slide test	t et tet jet	N/A	
8.6.5	Horizontal force test:	Mill Mill M. M.	N/A	
8.7	Equipment mounted to wall, ceiling or other stru	icture	N/A	
8.7.1	Mount means type	No wall or ceiling	N/A	
8.7.2	Test methods	TEX SITES SITES WITE	N/A	
++	Test 1, additional downwards force (N)	- 144 Au Au	N/A	
MULL	Test 2, number of attachment points and test force (N)	ex uniter mute uniter	N/A	
WALTE V	Test 3 Nominal diameter (mm) and applied torque (Nm)	MULTER WHITE WHITE WA	N/A	
8.8	Handles strength	at the sti	N/A	
8.8.1	General	No handles	N/A	
8.8.2	Handle strength test	THE THE STREET	N/A	
	Number of handles:	The Maria Maria		
. JALTE	Force applied (N):	t like like niter i	المارية المارية	
8.9	Wheels or casters attachment requirements	Mr. Mr. M.	N/A	
8.9.2	Pull test	No such parts	N/A	
8.10	Carts, stands and similar carriers	24 24 24 24 X	N/A	
8.10.1	General	No carts, stands or similar carriers	N/A	
8.10.2	Marking and instructions:	et jet jet miter	N/A	
8.10.3	Cart, stand or carrier loading test	211. 211. 21.	N/A	
WALT	Loading force applied (N)	- Little Willer Willer W	N/A	
8.10.4	Cart, stand or carrier impact test	my m	N/A	
8.10.5	Mechanical stability	ALTER WITE WALTE WALTE	N/A	
LET S	Force applied (N)	and the set of		
8.10.6	Thermoplastic temperature stability	THE WITE WALL WALL	N/A	
8.11	Mounting means for slide-rail mounted equipme	nt (SRME)	N/A	
8.11.1	General	No such parts	N/A	
8.11.2	Requirements for slide rails	at at at	N/A	



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IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
Mer	M. M	the write mark whi.	Mr. Alle	
Let.	Instructional Safeguard	***	N/A	
8.11.3	Mechanical strength test	Chille White White	N/A	
8.11.3.1	Downward force test, force (N) applied:	30°	N/A	
8.11.3.2	Lateral push force test	ALTER WALTE WALL W	N/A	
8.11.3.3	Integrity of slide rail end stops		N/A	
8.11.4	Compliance	THE MULL MULL MULL	N/A	
8.12	Telescoping or rod antennas	a at all all	N/A	
10. 1	Button/ball diameter (mm):	No such parts	100	

9	THERMAL BURN INJURY		7/1 P 1
9.2	Thermal energy source classifications	· · · · · · · · · · · · · · · · · · ·	Р
9.3	Touch temperature limits		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 PLIE
9.3.2	Test method and compliance	See B.1.6 & B.2.3	F Rot
9.4	Safeguards against thermal energy source	SITE OUT OF WALL WALL	A _{ll} P
9.5	Requirements for safeguards		ζP
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.	ILLER MILL
9.5.2	Instructional safeguard	: Instructional safeguard is not required.	N/A
9.6	Requirements for wireless power transmit	ters to the life life matter	N/A
9.6.1	General	No wireless power transmitters	N/A
9.6.2	Specification of the foreign objects	THE STEE STEEL WITE WITE	N/A
9.6.3	Test method and compliance	:5	N/A

10	RADIATION Radiation energy source classification		P P
10.2			
10.2.1	General classification	See below	P
الان الماران	Lasers	LIER OLIER MLIE MAIR	
TEK WILL	Lamps and lamp systems:	RS1: LED only for indicating use which is considered as low power application.	_
y _1754	Image projectors	at the tite of	_
70,	X-Ray:	Mr. Mr. Mr. M.	_
CLIER	Personal music player	LET THE LIFE NUT	_



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46 0		307 1 1190 20 01 01		
in an		IEC 62368-1		
Clause	Requirement – Test	Mur. All M	Result – Remark	Verdict

10.3	Safeguards against laser radiation	feguards against laser radiation	
mr. M	The standard(s) equipment containing laser(s) comply	No laser radiation	N/A
10.4	Safeguards against optical radiation from lamps and lamp systems (including LED types)		_{OUN} LT P
10.4.1	General requirements	LED indication light: Classed as RS1 (Exempt Group)	LIFE P
MALTER	Instructional safeguard provided for accessible radiation level needs to exceed	t still still solilik	N/A
J.	Risk group marking and location:		N/A
iner in	Information for safe operation and installation	ALTER MILIE WALLE WALLE	N/A
10.4.2	Requirements for enclosures	The state of the s	N/A
17/1/2	UV radiation exposure:	LIER WILL WILL A	N/A
10.4.3	Instructional safeguard:		N/A
10.5	Safeguards against X-radiation	TER WILL MULT MUT ME	N/A
10.5.1	5.1 Requirements No X-radiation		N/A
1115 1	Instructional safeguard for skilled persons	antic matic man man	_
10.5.3	Maximum radiation (pA/kg)		_
10.6	Safeguards against acoustic energy sources		Р
10.6.1	General	The Little Little	JIE P
10.6.2	Classification	Headphones: RS1	Р
MULTE.	Acoustic output $L_{Aeq,T}$, dB(A)	See EN 50332-2 test report No.: WTF23X06138822Y.	Р
Mariell M	Unweighted RMS output voltage (mV):	No such electrical output socket	N/A
all s	Digital output signal (dBFS)	and the set set	N/A
10.6.3	Requirements for dose-based systems	ALTER WALTE WALTE WALL	N/A
10.6.3.1	General requirements	a at at at	N/A
10.6.3.2	Dose-based warning and automatic decrease	The Maria Maria Maria Maria	N/A
10.6.3.3	Exposure-based warning and requirements	- At At At S	N/A
20, 2	30 s integrated exposure level (MEL30):	Wer are any any	N/A
-UTER 10	Warning for MEL ≥ 100 dB(A):	et let let liter	N/A
10.6.4	Measurement methods	mer mer me m	Р
10.6.5	Protection of persons	TEX TEX LIER SLIER	NO P
, ,	Instructional safeguards	in the the	Р
10.6.6	Requirements for listening devices (headphones, earphones, etc.)	It while while while wh	Р
10.6.6.1	Corded listening devices with analogue input	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
'Alla	Listening device input voltage (mV):	The wall will and an	N/A
10.6.6.2	Corded listening devices with digital input	CITE MITE WILL WILL	N/A
at 1	Max. acoustic output L _{Aeq,T} , dB(A)	The state of	N/A
10.6.6.3	Cordless listening devices	NITER MILE WALL WALL	N/A
CENT SEN	Max. acoustic output L _{Aeq,T} , dB(A):		N/A

В	NORMAL OPERATING CONDITION TESTS, ABNORMAL OPERATING CONDITION TESTS AND SINGLE FAULT CONDITION TESTS		Y P
B.1	General Tel Tel Tel Tel Tel Tel Tel Tel Tel Te		Р
B.1.5	Temperature measurement conditions	(See appended table B.1.5)	P
B.2	Normal operating conditions	The the the	Р
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	P
WALTE	Audio Amplifiers and equipment with audio amplifiers:	EX JUNITER WALTER WALTER WAS	N/A
B.2.3	Supply voltage and tolerances	Rated input 5Vdc	Р
B.2.5	Input test	(See appended table B.2.5)	A P
B.3	Simulated abnormal operating conditions	et Tet litet	ďΡ
B.3.1	General (See appended table B.3)		Р
B.3.2	Covering of ventilation openings	No ventilation openings.	N/A
, ,	Instructional safeguard:	" Mr. Mr. M. A.	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)	P
B.3.6	Reverse battery polarity	No such battery	N/A
B.3.7	Audio amplifier abnormal operating conditions	(See appended table B.3)	P
B.3.8	Safeguards functional during and after abnormal operating conditions	All safeguards remained effective	TEK P
B.4	Simulated single fault conditions	Mr. Mr. Mr.	Р
B.4.1	General	TEN STEE NITE WILL	J/P
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 OF
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)	Р

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- 20,	IEC 62368-1	KIT, THE WAS THE	20. 1.
Clause	Requirement – Test	Result – Remark	Verdict
D 1 1 0			200
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	EL PEN
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	WALLE P.W
B.4.9	Battery charging and discharging under single fault conditions	See annex M	PUTEL PUT
С	UV RADIATION		N/A
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	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
C.2	UV light conditioning test	LIFE REITE WALL WALL .	N/A
C.2.1	Test apparatus	1 1 1	N/A
C.2.2	Mounting of test samples	MITTER WALL WALL WA	N/A
C.2.3	Carbon-arc light-exposure test	a at at a	N/A
C.2.4	Xenon-arc light-exposure test	WILL MULL MULL MULL	N/A
D	TEST GENERATORS		N/A
D.1	Impulse test generators	Write Music Mar Mar	N/A
D.2	Antenna interface test generator	at let tet tet	N/A
D.3	Electronic pulse generator	in mir mer me a	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	ING AUDIO AMPLIFIERS	N/A
E.1	Electrical energy source classification for audio	o signals	N/A
WILLEY ON	Maximum non-clipped output power (W):	TEK JEK STEK STE	_
	Rated load impedance (Ω):	me me me	_
TENNET	Open-circuit output voltage (V)	TEX STEE STEE STEE	_
t st	Instructional safeguard:	111 111 111	_
E.2	Audio amplifier normal operating conditions	itel actited and the supplied and	N/A
et.	Audio signal source type:	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	e —
with a	Audio output power (W)	LIFE NITE WITE WITE	



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Clause	Deguirement Teet	Result – Remark	Verdiet
Clause	Requirement – Test	Result – Remark	Verdict
, et	Audio output voltage (V):	We have the	_
mer m	Rated load impedance (Ω):	ALTER ARTE WALTE WALL	_
at a	Requirements for temperature measurement	The state of	N/A
E.3	Audio amplifier abnormal operating conditions	RITE WALTE WALT WALT	N/A
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND SAFEGUARDS	INSTRUCTIONAL	TEK P
F.1	General	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	e Pe
MUC. 1	Language	English	
F.2	Letter symbols and graphical symbols	The state of the	Р
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	WITEL
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.	P TEK WILL
F.3	Equipment markings	to TEX LIEX NUTER ONLY	Р
F.3.1	Equipment marking locations	The required marking is located on the enclosure of the equipment and is easily visible.	P
F.3.2	Equipment identification markings	See below for details.	PIL BU
F.3.2.1	Manufacturer identification	See copy of marking plate	, P
F.3.2.2	Model identification	See copy of marking plate	Р
F.3.3	Equipment rating markings	See below for details.	P.
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.	χP
F.3.3.3	Nature of the supply voltage	See copy of marking plate.	J P
F.3.3.4	Rated voltage	See copy of marking plate.	P
F.3.3.5	Rated frequency	DC supply	Р
F.3.3.6	Rated current or rated power	See copy of marking plate.	Р
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	mer mer me m	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings	TEX WILLER WILLER	N/A
F.3.5.2	Switch position identification marking:	a st st st.	N/A
F.3.5.3	Replacement fuse identification and rating markings	The Man and the	N/A
Mr. M	Instructional safeguards for neutral fuse:	alife of the other of the	N/A



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Clause	Requirement – Test	Result – Remark	Verdict	
The .		Ex MILE WILL MUL. M.	711	
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 the	N/A	
F.3.6	Equipment markings related to equipment classification	Class III equipment	N/A	
F.3.6.1	Class I equipment		N/A	
F.3.6.1.1	Protective earthing conductor terminal	An In	N/A	
F.3.6.1.2	Protective bonding conductor terminals:	t alter miter mile mi	N/A	
F.3.6.2	Equipment class marking:	700 AV AV	N/A	
F.3.6.3	Functional earthing terminal marking	LIER WIFE WIFE WALLE	N/A	
F.3.7	Equipment IP rating marking:	This equipment is classified as IPX0.	MITEK-	
F.3.8	External power supply output marking:	See copy of marking plate.	Р	
F.3.9	Durability, legibility and permanence of marking Marking is considered by legible and easily see also the follows:		P	
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.	MULLER	
F.4	Instructions	et let let liet liet	Р	
	a) Information prior to installation and initial use	See user manual	Р	
E. WALTE	b) Equipment for use in locations where children not likely to be present	EX WRITER WRITER WILLES	N/A	
TEK.	c) Instructions for installation and interconnection	- at all all of	N/A	
An A	d) Equipment intended for use only in restricted access area	Must make more an	N/A	
no m	e) Equipment intended to be fastened in place	WITE WALL MALL MALL	N/A	
At A	f) Instructions for audio equipment terminals	the state of	N/A	
" Mig.	g) Protective earthing used as a safeguard	LIE WILL MALL WALL	N/A	
WALTER	h) Protective conductor current exceeding ES2 limits	# TIEK WIFEK WIFEK	N/A	
.4.	i) Graphic symbols used on equipment	20, 2, 3,	N/A	



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	IEC 62368-1	4. 24. 24. 24.	
Clause	Requirement – Test	Result – Remark	Verdict
NITER OF	j) Permanently connected equipment not provided with all-pole mains switch	the text lies	N/A
	k) Replaceable components or modules providing safeguard function	me me m	N/A
71/2	Equipment containing insulating liquid	WILL MULL MULL M	N/A
IEK JIE	m) Installation instructions for outdoor equipment	at at at it	N/A
F.5	Instructional safeguards		N/A
G	COMPONENTS		P
G.1	Switches	The The An	N/A
G.1.1	General	No switch used	N/A
G.1.2	Ratings, endurance, spacing, maximum load	me me me	N/A
G.1.3	Test method and compliance	TER LITER SLITER AND	N/A
G.2	Relays		
G.2.1	Requirements	No relay used.	N/A
G.2.2	Overload test		N/A
G.2.3	Relay controlling connectors supplying power to other equipment		N/A
G.2.4	Test method and compliance		N/A
G.3	Protective devices	7 1	N/A
G.3.1	Thermal cut-offs	No such component	N/A
* WITE	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	t Tet ITET LITER	N/A
JEK .	Thermal cut-outs tested as part of the equipment as indicated in c)	the the tip	N/A
G.3.1.2	Test method and compliance	WILL MUST MUST 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	he me me m	N/A
24	b) Thermal links tested as part of the equipment	THE WALL WALL WALL	N/A
G.3.2.2	Test method and compliance	A At At	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	mus mus mus m	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	TE WILL WILL MAN	N/A
G.3.5.2	Single faults conditions:	CER NITER WITE WALLE	N/A
G.4	Connectors	70. T. T. T.	N/A
G.4.1	Spacings	No such component	N/A



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10,	IEC 62368-1	Will with the Miles	20, 40,
Clause	Requirement – Test	Result – Remark	Verdict
Mr.	Mr. And A. Aller S.	The Mile Will Will	me m
G.4.2	Mains connector configuration		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	N/A	
G.5.1	Wire insulation in wound components No such component		N/A
G.5.1.2	Protection against mechanical stress	TER STEEL WITER WALL	N/A
G.5.2	Endurance test	w. 2	N/A
G.5.2.1	General test requirements	ALTER WITE WAITE	N/A
G.5.2.2	Heat run test	24 T	N/A
ne in	Test time (days per cycle)	CHIEF WITE WITE	Vr. —
16t 15	Test temperature (°C):	The second	CENT -
G.5.2.3	Wound components supplied from the mains	LIFE MILIE MALLE WA	N/A
G.5.2.4	No insulation breakdown	a at at a	N/A
G.5.3	Transformers		N/A
G.5.3.1	Compliance method:	at at the	N/A
	Position:	WHILL MALL MILL	N/A
	Method of protection:	it it	N/A
G.5.3.2	Insulation	2 24 24	N/A
SEE ANTIE	Protection from displacement of windings:		
G.5.3.3	Transformer overload tests	70 10 10 10 10 10 10 10 10 10 10 10 10 10	N/A
G.5.3.3.1	Test conditions	of the life wife	N/A
G.5.3.3.2	Winding temperatures	24, 25, 2,	N/A
G.5.3.3.3	Winding temperatures - alternative test method	LIER NITER MITER	N/A
G.5.3.4	Transformers using FIW	m in in	N/A
G.5.3.4.1	General	LIER RITER WILLER WA	N/A
et et	FIW wire nominal diameter:		,t
G.5.3.4.2	Transformers with basic insulation only	THE WALTER WALTER WALT	N/A
G.5.3.4.3	Transformers with double insulation or reinforced insulation	- Lifet Wifet Wifet	N/A
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	Tex Tex Tex	N/A
G.5.3.4.5	Thermal cycling test and compliance	me me me	N/A
G.5.3.4.6	Partial discharge test	THE LIER SLIER WI	N/A
G.5.3.4.7	Routine test	10 20 20	N/A
G.5.4	Motors	No motors used.	N/A
G.5.4.1	General requirements	20, 20, 20,	N/A
G.5.4.2	Motor overload test conditions	TER LIE WITTE	N/A



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12),	IEC 62368-1	atte anti- white white	40, 40,
Clause	Requirement – Test	Result – Remark	Verdict
ale.	all are the state of	ER WITE WALL WALL	The The
G.5.4.3	Running overload test		N/A
G.5.4.4.2	Locked-rotor overload test	ALTER WALTE WALTE W	N/A
LEF S	Test duration (days):	The state of	<u>الحلي</u>
G.5.4.5	Running overload test for DC motors	RETER MALTE WALL WALL WALL	N/A
G.5.4.5.2	Tested in the unit		N/A
G.5.4.5.3	Alternative method	THE WALL MULT MULT	N/A
G.5.4.6	Locked-rotor overload test for DC motors	L of the text	N/A
G.5.4.6.2	Tested in the unit	MULTI MAL MAL	N/A
alifett mi	Maximum Temperature	et et set	N/A
G.5.4.6.3	Alternative method	MULL MULL MILL MILL	N/A
G.5.4.7	Motors with capacitors	Let JEK JEK JI	N/A
G.5.4.8	Three-phase motors	r we we wa	N/A
G.5.4.9	Series motors	EX TEX STEE STEE	N/A
	Operating voltage	Mr. M. M.	_
G.6	Wire Insulation		
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:	The state of	_
G.7.2	Cross sectional area (mm² or AWG)	MITTER MALTER MALTER	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	lifet nitet mitet ou	N/A
G.7.3.2	Cord strain relief	20, 20, 4	N/A
G.7.3.2.1	Requirements	LIER CLIEF WALLE WALL	N/A
et et	Strain relief test force (N)		N/A
G.7.3.2.2	Strain relief mechanism failure	LET WILL AND THE MACH	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):		N/A
G.7.3.2.4	Strain relief and cord anchorage material	WILL MILL MILL V	N/A
G.7.4	Cord Entry	at at alt	N/A
G.7.5	Non-detachable cord bend protection	White Murice Mary Mary	N/A
G.7.5.1	Requirements	A St. At St.	N/A
G.7.5.2	Test method and compliance	THE WAY WILL AND	N/A
WALTER	Overall diameter or minor overall dimension, <i>D</i> (mm)	A WHILE MULTER	ans —
	Radius of curvature after test (mm)		



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IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
The .	m m v v it it it it	EL WILL MILL MU	201	
G.7.6	Supply wiring space		N/A	
G.7.6.1	General requirements	WILL MILL MULL MULL	N/A	
G.7.6.2	Stranded wire	The state of	N/A	
G.7.6.2.1	Requirements	alter white walk walk	N/A	
G.7.6.2.2	Test with 8 mm strand	a start set	N/A	
G.8	Varistors	TER MITE WALL MAL W	N/A	
G.8.1	General requirements	No such component	N/A	
G.8.2	Safeguards against fire	West Mer Mr. Mr.	N/A	
G.8.2.1	General	at at the th	N/A	
G.8.2.2	Varistor overload test	Will All Mr. All	N/A	
G.8.2.3	Temporary overvoltage test	It LEK TEK ITEK	N/A	
G.9	Integrated circuit (IC) current limiters	VEL ME ME ME	N/A	
G.9.1	Requirements	No such component	N/A	
-3" -	IC limiter output current (max. 5A):	The The Age A.	_	
UNITED W	Manufacturers' defined drift	TEX SITE OUTE SOLI	_	
G.9.2	Test Program		N/A	
G.9.3	Compliance		N/A	
G.10	Resistors		N/A	
G.10.1	General	No such component	N/A	
G.10.2	Conditioning	. I de et	N/A	
G.10.3	Resistor test	WITE WALL WALL WA	N/A	
G.10.4	Voltage surge test	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A	
G.10.5	Impulse test	with with mit with	N/A	
G.10.6	Overload test	a et et et	N/A	
G.11	Capacitors and RC units	WILL MULL AND AND	N/A	
G.11.1	General requirements	No such component	N/A	
G.11.2	Conditioning of capacitors and RC units	MALL WALL WIT W	N/A	
G.11.3	Rules for selecting capacitors	- et let stet si	N/A	
G.12	Optocouplers	Mury Mury My My	N/A	
Nexter Was	Optocouplers comply with IEC 60747-5-5 with specifics	No such component	N/A	
JEK JUE	Type test voltage V _{ini,a} :	at let let set	_	
72),	Routine test voltage, V _{ini, b}	in mi mi mi	_	
G.13	Printed boards	at let let let.	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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	IEC 62368-1	or and my	20, 2
Clause	Requirement – Test	Result – Remark	Verdict
G.13.2	Uncoated printed boards	Mer. wer. our.	N/A
G.13.2 G.13.3	Coated printed boards	- 10t 10t 10t	N/A
G.13.4	Insulation between conductors on the same inner	any any any	N/A
G.13.4	surface		IN/A
G.13.5	Insulation between conductors on different surfaces	at all the	N/A
10.	Distance through insulation:	The Man Man	N/A
	Number of insulation layers (pcs):	t let like ster	
G.13.6	Tests on coated printed boards	me in in	N/A
G.13.6.1	Sample preparation and preliminary inspection	TEX LIEX OLIVER	N/A
G.13.6.2	Test method and compliance	14. 14. 14. 1	N/A
G.14	Coating on components terminals	TEX STEX WITE ON	N/A
G.14.1	Requirements:		N/A
G.15	Pressurized liquid filled components	TEX STEE WITE SINITE	N/A
G.15.1	Requirements	No such component	N/A
G.15.2	Test methods and compliance	WITE WILL WALL	N/A
G.15.2.1	Hydrostatic pressure test		N/A
G.15.2.2	Creep resistance test	" Murry Mi	N/A
G.15.2.3	Tubing and fittings compatibility test	# A	N/A
G.15.2.4	Vibration test	The Wife Mile Muse	N/A
G.15.2.5	Thermal cycling test	e at at let	N/A
G.15.2.6	Force test	MULL MULL MULL	N/A
G.15.3	Compliance	LIK TEK TEK	N/A
G.16	IC including capacitor discharge function (ICX)	Aury Aur Aur 2	N/A
G.16.1	Condition for fault tested is not required	No such component	N/A
	ICX with associated circuitry tested in equipment	by my my my	N/A
ET MALTE	ICX tested separately	EF JEF LIEF WITE	N/A
G.16.2	Tests	m. m. m.	N/A
Maria 1	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	UNLIER WALTER WALTER	MILL -
Willey AV	Mains voltage that impulses to be superimposed on:	UNITER WHITEK WHITEK	LITER —
TEX MUTE	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test	ITEK INLIEK MILIEK MINI	erk —
G.16.3	Capacitor discharge test	70 70 71	N/A
Н	CRITERIA FOR TELEPHONE RINGING SIGNALS	S	N/A
H.1	General	d at at	N/A
H.2	Method A	NITE WITE WILL !	N/A



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<u> </u>		30.1 1.91 11 11		
in an		IEC 62368-1		
Clause	Requirement – Test	Mur. Mr. m	Result – Remark	Verdict

H.3	Method B		N/A
H.3.1	Ringing signal	No telephone ringing signal generated within the equipment.	N/A
H.3.1.1	Frequency (Hz)	Will My My My	_
H.3.1.2	Voltage (V):	et set set set set	_
H.3.1.3	Cadence; time (s) and voltage (V)	and the man	_
H.3.1.4	Single fault current (mA):	to the lift site of	_
H.3.2	Tripping device and monitoring voltage	21/2 21 22	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	united white united white	N/A
H.3.2.2	Tripping device	TEX TEX LIFE OUTER	N/A
H.3.2.3	Monitoring voltage (V):	7. Mr. M. M.	N/A
J	INSULATED WINDING WIRES FOR USE WITHO INSULATION	UT INTERLEAVED	N/A
J.1	General	- let tet tet tet	N/A
14, 2	Winding wire insulation:	Weight The American	_
NITER SINI	Solid round winding wire, diameter (mm):	at the little with	N/A
iet lie	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²):	The last	N/A
J.2/J.3	Tests and Manufacturing	in with any and a	
K	SAFETY INTERLOCKS		N/A
K.1	General requirements	The Mr. M. M.	N/A
Maries 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. My.	N/A
K.4	Interlock safeguard override	ex fex tex tex	N/A
K.5	Fail-safe	i mur mur mi m	N/A
K.5.1	Under single fault condition	- TEN TEN LITER MIT	N/A
K.6	Mechanically operated safety interlocks	Mur Mu M	N/A
K.6.1	Endurance requirement	TEX LIEX RUFER WITE	N/A
K.6.2	Test method and compliance:	ne m m	N/A
K.7	Interlock circuit isolation	TEX STEEL WITER SHIPE SE	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements	at the the	N/A
A EST	In circuit connected to mains, separation distance for contact gaps (mm):	Mus. My My My	N/A



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IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
- Call	THE	The Will War AND	211
WITEK N	In circuit isolated from mains, separation distance for contact gaps (mm)	TEX TEX STEX MILE	N/A
	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 Mrs. Mrs. Mrs.	N/A
K.7.3	Endurance test	of the text that	N/A
K.7.4	Electric strength test	in the the the	N/A
L	DISCONNECT DEVICES		N/A
L.1	General requirements	My My My My	N/A
L.2	Permanently connected equipment	THE STEP STEE STEE	N/A
L.3	Parts that remain energized	Mr. Mr. M.	N/A
L.4	Single-phase equipment	TEX STEE OUTER SOUTE	N/A
L.5	Three-phase equipment	In the state of	N/A
L.6	Switches as disconnect devices	EK NITEK WITE WHITE WI	N/A
L.7	Plugs as disconnect devices	70 7	N/A
L.8	Multiple power sources	CHIEF WITE WALL WALL	N/A
Let .	Instructional safeguard:	The state of	N/A
М	EQUIPMENT CONTAINING BATTERIES AND TH	HEIR PROTECTION CIRCUITS	on P
M.1	General requirements	t it	P
M.2	Safety of batteries and their cells	itte watt wat wat a	Р
M.2.1	Batteries and their cells comply with relevant IEC standards	Approved battery pack used	P.
M.3	Protection circuits for batteries provided within the equipment	THE LITTER STITE STATE	- P.Y
M.3.1	Requirements	Mr. Mr. Mr.	Р
M.3.2	Test method	ITER LITER MITER MITER	P.
ek miek	Overcharging of a rechargeable battery	(See appended table Annex M)	TEK P
TEN.	Excessive discharging	(See appended table Annex M)	P
VIII A	Unintentional charging of a non-rechargeable battery	No such battery used	N/A
ire, m	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	NE PA
M.4	Additional safeguards for equipment containin lithium battery	g a portable secondary	nn P



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21,	IEC 62368-1	The wife the Aut of	n. 2n.
Clause	Requirement – Test	Result – Remark	Verdict
Mr.		er alle and and an	211
M.4.1	General	N	⊢ P+
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.	WAP
M.4.2.1	Requirements	Mury Mur Mur Mr.	N/A
M.4.2.2	Compliance	(See appended table M.4.2)	P
M.4.3	Fire enclosure	V-0 fire enclosure used	Р
M.4.4	Drop test of equipment containing a secondary lithium battery	LIER MILIER MILIER WILLER	MITE PUN
M.4.4.2	Preparation and procedure for the drop test	at left the treet	TEX PITE
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.	WP NITER
M.4.4.5	Charge / discharge cycle test	No fire, explosion and any electrolyte leakage	P
M.4.4.6	Compliance	The Write Man Mar A	Р
M.5	Risk of burn due to short-circuit during carryin	g of the test of	PTE
M.5.1	Requirement	No bare conductive terminal used	Р
M.5.2	Test method and compliance	WITE WALL MILL MALL	N/A
M.6	Safeguards against short-circuits	I A A A	Р
M.6.1	External and internal faults	HILL WILL MUT MUT	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.	TEE PAIT
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 STEE WITE WALL O	N/A
M.7.2	Test method and compliance	70 7	N/A
ant.	Minimum air flow rate, Q (m³/h):	HE WITE WITE WHILE WIN	N/A
M.7.3	Ventilation tests	The state of the state of	N/A
M.7.3.1	General	alter alter with wall wall	N/A



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20,	IEC 62368-1	or are any	in 2,
Clause	Requirement – Test	Result – Remark	Verdict
" Mer.	White the state of	EL MILL MILL MILL MI	in any
M.7.3.2	Ventilation test – alternative 1	the state of the state of	N/A
me m	Hydrogen gas concentration (%)	WILL MILL MULL MULL	N/A
M.7.3.3	Ventilation test – alternative 2	The state of	N/A
1. 24.	Obtained hydrogen generation rate:	RITER WITE WALL WILL	N/A
M.7.3.4	Ventilation test – alternative 3	and the state of	N/A
. The	Hydrogen gas concentration (%):	The Write Music Aut. M	N/A
M.7.4	Marking:	e at at set s	N/A
M.8	Protection against internal ignition from extern with aqueous electrolyte	al spark sources of batteries	N/A
M.8.1	General	CLIEF WILL WALL WALL	N/A
M.8.2	Test method	The state of the s	N/A
M.8.2.1	General	LIFE WALTE WALTE WALT	N/A
M.8.2.2	Estimation of hypothetical volume Vz (m³/s):	A A A AT	KEK -
M.8.2.3	Correction factors:	e write mit mit m	100
M.8.2.4	Calculation of distance d (mm):	at at the s	* _d*
M.9	Preventing electrolyte spillage	white many mer me	N/A
M.9.1	Protection from electrolyte spillage	LET STEE STEE	N/A
M.9.2	Tray for preventing electrolyte spillage	2 20, 20,	N/A
M.10	Instructions to prevent reasonably foreseeable misuse	TE MILTE WALLE WALTE	N/A
LITER	Instructional safeguard:	t of set set set	N/A
N	ELECTROCHEMICAL POTENTIALS	With the My My	N/A
NITER OF	Material(s) used	LEK TEK TEK STE	1016
0	MEASUREMENT OF CREEPAGE DISTANCES AND CLEARANCES		N/A
LITE SILL	Value of X (mm)	TEX TEX LIET NUTER	WEIGHT.
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
P.2.1	General	- LIEF WITER WITER WATER	Р
P.2.2	Safeguards against entry of a foreign object	20, 20, 20, 2	Р
المال المالي	Location and Dimensions (mm)	No opening.	alv.
P.2.3	Safeguards against the consequences of entry of a foreign object	TEX STEE STEEL WITH	N/A
P.2.3.1	Safeguard requirements	The state of	N/A
White.	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment	White white white w	N/A



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IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
Me	An An Aller	Er with with our on	- m	
	Transportable equipment with metalized plastic parts	at at all si	N/A	
P.2.3.2	Consequence of entry test:	MULIE MULL MULL MULL	N/A	
P.3	Safeguards against spillage of internal liquids	the tell the state	N/A	
P.3.1	General	No such liquids.	N/A	
P.3.2	Determination of spillage consequences	cet itet itet nitet i	N/A	
P.3.3	Spillage safeguards		N/A	
P.3.4	Compliance	t lifet alifet militariani	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	The state of	N/A	
100	Conditioning, T _C (°C):	LIET WILL WALL WALL	1 1/2 _ 7	
et jet	Duration (weeks):	1 t et et	(d* -(
Q S	CIRCUITS INTENDED FOR INTERCONNECTION	WITH BUILDING WIRING	Р	
Q.1	Limited power sources	See appended table Annex Q.1	P.E	
Q.1.1	Requirements	The set	P	
he the	a) Inherently limited output	The sure sure	N/A	
CEX CIE	b) Impedance limited output	the state	OF P	
- n	c) Regulating network limited output	The west was and a	N/A	
LIER	d) Overcurrent protective device limited output	t let tet tet a	N/A	
4, ,	e) IC current limiter complying with G.9	Mrs. Mrs. Mrs. Mrs. Mrs.	N/A	
Q.1.2	Test method and compliance:	See below	Р	
17EX 17	Current rating of overcurrent protective device (A)	See appended table Annex Q.1	P	
Q.2	Test for external circuits – paired conductor cable	No such circuit for connection to the EUT	N/A	
MUL	Maximum output current (A)	IEE MITER WALTE WALL ON	N/A	
- TEX	Current limiting method:		# _ _	
R	LIMITED SHORT CIRCUIT TEST	WITE MILL WALL WALL	N/A	
R.1	General	No such consideration.	N/A	
R.2	Test setup	MUTTE MUTTE MUTE MUTE	N/A	
TEX SIFE	Overcurrent protective device for test:	at the tit the	LIEK-	
R.3	Test method	re me me me	N/A	
N. C.L.	Cord/cable used for test	it let let let let a	LEE TO	
R.4	Compliance	The Me And An	N/A	



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46 0		30.1 0.90 00 01 01		
in an		IEC 62368-1		
Clause	Requirement – Test	Mur. All A	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	N/A
Liter W	Samples, material:	المارية
A .	Wall thickness (mm):	<i></i>
all the	Conditioning (°C)	ic. 4
- WILLER	Test flame according to IEC 60695-11-5 with conditions as set out	N/A
`	- Material not consumed completely	N/A
mere i	- Material extinguishes within 30s	N/A
j+	- No burning of layer or wrapping tissue	N/A
S.2	Flammability test for fire enclosure and fire barrier integrity	N/A
	Samples, material:	Zet
m	Wall thickness (mm):	, m
JE*	Conditioning (°C)	t di
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
TEK OUT	Mounting of samples:	J16 -10
, d	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
aet .	Samples, material	154
10, 24,	Wall thickness (mm):	n, 70
EX JE	Conditioning (°C):	JEK
T Ju	MECHANICAL STRENGTH TESTS	N/A
T.1 (1 ^{EE}	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
WILL	Fall test	N/A
d	Swing test	N/A
T.7	Drop test:	N/A



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	IEC 62368-1	- " " " " " " " " " " " " " " " " " " "	I
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	a at at at	N/A
211	Number of particles counted	No such glass	N/A
T.11	Test for telescoping or rod antennas	at let let liet	N/A
- TEX	Torque value (Nm):	No such antennas provided within the equipment.	N/A
Usiles -	MECHANICAL STRENGTH OF CATHODE RAY T PROTECTION AGAINST THE EFFECTS OF IMPL		N/A
U.1	General	SLIEB MITE MILIE WILL	N/A
LIEK WALT	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	cet ciet nite anite ou	N/A
V	DETERMINATION OF ACCESSIBLE PARTS	711 721	N/A
V.1	Accessible parts of equipment	ALTER OLIFE WALTE WAL	N/A
V.1.1	General		N/A
V.1.2	Surfaces and openings tested with jointed test probes	Marie Marie	N/A
V.1.3	Openings tested with straight unjointed test probes	THE LIFE MINE MITTER.	N/A
V.1.4	Plugs, jacks, connectors tested with blunt probe	An an a	N/A
V.1.5	Slot openings tested with wedge probe	A STEEL WILLIAM WATER WA	N/A
V.1.6	Terminals tested with rigid test wire	10 10 1 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1	N/A
V.2	Accessible part criterion	alter white white white	N/A
X EX WAL	ALTERNATIVE METHOD FOR DETERMINING CLEARANCES FOR INSULATION IN CIRCUITS CONNECTED TO AN AC MAINS NOT EXCEEDING 420 V PEAK (300 V RMS)		N/A
EK NITES	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 An An An	N/A
Y.3	Resistance to corrosion	TEX STER OUTER WITE	N/A
Y.3	Resistance to corrosion	Mr. Mr. In	N/A
Y.3.1	Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by:	TEE WALTER WALTE WALTE	N/A
Y.3.2	Test apparatus	at left the title to	N/A
Y.3.3	Water – saturated sulphur dioxide atmosphere	Mrs. Mrs. Mr. An.	N/A
Y.3.4	Test procedure:	THE ART OF ST	N/A



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IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
21/2	THE THE T	TER WITE WITE SINE	The The	
Y.3.5	Compliance	7, 7	N/A	
Y.4	Gaskets	ALTER WALTER WALTER	N/A	
Y.4.1	General	14 4	N/A	
Y.4.2	Gasket tests	WILL MILL MILL A	N/A	
Y.4.3	Tensile strength and elongation tests		N/A	
de	Alternative test methods:	the write must my	N/A	
Y.4.4	Compression test	L St St St	N/A	
Y.4.5	Oil resistance	WALL WE WE	N/A	
Y.4.6	Securing means	at let let	N/A	
Y.5	Protection of equipment within an outdoor enclo	osure	N/A	
Y.5.1	General	et let let	N/A	
Y.5.2	Protection from moisture	her mer mer in	N/A	
MITE	Relevant tests of IEC 60529 or Y.5.3:	Et TEX STEX ST	N/A	
Y.5.3	Water spray test	Mr. Mr. M.	N/A	
Y.5.4	Protection from plants and vermin	Y TEN LIFER OUTER	N/A	
Y.5.5	Protection from excessive dust	'41 Au 21	N/A	
Y.5.5.1	General	At Mile	N/A	
Y.5.5.2	IP5X equipment	1 1	N/A	
Y.5.5.3	IP6X equipment	I'M MITE WALL WA	N/A	
Y.6	Mechanical strength of enclosures		N/A	
Y.6.1	General	The MALL WALL	N/A	
Y.6.2	Impact test:	- L 16	N/A	



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

ATTACHMENT TO TEST REPORT

IEC 62368-1

EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

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

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

Attachment Form No. EU_GD_IEC62368_1E

Attachment Originator: UL(Demko)

Master Attachment 2021-02-04

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	CENELEC COMMON MODIFICATIONS (EN)	The allie with mer are	Р
MUTEK W	Clause numbers in the cells that are shaded light grader 12020+A11:2020. All other clause num those in the paragraph below, refers to IEC 62368-Clauses, subclauses, notes, tables, figures and any those in IEC 62368-1:2018 are prefixed "Z".	bers in that column, except for 1:2018.	y Pr ynti yntifé
VILLE MU	Add the following annexes:	LET THE MILE OF	Р
	Annex ZA (normative)Normative references to intern corresponding European publications	national publications with their	
	Annex ZB (normative)Special national conditions	the Authority Authority Authority	
	Annex ZC (informative)A-deviations	x let tet tet ste	
en.	Annex ZD (informative)IEC and CENELEC code des	signations for flexible cords	do.
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 Pa² s. T $E = \int p(t)^2 \mathrm{d}t$	Tek whitek whitek whitek whi	N/A



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		IEC 62368-1	
Clause R	equirement – Test	Result – Remark	Verdict

Olddoc	Troquiloment Tool	Tresuit Tremain	Voluiot
The same	Mr. W. JER 25	the wife with other will	211
3.3.19.4	sound exposure level, SEL	t it it is	N/A
	logarithmic measure of sound exposure relative to a reference value, <i>Eo</i> , typically the 1 kHz threshold of hearing in humans.	moute moute most min	WALES .
	Note 1 to entry: SEL is measured as A-weighted levels in dB.	THE WALTE WHIT WALL	24 211
	$SEL = 10 \lg \left(\frac{E}{E_0}\right) dB$	ex uniter uniter uniter u	TE VINL
Wir V	Note 2 to entry: See B.4 of EN 50332-3:2017 for additional information.	MULTER WILL MULT WILL	y whitek
3.3.19.5	digital signal level relative to full scale, dBFS	no me me	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 WHITEK WHITEK WHITEK	WA TER WASTE
WALTER 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.	Whitek whitek whitek whi	EK WALTEK
2	Modification to Clause 10		N/A
10.6	Safeguards against acoustic energy sources		N/A
	Replace 10.6 of IEC 62368-1 with the following:		in in
10.6.1.1	Introduction	Not such equipment	N/A
whitek on street whitek on the same in the	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	A THE AN
	 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.). 	Mariet waite waited waited	ne whitek whitek his fek wh
	EXAMPLES Portable CD players, MP3 audio players, mobile	the let set .	LITE MITE
	phones with MP3 type features, PDAs or similar equipment.	with the war in	



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IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
- 2h-	NOTE 1 Protection against acoustic energy sources from	MILL WILL WILL	-1/1 - 1/1.	
	telecom applications is referenced to ITU-T P.360.	at at let	TEN STEE	
	NOTE 2 It is the intention of the Committee to allow the	MULTE WALL VALL	715 7	
	alternative methods for now, but to only use the dose measurement method as given in 10.6.5 in future. Therefore,	a at at	TEX STEX	
	manufacturers are encouraged to implement 10.6.5 as soon as possible.	STEEL MUTTE MUTTE MU	r. 24 24	
	Listening devices sold separately shall comply	at set set it		
	with the requirements of 10.6.6.	whi we me	40. 40.	
	These requirements are valid for music or video	L At At	TE TEK	
	mode only. The requirements do not apply to:	CLIEB WILL WALL	mr. mr.	
	– professional equipment;	A ST SET	TEN TEN	
	NOTE 3Professional equipment is equipment sold through	WHILE WHILE AND A	in my	
	special sales channels. All products sold through normal electronics stores are considered not to be professional	, L ,t	Et LET S	
	equipment.	TER MITE WAITE WAS	" " " "	
et let	- hearing aid equipment and other devices for	a st st si	t at all	
	assistive listening;	ex aller will write	wer are	
	 the following type of analogue personal music players: 	20, 20, 2	4 1	
	• long distance radio receiver (for example, a	TEN TEN STER	WILL MILL	
	multiband radio receiver or world band radio	With Mrs. Mrs.	21, 2,	
	receiver, an AM radio receiver), and	at the second	TEX LIER O	
	cassette player/recorder;	and make my	. 4 . W	
	NOTE 4 This exemption has been allowed because this	() ()	Et Et S	
	technology is falling out of use and it is expected that within a few years it will no longer exist. This exemption will not be	it with with white	The The	
	extended to other technologies.	211, 20, 1		
MILITA	- a player while connected to an external amplifier	THE STEE WITE	WALTE WALL	
	that does not allow the user to walk around while	The Mr. In	3	
	in use.	LET TEX TEX	ALTER MITE	
14 2.	For equipment that is clearly designed or intended	MUEL MUEL WALL A	n - 2, _	
	primarily for use by children, the limits of the	at at let .	TEX TEX N	
	relevant toy standards may apply.	LIE WALL WALL WA	21, 21,	
	The relevant requirements are given in	1 1 A A	y 18th 58	
	EN 71-1:2011, 4.20 and the related tests methods	it still mile white	any and	
10010	and measurement distances apply.	711. 21. 7	N1/6	
10.6.1.2	Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz	WITE WHITE WHITE	N/A	
	The amount of non-ionizing radiation is regulated	The state of	LEX JEH	
	by European Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of	ALTER WITE MALLE W	in the a	
	exposure of the general public to electromagnetic	10 10	st st	
	fields (0 Hz to 300 GHz).	CER STER STER ON	in all in the	
	For intentional radiators, ICNIRP guidelines should	me me m	30	
	be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and	t at at all	LIFE SLIFE	
	Electromagnetic Fields (up to 300 GHz). For hand-	MULL MULL MULL	211	
	held and body mounted devices, attention is	1 t st	TEX TEX	
1000	drawn to EN 50360 and EN 50566.	THE STEEL STEEL	Wer William	



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	Meg	IEC 62368	-1 NITE WILLE WILLE	min min
Cla	ause	Requirement – Test	Result – Remark	Verdict

10.6.2	Classification of devices without the capacity to estimate sound dose		N/A
IO.6.2.1 JUNITER JUNIT	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 $L_{Aeq, T}$, 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 $L_{Aeq, T}$) 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, T becomes the duration of the song. NOTE Classical music, acoustic music and broadcast typically has an average sound pressure (long term $L_{Aeq, T}$) 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 N/A N/A N/A N/A N/A N/A N/A
10.6.2.2 JUNET WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER	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 LAeq, ⊤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 per 10.6.3.2.	JUNITER WHITER W	EX N/A ITEX INTER IN



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IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
ale.	M. M. The The	all of the state of the	me and	
10.6.2.3	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 LAeq, T 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 interface) when playing the fixed "programme simulation noise" as described in EN 50332-1.	JULIER WHITER WH		
10.6.2.4	RS3 limits RS3 is a class 3 acoustic energy source that exceeds RS2 limits.	Whitek whitek whitek	IN/A	
10.6.3	Classification of devices (new)	at a set	N/A	
10.6.3.1	General 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	Not such equipment	N/A	

Commission Decision of 23 June 2009, are given below. 10.6.3.2 N/A RS1 limits (new) 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, τ 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 simulation noise" described in EN 50332-1. 10.6.3.3 N/A RS2 limits (new) RS2 is a class 2 acoustic energy source that does not exceed the following: for equipment provided as a package (player)



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	IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict	
MALIER WALLER	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 weekly sound exposure level, as described in EN 50332-3, 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 level, integrated over one week, as described in EN50332-3, shall be ≤ 15 mV (analogue interface) or -30 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN50332-1.	THE WALLEY WALLE	NATER WALTER MALTER MALTER	
10.6.4	Requirements for maximum sound exposure	The Muth May May	N/A	
10.6.4.1	Measurement methods All volume controls shall be turned to maximum during tests. Measurements shall be made in accordance with EN 50332-1 or EN 50332-2 as applicable.	Not such equipment	N/A	
10.6.4.2	Protection of persons	at July a	P	
EK WALTE	Except as given below, protection requirements for parts accessible to ordinary persons, instructed persons and skilled persons are given in 4.3.	it white white	t whilet whi	
	NOTE 1 Volume control is not considered a safeguard.	White White White	Mur. Mur.	
	Between RS2 and an ordinary person , the basic safeguard may be replaced by an instructional safeguard in accordance with Clause F.5, except that the instructional safeguard shall be placed on the equipment, or on the packaging, or in the instruction manual. Alternatively, the instructional safeguard may be given through the equipment display during use.	united whited whited whited	EX WITEX WITEX	
	The elements of the instructional safeguard shall be as follows:	WALLEY WHITEK WHITEK	UNLIER WALTER	
	- element 1a: the symbol , IEC 60417-6044 (2011-01) - element 2: "High sound pressure" or equivalent wording - element 3: "Hearing damage risk" or equivalent wording - element 4: "Do not listen at high volume levels	Mitek whitek whitek white Jek whitek whitek white Liek wifek wifek	TEK MITEK MA	
	for long periods." or equivalent wording	24, 24, 20,		



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	IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
ale.	Let an analism an arrange to an DOO account with and	" WILL MULL MULL	11/2 111
	of an ordinary person to an RS2 source without	7	14 1th
	intentional physical action from the ordinary	TEX ITEX SITE	Will Will
	person and shall automatically return to an output	They were the s	2
	level not exceeding what is specified for an RS1 source when the power is switched off.		14 18th
	Source when the power is switched on.	TEX STEE SLIPE MY	1 July 20
	The equipment shall provide a means to actively	in my my	
	inform the user of the increased sound level when	1 1 1 1 1	
	the equipment is operated with an output	ER SLIFE WILL WALL	The The
	exceeding RS1. Any means used shall be	211. 25. 2	
	acknowledged by the user before activating a	L A A A	JE JIE
	mode of operation which allows for an output	WITH WALL WALL	ar ar
	exceeding RS1. The acknowledgement does not	20	4
	need to be repeated more than once every 20 h of	at at set	LITE WITE
	cumulative listening time.	WILL MUT, MUT, MI	20,
	NOTE OF THE CALL OF THE		at at
	NOTE 2 Examples of means include visual or audible signals. Action from the user is always needed.	TEN TEN LIFE OUT	and an
	a st set the other out of	" Aller Aller All	20
	NOTE 3 The 20 h listening time is the accumulative listening	1 1 1 1	- A - 5
	time, independent of how often and how long the personal music player has been switched off.	of the other wife	The Mrs.
	music player has been switched on.	211, 21, 21,	
	A skilled person shall not be unintentionally exposed to RS3.	TEX LIEX SLITER	INLIER WALTER
10.6.5	Requirements for dose-based systems	Mr. Mr. S.	N/A
10.6.5.1	General requirements	Not such equipment	N/A
	Personal music players shall give the warnings as	7 771 72	
	provided below when tested according to EN		the state of
	50332-3, using the limits from this clause.	the site with while	The Mr.
	Like the the the way while and	20, 20, 3	
	The manufacturer may offer optional settings to	L St. Set Set	LIFE SLIFE
	allow the users to modify when and how they wish	MITE WALL WALL	21/2 211
	to receive the notifications and warnings to	20.	A St
	promote a better user experience without	LET THE THE	LIFE WITE
	defeating the safeguards. This allows the users to	with the war is	
	be informed in a method that best meets their		et let
	physical capabilities and device usage needs. If	TEX JEX JE N	STATE OF
	such optional settings are offered, an administrator	in the the the	
	(for example, parental restrictions,		- 4 5
	business/educational administrators, etc.) shall be	the little still will.	The The
	able to lock any optional settings into a specific configuration.	21/2 211 22	
	Soringulation.	at the text	LIE LIE
	The personal music player shall be supplied with	WILL WILL WALL	41, 41,
	easy to understand explanation to the user of the	20, 2,	A 15
	dose management system, the risks involved, and	Let the the	LIE MILLE
	how to use the system safely. The user shall be	WILL MUT MUT AND	30, 0
	made aware that other sources may significantly		*
	contribute to their sound exposure, for example	CEP TER TER ST	110
	work, transportation, concerts, clubs, cinema, car	, we me m.	10
	races, etc.		- C + C
0.6.5.2	Dose-based warning and requirements	ality will write	N/A
10.0.3.2		711 THE ST.	
10.0.5.2	When a dose of 100 % CSD is reached, and at	24, 25, 2,	at at
0.0.3.2	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	THE THE LIE	NLTEK MALTER



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IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
The.	Tarlanda da caracte la caracte da caracte da caracte	The state with all the	11/2 211	
	acknowledgement. In case the user does not acknowledge, the output level shall automatically decrease to compliance with class RS1.	MUTER WHITER WHITER	NITEK WILLEK	
itek wai	The warning shall at least clearly indicate that listening above 100 % CSD leads to the risk of hearing damage or loss.	LIEK WHITEK WHITEK WH	TEX WITEX W	
0.6.5.3	Exposure-based requirements	EX JEX JEX NIE	N/A	
	With only dose-based requirements, cause and effect could be far separated in time, defying the purpose of educating users about safe listening practice. In addition to dose-based requirements, a PMP shall therefore also put a limit to the short-term sound level a user can listen at. The exposure-based limiter (EL) shall automatically reduce the sound level not to exceed 100 dB(A) or 150 mV integrated over the past 180 s, based on methodology defined in EN 50332-3. The EL settling time (time from starting level	JUNITER WHITER WHITER WEITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER	ounties ounties	
	reduction to reaching target output) shall be 10 s or faster.	MILER WILLER WHILER	INLIEK WALTER	
	Test of EL functionality is conducted according to EN 50332-3, using the limits from this clause. For equipment provided as a package (player with its listening device), the level integrated over 180 s shall be 100 dB or lower. For equipment provided with a standardized connector, the unweighted level integrated over 180 s shall be no more than 150 mV for an analogue interface and no more than -10 dBFS for a digital interface.	THE WALLEY WALLEY	MUTE MUTE	
INLIEK ON	NOTE In case the source is known not to be music (or test signal), the EL may be disabled.	THE THE STEEL	NITER WALTER	
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 listening device, and with the volume and sound settings in the listening 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, the input voltage of the listening device when playing the fixed "programme simulation noise" as described in EN 50332-1 shall be ≥ 75 mV. NOTE The values of 94 dB and 75 mV correspond with 85 dB and 27 mV or 100 dB and 150 mV.	A JUNITER WHITER	whitek whitek	
0.6.6.2	Corded listening devices with digital input		N/A	
UNLITER W	With any playing device playing the fixed "programme simulation noise" described in EN 50332-1, and with the volume and sound settings in the listening device (for example, built-in volume	White white white	MILLER MALTER	



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leve equiposi outp devi 10 co 10.6.6.3 Cor In co — wi the in EN in the indexided set in the inmer	vel control, additional sound features like ualization, etc.) set to the combination of	Result – Remark	Verdict
equiposi outp devi 10 c 10.6.6.3 Cor In co — wi the i EN i — re whe spec — wi devi addi set i the i mer		White white whi	The Au
	sitions that maximize the measured acoustic tput, the <i>L</i> Aeq, <i>τ</i> acoustic output of the listening vice shall be ≤ 100 dB with an input signal of - dBFS. Prdless listening devices cordless mode, with any playing and transmitting device playing a fixed programme simulation noise described in \$1.50332-1\$; and respecting the cordless transmission standards, here an air interface standard exists that ecifies the equivalent acoustic level; and with volume and sound settings in the receiving vice (for example, built-in volume level control, ditional sound features like equalization, etc.) It to the combination of positions that maximize a measured acoustic output for the above entioned programme simulation noise, the <i>L</i> Aeq, <i>τ</i>	JUNITER WHITE WHITER WAS	N/A
100 10.6.6.4 Mea	oustic output of the listening device shall be ≤ 0 dB with an input signal of -10 dBFS. easurement method easurements shall be made in accordance with	WALLEY MULLEY WALLEY	N/A
	V 50332-2 as applicable.	the filth o	P



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46		20 . r al a . r		
21/2		IEC 62368-1		in the
Clause	Requirement – Test	The Apr 10	Result – Remark	Verdict

	lis		country note	s in the rete	erence docume	nt according	to the following	نامان
	115	0.2.1	Note 1 and 2	1	Note 4 and 5	3.3.8.1	Note 2	
	· .	3.3.8.3	Note 1	4.1.15	Note	4.7.3	Note 1 and 2	NET "
	E# .W	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	E.F.
		5.4.2.3.2.4	Note 2	5.4.2.5	Note 2	5.4.5.1	Note	
	411.	Table 13						24
	NET EX	5.4.10.2.1	Note	5.4.10.2.2	Note	5.4.10.2.3	Note	تامان
	TEK	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3 and 4	II E.W
	, n	5.6.8	Note 2	5.7.6	Note	5.7.7.1	Note 1 and Note 2	st.
		8.5.4.2.3	Note	10.2.1	Note 3 and 4	10.5.3	Note 2	
	aller.			Table 39	and 5			21/2
	LITE	10.6.1	Note 3	F.3.3.6	Note 3	Y.4.1	Note	ار ماران
	_t	Y.4.5	Note				2	ا مادر
In S	10				45 AV	, 1° .	1/10 m	
	М	odification	to Clause 1					
, ·	No ele		ving note: e of certain substa ent is restricted w			Mriter Mix	er white white	<i>1</i> 1
		odification	to 4 71					



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Later Must	Mr. Mar. Mr.	IEC 62368-1	ITE NITE WALTER WA	LE MULLE MILLS
Clause	Requirement – Test	rie Muri Mus Ma	Result – Remark	Verdict

4.Z1	Add the following new subclause after 4.9:	Not directly connected to the	N/A
AND TEX WAS LIEN WASTER WAST	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	mains In the transfer white trans	INA INTER INTE
iek water	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. Modification to 5.4.2.3.2.4	the still writer with	N/A
	V 10 10	I	
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



N/A

N/A

Ρ

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For RS1, the dose-rate shall not exceed 1 μ Sv/h

NOTE Z2 These values appear in Directive 96/29/Euratom of

NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in Annex ZD.

taking account of the background level.

13 May 1996.

G.7.1

10

Modification to G.7.1

Add the following note:

Modification to Bibliography

IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
Selection .	The the the the	THE MET WITH	The Man	
10.5.1	Add the following after the first paragraph:	24, 25,	N/A	
	For RS 1 compliance is checked by measurement under the following conditions:	MILIER WALTER WALTER	aurite aurit 1	
	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.	LITER WHITER WHITER WHITER	LITER WALTER WALTER	
	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.	MALIER WALTER WALTER V	incites white w	
	The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm ² , at any point 10 cm from the outer surface of the apparatus.	TEX WILLEY WILLEY WI	TER WALTER WALTER	
	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.	Whitek whitek whitek	Whitek Whitek	



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

21/2 1	The state of the s	the state was the sales	20, 1
LEF .	Add the following notes for the standards indicated	The The Table	P
WALLEY WALTER WALTER WALTER WALTER WALTER WALTER WALTER	IEC 60130-9 IEC 60269-2 IEC 60309-1 IEC 60364 IEC 60864-5 IEC 60684-5 IEC 61558-2-1 IEC 61558-2-6 IEC 61643-311 IEC 61643-321 IEC 61643-331	69-2. 09-1. in HD 384/HD 60364 series. 01-2-4. 64-5. 32:1998 (not modified). 08-1. 68-2-1. 68-2-4. 58-2-6. 43-1. 43-311.	ant which was the suntified who is the suntified wh
11	ADDITION OF ANNEXES	<u></u>	Р
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)	Р
4.1.15 WALLER WA	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"	Not directly connected to the mains	
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	TEX WHITEK WHITEK WHITEK WHITEK	N/A



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- Chris	me we in m	IEC 62368-1	ITET NITES INCIES IN	in mil
Clause	Requirement – Test	mure me m	Result – Remark	Verdict

5.2.2.2	Denmark	No high touch current	N/A
	After the 2nd paragraph add the following:	measured.	Will's
	and the little of the original of the state	mr. m. m. m.	
	A warning (marking safeguard) for high touch	I St. St. SEX SEX	TEL .
	current is required if the touch current exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	THE MULL MULL MULL	21/2 21
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:	id white white white	
	For separation of the telecommunication network from earth the following is applicable:	White white white wh	it white
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	Writer Write Mary Mary	TEX
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	THE MALL MALL WALL	7134 - 179 - 179
	one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	White while while whi	iek mutek
	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	ar white white	t patest s
	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	White white white	May Marie
	 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), 	UNLIER WALTER WALTER WALTER	WHIEK W
	and	at the that which	NI EK SINI
	is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5 kV.	MULTER MULTER MULTER MIN	TEN MALTER
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	NUTER MALTER MALTER MALTE	* VALTER V
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	THE WALTER WALTER WALTER.	on it on
	the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3	TEX TEX WILE WI	EX MILEX



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IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
- WEX	testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;	white mit with	WAL ALL	
	the additional testing shall be performed on all the test specimens as described in EN 60384-14;	antifek whitek whitek wh	neit whitek wh	
iek _{UN} tie	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 MULTER MULTER MULTE	Ant Ex white	
5.5.2.1	Norway	TEX LIEX SLIER	N/A	
	After the 3rd paragraph the following is added:	Mr. Mr. M.	, L	
	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	MILLER MILITER MILITER M	ek tek v	
5.5.6	Finland, Norway and Sweden	No such resistors.	N/A	
	To the end of the subclause the following is added:	et whilet writes writes	WILLEY WILLEY	
	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.	whitek whitek whitek	MITER WATER	
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:	THE WALTER WALTER WALTER	waite waited	
	In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	UNITER WHITER WALTER W	NUTER MALTE V	
5.6.4.2.1	Ireland and United Kingdom	at the state of	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	et stret outex water	MULTER WALTE	
	mains plug.	21, 2,	N EX	
5.6.4.2.1	France	LIE KLIE WILL	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 20 A instead of 16 A.	WILLER MUTTER MUTTER MU	itek ontek on	
5.6.5.1	To the second paragraph the following is added:	THE WILL WALL MAIN	N/A	
et waltest	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.	AND TEX WALTER WALTER	MILITY MILES	



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40 00		35.1 2.91 21 21 21		
in an		IEC 62368-1		
Clause	Requirement – Test	MUT. THE THE	Result – Remark	Verdict

- California	THE THE STREET	THE WALL WALL WALL	an.
5.6.8	Norway	" 1 t st	P
MUTT. A	To the end of the subclause the following is added:	WALTER WALTER WALTER WALTER	Why W
	Equipment connected with an earthed mains plug is classified as class I equipment . See the	THE THE STEE STEEL	NITEK NALT
iek antie	Norway marking requirement in 4.1.15. The symbol IEC 60417-6092, as specified in F.3.6.2, is accepted.	et let rich willy m	ek waite
5.7.6	Denmark	me m m	Р
	To the end of the subclause the following is added:	Whitek Whitek Whitek White	WALTE
MVIIEE M	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.	Mitel Walter Walter Walter	unite un
5.7.6.2	Denmark	TELL STEEK STEEK SINTIES ON	Pur
	To the end of the subclause the following is added:	with an art left of	et Jet
	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.	Muliter white white white	WA.
5.7.7.1	Norway and Sweden	Not such system.	N/A
INLIEK JIP SEK JIPLIK SUNLIEK	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. Therefore the protective earthing of the building installation needs to be isolated from the screen of a cable distribution system.	TEX TEX LIEX WITEX	PLIEX WALTER WALTER WALTER
	external to the equipment by an adapter or an interconnection cable with galvanic isolator, which may be provided by a retailer, for example.	TEX MITER MITER MITER M	LIEN
ek walter Walter	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:	A MUTER MUTER MUTER MUTER	entites
Mriter on	"Apparatus connected to the protective earthing of the building installation through the mains connection or through other apparatus with a	WILL MILER WHITER WHITER	INLIEK WAS
TEX WALTE	connection to protective earthing – and to a television distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a television distribution system therefore has to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator,	TEX WALTER WALTER WALTER WALTE	TEK WALTER
WALTER	see EN 60728-11)" NOTE In Norway, due to regulation for CATV-installations, and	WALTER WALTER WALTER	WATE M



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IEC 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict		
aris a	ar an ar the the	THE OUT WILL WAS	211		
MUTIEK 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.	WIFE WILLER WILLER	MULTER.		
	Translation to Norwegian (the Swedish text will also be accepted in Norway):	LIER WILER WHITER	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."	Whitek multer whitek whi	E WALTER		
	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."	TEX WHITE WHITEX WHITEX WHITEX WAS	n itek omi		
3.5.4.2.3	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 surface of the surface of	WALTER W		
3.3.1 and	Ireland and United Kingdom	Not directly connected to the	N/A		
B.4 Nich was	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 TEX WILLEY WILLEY WILLEY WHITE WILLEY WILLEY WHITE WILL WHITE	SUPLIFIER OF STEER		
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 60884.3 D1:2011	mains	WIEX WI		
WALTER WA	with a plug according to DS 60884-2-D1:2011. 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	t whitek whitek whitek whi	TEX WALTER		



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		_ 21, _ 21, _ 2,	
Clause	Requirement – Test	Result – Remark	Verdict
" The	Mr. A. TER ST	The Will Mar Mar	3/1
	rules shall be provided with a plug in accordance	20, 2	45.4
	with standard sheet DK 2-1a or DK 2-5a.	LEST TEXT LITER NATE	The state of the s
	If a single phase equipment having a DATED	were the me	20,
	If a single-phase equipment having a RATED	* * *	154
	CURRENT exceeding 13 A or if a polyphase equipment is provided with a supply cord with a	TEX TEX LIFE WITH	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	plug, this plug shall be in accordance with the	er and an an	
	standard sheets DK 6-1a in DS 60884-2-D1 or EN	and the second	16th 1
	60309-2.	ER SLIFE WITE WALL WI	10
	at let get get after all whit whi	111 100 2	
	Mains socket outlets intended for providing power	at let let is	E COL
	to Class II apparatus with a rated current of 2,5 A	while were were and	20.
	shall be in accordance DS 60884-2-D1:2011	200	
	standard sheet DKA 1-4a.	THE THE THE STEE	Wry .
		her mer me m	
	Other current rating socket outlets shall be in	1 1 1	18th
	compliance with Standard Sheet DKA 1-3a or DKA 1-1c.	THE STATE STATE WITH	11, 01
	OF DICK 1-10.	242 24 20	
	Mains socket-outlets with earth shall be in	L A A A A.	of the sale
	compliance with DS 60884-2-D1:2011	is alle will and	20
	Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-	70, 20	L 24
	5a or DK 1-7a	LEX TEX STER STEE	The state of
	" The state of the	ares are any	20,
	Justification:	1 1 1 th	100
	Heavy Current Regulations, Section 6c	THE MALL	212 1
G.4.2	United Kingdom	Not directly connected to the	N/A
	To the end of the subclause the following is	mains	N. W.
	added:	in the man in a	1. 20.
	TEX TEX TIPE WITH MULTURE AND AND AND	1	d 1
	The plug part of direct plug-in equipment shall be	- The ties with the	on the
	assessed to BS 1363: Part 1, 12.1, 12.2, 12.3,	The Mr. M. In.	
	12.9, 12.11, 12.12, 12.13, 12.16, and 12.17,		FILE
	except that the test of 12.17 is performed at not	LIFE NITE MITE WILL	Olle
	less than 125 °C. Where the metal earth pin is	14 14 20 20	
	replaced by an Insulated Shutter Opening Device	at at let let	LIE
	(ISOD), the requirements of clauses 22.2 and 23 also apply.	LIE WILL WALL MAR	21, 21,
G.7.1	United Kingdom		N/A
Whi.	To the first paragraph the following is added:	it alies alies and	in and
	. S and mor paragraph and following to added.	20, 20, 2,	.4 .24
	Equipment which is fitted with a flexible cable or	at the the	E CLIE
	cord and is designed to be connected to a mains	with whis who was	271.
	socket conforming to BS 1363 by means of that	200	1
	flexible cable or cord shall be fitted with a	THE THE LIER LIFE	100
	'standard plug' in accordance with the Plugs and	her mer me m	,
	Sockets etc. (Safety) Regulations 1994, Statutory	· · · · · · · · · · · · · · · · · · ·	(E)
	Instrument 1994 No. 1768, unless exempted by	THE LIFE WITH MITHER	14. Th
	those regulations.	24. 24. 25. 3	
	NOTE "Standard plug" is defined in SI 1768:1994 and	L A A A A	16 JU
	essentially means an approved plug conforming to BS 1363 or	" WILL WILL WITH MY	211.
	an approved conversion plug.	(I)	



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The Maria	Mr. Mr. All Mr.	IEC 62368-1	TEX NITER WILLER	Til Muril Miles
Clause	Requirement – Test	AND THE THE	Result – Remark	Verdict

G.7.1	Ireland		N/A
	To the first paragraph the following is added:	MITER WHITER WHITE WHITE	MULLE
LIFEK WIN	Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in accordance with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use Regulations: 1997. S.I. 525 provides for the recognition of a standard of another Member State which is equivalent to the relevant Irish Standard	TEK WILLER WALLER WILLER WILLER WILLER WILLER WILLER	ALTEK UN EK UNL UNL
G.7.2	Ireland and United Kingdom	THE MALTE WALL WALL	N/A
	To the first paragraph the following is added:	in the state of	TEX
uner av Tek aet	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.	Writes Multer Aurist Aurist	TEX OF
ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)	is any any and an	N/A
10.5.2	Germany	No CRT within the equipment.	N/A
	The following requirement applies:	The sure se	1
	For the operation of any cathode ray tube intended	LIER STER WITER WITE	MALIL
	for the display of visual images operating at an acceleration voltage exceeding 40 kV,	We My My	*
	authorization is required, or application of type approval (Bauartzulassung) and marking.	At Maliet Walter A	NLTE V
	Justification:	E TE LIFE NIET ON	ie. ani
	German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive	THE WILL WITH WATER	MULTE
	96/29/EURATOM.	m m	24
	NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-38116 Braunschweig, Tel.: Int+49-531-592-6320, Internet: http://www.ptb.de	UNLIES WALTER WALTER WALTER	MULTE



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The survive	All The All	IEC 62368-1	LIEN WITER WALTER	Write Muril Mirry
Clause	Requirement – Test	ALLE ALE ALE	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	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	t	H05Z1Z1-F H05Z1Z1H2-



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Lange Musica	Mrs. Mrs. All.	IEC 62368-1	LIET WITE WALTER W	The Maria Maria
Clause	Requirement – Test	in min in	Result – Remark	Verdict

5.2	TABLE: Classification	on of electrical er	nergy sourc	es	4	* 1.t	N/A
Supply	Location (e.g. circuit			Parameters			
Voltage	designation)		U (V)	I (mA)	Type ¹⁾	Additional Info ²⁾	Class
LET LET	5VDC Input circuit	Normal	5.0VDC	<i>y</i>	SS	DC	ES3
5VDC		Abnormal	STEEL S	LIER WILLE	JULI 7,	in Alle	7/1/2
. Whitek	LIFE WALTER WALTER	Single fault – SC/OC	70 - 20 - 20	et UET	STEK NY	EK TEK	MALTEK.
	at let tet stet	Normal	4.2VDC	111, 21	SS	DC	ES1
4.2VDC	Earbud battery	Abnormal	CENT CENT	alife mi	17.17	11/11/11/11/11/11/11/11/11/11/11/11/11/	ry M
LIEK MALTE	MILLER WATER WATER	Single fault – SC/OC	all all a	764 JE	LIEK	nlifett anli	ek wali
1 ×	at at at	Normal	4.2VDC	Vr71/2	SS	DC	ES1
4.2VDC	Charging box	Abnormal	# .	CENT TIET	NITE OF	Lie Julie	MILLE
RLIEK N	battery	Single fault – SC/OC	ang - an	+ 18th .	 	ek Slifek	INLIEK N

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

TABLE: Working	voltage measui	rement		N/A
	RMS voltage (V)	Peak voltage (V)	Frequency (Hz)	Comments
White Whi	"NUT - 1011	- J	18t 18t	LIER WILE WILL WA
at let	TEX -TEX	Will Mary	ne -ne	411 411 -
ntary information:				
	Whit whi	RMS voltage (V)	(V) (V)	RMS voltage (V) Peak voltage (Hz)

5.4.1.10.2 TABLE: Vicat softening temperature of thermoplastics				
Method		: ISO 306 / B50	IEK NITER -	
Object/ Part No./Material	Manufacturer/trademark	Thickness (mm)	T softening (°C)	
it will will will the	1 - A A	THE THE WIFE	MILIE WHILE WI	
Supplementary information:				
Supplementary information:	X 10 XV		(1 K)	

5.4.1.10.3	TABLE: Ball pressure test of thermoplastics	N/A
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The Mail	Mr. Mer Alle	IEC 62368-1	itet nitet mitet uni	in Min Min
Clause	Requirement – Test	Hiter Murit Must Am	Result – Remark	Verdict

Allowed impression diame	eter (mm)	: ≤ 2 mm						
Object/Part No./Material	Manufacturer/trademark	Thickness (mm)	Test temperature (°C)	Impression diameter (mm)				
The Mary Mary My	_ M_ M_	TEX JEX	NITER INLIER NO	The Moral Mus				
Supplementary information:								
in the the the	20 20	Lit Lit .	THE STEE WIT	anti mi				

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)
	20th	JEX.	NITE.	1717 1711	410	17/2	20 2	-

Supplementary information:

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

5.4.4.2	TABLE: Minimun	ΓABLE: Minimum distance through insulation					
Distance through insulation (DTI) at/of		Peak voltage (V) Insulation		Required DTI (mm)	Measured DTI (mm)		
THE WALL	10 10	7 A W A	APAF	CINITE MAI	Mr. Mr.		
Supplemen	tary information:						
*See also s	ub-clause 5.4.4.9	, A Set	TEL TEL SITE	MILTER WALTE	MUT, MUT		

5.4.4.9 TABLE: Solid insulation at frequencies >30 kHz								
Insulation	material	E₽	Frequency (kHz)	K _R	Thickness d (mm)	Insulation	V _{PW} (Vpk)	
\overline{a} a	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(#	TER INLIE	The will	- we .	11. 11.	- "	
Supplementary information:								
		LEX IN	the matter of	WELL WILL	m. n	200		

5.4.9	TABLE: Electric strength tests	TER WILL MUTE AND	1 245 AV	N/A
Test voltage applied between:		Voltage shape (Surge, Impulse, AC, DC, etc.)	Test voltage (V)	Breakdown Yes / No
Functional:	Mr. M. M.	TEK TEK TEK	WILL WILL WILL	in they me
-d .d	F ITEK SLIFER MILLER WILL	A The August Aug		- At A
Basic/supp	lementary:	TER STEP STEP O	NITER MALIE WALL	Mr. Mr.
+ 14	LIER NITER WILL W	- m - m -		TEX- TEX
Reinforced		ick lifet aliet and	in while their	The Mr.
- 15	LIER OLIER WILLE WALLE WAS	Mr	tt	TEX TEX
Routine Te	sts:	- Life Wife Wife	With Mer M	211 21

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CICICIOCINO WIII ZODOO 121 020 1	1 490 00 01 01

21/2	The state of the s	2368-1	211
Clause	Requirement – Test	Result – Remark	Verdict
- ^{CA}	the text text with with		Ch 20
Suppleme	entary information:		
, (LEK TEK TIER STEE WITH M	The The state of	et.

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		
2012 701	12		Normal	NALL WALL	me m	. 177		
MUTER MULL	ik white	Mulie Will a	Single fault: SC/ OC	ALTER MITER	MULTER WILL	ek untiek un		

Supplementary information:

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

5.6.6 TABLE: Resistance of	protective condu	ctors and terminati	ons	N/A				
Location	Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)				
	IF WILL	7 2	10 20	J				
Supplementary information:								
the set set	LIFE WALL W	vr. av. av.	20. 2.	4 2+				

5.7.4	TABLI	E: Unearthed acces	ssible parts				N/A
Location		Operating and	Supply	ſ	Parameters		ES class
		fault conditions	Voltage (V)	Voltage (V _{rms} or V _{pk})	Current (A _{rms} or A _{pk})	Freq. (Hz)	
L/N to secondary terminals		Normal	A - 511	TIEF STEE	White Tally	12 M	
		Abnormal: overload	27° - 21°	The The	LIEK ALLEK AN	LIEW - MINI	EK LTE WALTE
		Single fault: SC/ OC	E. M.T. M	or with the	* 16 5	t TIE	MITEK
Supplement	ary info	ormation:					
SC= short c	ircuit: (C= open circuit	20. 0.			100	J

5.7.5 TABLE: Earthed accessible conductive part						
Supply voltage (V)	-EX TEX TEX STEE STILL MALL WALL WAS			_		
Phase(s)	[] Single Phase; [] Three Phase: [] Delta [] Wye					
Power Distribution System	[]TN /[]TT /[]IT /					
Location	Fault Condition No in IEC 60990 clause 6.2.2	Touch current (mA)	Comme	nt		



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		IEC 62368-	1 nite mile walk	
Clause	Requirement – Test	Mr. M.	Result – Remark	Verdict
**	et tet tet at	WELEK AUTE M	The state of the s	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~
Metal enclosure		neutral open	0.024	ES1
Suppleme	entary Information:			

ES Class	T			TABLE: Backfeed safeguard in battery backed up supplies											
	Open-circuit Touch voltage (V) current (A)		Time (s)	Operating and fault condition			Location								
1/12	mr - m	NITE -NILL	ER STEEL	Jr Jr. J	2	11 14	-11/2 11								
Supplementary information:															
Supplementary information:															

6.2.2	TAI	BLE: Power sourc	e circuit classif	ications	Willes of	LIE MALL	all Pill
Location	·	Operating and fault condition	Voltage (V)	Current (A)	Max. Power ¹⁾ (W)	Time (S)	PS class
5V Input c	ircuit	Pin + to -	17. 110, 1	2.	.L	5S	PS1
Earbud ba	ttery	Output pin + to -	3.7	0.52	1.93	5S	PS1
Charging battery		Output pin + to -	3.7	0.31	1.15	5S 55	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.

* Unit shutdown immediately, recoverable, no hazard.

6.2.3.1	TABLE: Determ	ination of Arcing PIS	is me me	14, 14,	N/A	
Location		Open circuit voltage after 3 s (Vpk)	Measured r.m.s current (A)	Calculated value	Arcing PIS? Yes / No	
76× 15	EX CLIEN MITE	Mr. Mr. M.	- 4	Jr Jr J	ik (1 ⁶⁶ k (17	
Supplemen	ntary information:					
Et JET	ALTE MITE W	Tr. Mur. M.	4	at at at	TER STER	

6.2.3.2									
Location		Operating and fault condition	Dissipate power (W)	Arcing PIS? Yes / No					
All primary circuits/com	ponents	Who set the state	MITER WATER WATER ON	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



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The Music	All Alexander	IEC 62368-1	LIET MLIET WALLEN	Vice Mail My
Clause	Requirement – Test	The Maria Maria	Result – Remark	Verdict

30 s after introduction of the fault.

8.5.5	TABLE: High	pressure lamp	TITER WHILL MALL	ex with min my my my					
Lamp man	ufacturer	Lamp type	Explosion method	Longest axis of glass particle (mm)	Particle found beyond 1 m Yes / No				
The same	11/2 14/2	4-	y TER STER WI	MALI WALL	Mr Mr.				
Supplemen	ntary information	:	•						
Mr. 1	n in .	a	THE CHE LIFE	WITE WALL	The The A				

9.6 TABL	E: Temper	ature mea	suremen	ts for wirel	ess power	transmitte	ers	N/A	
Supply voltage (V)			m	r. Mr.	20, .	la constant	4 2	_	
Max. transmit pow	er of transn	nitter (W)		t liet	CLIFE ST	Liter MILITE	White	_	
						with receiver and at distance of 2 mm		with receiver and at distance of 5 mm	
Foreign objects	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	
	J J.		100 to 10	1 - Wil	100	21/2 2	-20		
Supplementary info	ormation:								
	AYA		TE JAL		- 4	100		4	

5.4.1.4, 9.3, B.1.5, B.2.6	TABLE: Temp	perature m	easureme	ents	WEX 2	TEK TIEK	WITEK SI	P
Supply volta	age (V)		:	JO (17)	2)	10,		_
Ambient ter	nperature durin	(°C):	25.0	25.0	y NIET	ulie - uni	_	
Maximum n	neasured tempe	part/at:		Т	(°C)		Allowed T _{max} (°C)	
Surface of E	arbud battery	(Et	TEX S	37.4	31.3	m -m	777	45
Surface of 0	Charging box ba	ttery		31.7	27.9	512 -518	N. C. E. E.	45
Internal wire	et let	30.0	27.7	L 777	2,	80		
Internal enc	losure of Earbu	d		29.2	29.4	IEK KLITER	WITE W	Ref.
External en	closure of Earbu	ıd	ME	28.9	27.8	20		77
Internal enc	losure of Charg	ing box	, E.F.	35.5	27.5	WITE OF	VILL SOUTH	Ref.
External en	closure of Char	ging box	anor 1	32.4	27.1	·	, t - , et	
Botton	24, 24		LEXT.	25.0	25.0	mile -ni	N-T-	77
Temperatur winding:	e T of	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	R ₂ (Ω)	T (°C)	Allowed T _{max} (°C)	Insulation class
- 4	et set	18t- J	TI LI	71/2 1	V 71	70,	7 -	4 1
Supplement								



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Ś	The Maria	IEC 62368-1	LIET WHITE WHITE WALLE	in the
	Clause	Requirement – Test	Result – Remark	Verdict

* 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

B.2.5	TABLE: Input test								
U (V)	J (V) Hz I (A		I (A) I rated (A)		P rated (W)	Fuse No	I fuse (A)	Condition/status	
5VDC	417	0.19	0.2	0.95	WALTER	White.	WALTE	Powered by 5VDC with empty battery(at battery charging mode)	
4.2VDC	, I	0.21	EK TEK	0.89	antiget .	yn ^{litek} .	JN1.TE# ∪	Charging box battery (Discharging mode with fully charged battery)	

Supplementary information:

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

B.3, B.4 TA	ABLE: Abnor	mal operatin	g and fau	It condit	ion tests	TEK TEK	P	
Ambient temp	erature T _{amb} (°	C)			: See b	pelow	_	
Power source	for EUT: Man	ufacturer, mo	del/type, d	outputrati	ng:	THE LIEF	_	
Component No.	Condition	Supply voltage (V)	Test time	Fuse no.	Fuse current (A)	Observation	n	
Speaker	SC	4.2	30min	NITE V	0.019	Speaker no voice, no damage,r hazard.		
Powered by 5'	VDC with emp	ty battery(at l	oattery ch	arging mo	ode)	WILL WALL WALL	21/2 21	
B+ to P-	SC	5VDC	7h	* 'E)	0.12	Unit normal working, no damaged, No hazard.		
Capacitance	SC	5VDC	10mins	Mur.	0.01	Unit shut down, no damaged, N		
Powered by Li	-ion Battery ([Discharging m	ode with	fully char	ged battery)	21/2 21/2 21/2	t	
B+ to B-	SC	4.2VDC	10min	SLIE <u>L</u>	50 0 Jet	Unit shut down, no damaged, N hazard.		
B- to P+	SC	4.2VDC	7h	ek J	0.081	Unit shut down, no da hazard.	maged, No	

Supplementary information:

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

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

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



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no explosion; NF= no emission of flame or expulsion of molten metal.

The Maria	All Ale All All Ale	IEC 62368-1	LIEN MITER WITER	Vice an	34.
Clause	Requirement – Test	75. 24. 20.	Result – Remark	at a	Verdict

- 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	its for batte	ries provid	ed withi	n the equ	ipment	Р	
Is it possible	to install the	battery in a re	verse polarit	y position?.	:	d x	of Clerk		
				C	harging				
Equipment S	Specification		Voltage (V)		Current (A)				
		LET SET	5Vdc	The Maria	71/2	The.	0.2A	, A	
				Battery	specific	ation			
		Non-recharge	eable batterie	s	Re	chargeab	le batteries	atteries	
Manufacturer/type SHENZHEN BIYATE ENERGY CO., LTD / 402030		Discharging	Unintention	al C	Charging			Reverse	
		current (A)	charging current (A)	Voltage	(V) Cui	rent (A)	current (A)	charging current (A)	
		MULTER MULTE	- Whitek	3.7).185	0.037	EK MITEK	
Note: The tes	sts of M.3.2 a	re applicable o	only when ab	ove appropri	iate data	is not ava	ailable.		
Specified ba	ttery tempera	ature (°C)	711		; <i>a</i> }-	11/	10-45		
Component No.	Fault condition	Charge/ discharge mo	Test time	Temp. (°C)	Current (A)	Voltage (V)	Obs	Observation	
Battery (charge base)	Capacitor SC	Charge	7h	witte-wait	0,0	O TEN	Unit shutd immediate Recoverat damaged,	ly.	
Supplementa	ary informatio	n:							
Abbreviation	: SC= short o	circuit; OC= op	en circuit NI	= no chemic	cal leaka	ge: NS= i	no spillage of	f liquid: NF=	

M.4.2	TABLE: battery	Charging sa	feguards for	equipment c	ontaining a se	econdary lithium	EK PITE		
Maximum	specified o	charging voltag	ge (V)		: 4.0		_		
Maximum specified charging current (A): 5									
Highest specified charging temperature (°C) : 45									
Lowest sp	ecified cha	arging tempera	ture (°C)		: 10	WALL WALL			
Battery		Operating		Measuremen	t	Observati	ion		
manufactu	rer/type	and fault condition	Charging voltage (V)	Charging current (A)	Temp. (°C)				
Lowest spe	ecified cha	rging temperat	ure: 10°C (Bat	tery (earbuds)	Et LIER I	SLIE WALTE WALL	Aug		
Zaoyang C Electronic		Normal	4.2	0.021	Battery temperature:	The battery charging decreases	ng current		



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The survive	All The All	IEC 62368-1	LIEN WITER WALTER	Write Muril Mirry
Clause	Requirement – Test	ALLE ALE ALE	Result – Remark	Verdict

Technology Co.,	CITY TEN	LIET RETE	21/2 21/2	10°C	
LTD / GX450909	Abnormal-	7	, t , r	e Jet J	The wall wall
	Single fault –	Marie v	REF WILEY	Battery temperature: 10°C	The battery charging current decreases
Highest specified cha	arging temperatu	ıre: 45°C (Ba	attery (charge	base))	TEX TEX LIER OUT
SHENZHEN BIYATE ENERGY CO., LTD / 402030	Normal	4.20	0.021	Battery temperature: 45°C	The battery charging circuit stop charging
	Abnormal-	SER TRITE	ring ring	11/2 1/1	- 12 14 14
	Single fault –	t miller v	NITEK WALTE	Battery temperature: 45°C	The battery charging circuit stop charging
Lowest specified cha	rging temperatu	re: 10°C (Ba	ttery (earbuds	s)) - 1	Alex Alex Alex Alex
Zaoyang Gexin Electronic Technology Co.,	Normal	4.2	0.001	Battery temperature: 10°C	The battery charging current decreases
LTD / GX450909	Abnormal-	- 3	76 ¹ K	et jest ki	Et and the wall while a
	Single fault	W. T.	oper all	Battery temperature: 10°C	The battery charging current decreases
Highest specified cha	arging temperatu	ıre: 45°C (Ba	attery (charge	base))	THE THE STIFF MIT
SHENZHEN BIYATE ENERGY CO., LTD / 402030	Normal	4.20	0.001	Battery temperature: 45.0°C	The battery charging circuit stop charging
	Abnormal-	TEN TOUT	24 - 24	70, - 70,	- L A A
	Single fault –	WALTER.	NLTEKWALTE	Battery temperature: 45.0°C	The battery charging circuit stop charging

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

TABLE: Circuits intended for interconnection with building wiring (LPS) N/A						
Condition	11 ()()	Time (a)	I _{sc}	(A)	S	N/A S (VA) Limit
Condition	U _{oc} (V)	Time (S)	Meas.	Limit	Meas.	Limit
mr. mr. m.		at at	All the	JEH JE	- WILL V	VILL MUE
Et TEX TEX	antite and	Me	2115 211	10,	2, 7	**
her me m		t de	JEH J	JE NITER	WILL WI	in which
et let tet	THE MULT	111/2 1	12 14	2,		L set
	Condition			Condition U _{oc} (V) Time (s)	Condition U _{oc} (V) Time (s)	Condition $U_{oc}(V)$ Time (s) $I_{sc}(A)$ S (



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	11011 1711 202001210201	1 age 66 61 61		
, m		IEC 62368-1		
Clause	Requirement – Test	The Marie Marie	Result – Remark	Verdict

SC = short circuit, OC = open circuit
* Unit shutdown immediately, recoverable, no hazard.

T.2, T.3, T.4, T.5	TABLE: St	teady force te	st	il.	LIEN RUTEN	N/A			
Location / Part	Material	Thickness (mm)	Probe	Force (N)	Test Duration (s)	Observation			
NLTER ON	The WALL	Mur. M	200			tet tet tet with mite mit			
4 4	L 14	18t 16	t Little	WILLE	ann, an	in in in			
INLIE WALF	MULL.	who was	20,	- t	. et	of the other write white wh			
Supplementa	ry informati	on:							
*Test was pe	*Test was performed on product with each source listed in table 4.1.2.								

T.6, T.9	TABLE: Impa	ct test		N/A
Location/Pa	rt Material	Thickness (mm)	Height (mm)	Observation
11, 11,	75.	14 114 11	H SITER	WILL MILL MU AND
THE ST	101 10	1 / 1/2	2	THE THE LITTER OF
20		/ A \	CLIER	is a fun an an
Supplement	tary information	:		
*Test was p	erformed on pro	oduct with each so	urce listed in	table 4.1.2.

T.7 T.	ABLE: Drop						1	N/A	
Location/Part	Material	Thickness (mm)	Height (mm)		Ol	oservatio	n		
at let	UER SU	Et MITE WALL	24. 2		4			- 4	+ .
11/2	10, 20,	at at	JEX S	EX STER	11/4/1	area .	Mr.	21/2	2/1
y 18th	JEK JE	WITE WALTE	14. 14.	2,		N.	,cit	TEX.	
Supplementar	y information								

T.8 TABLE: Stress relief test								
Location/Pa	rt Material	Thickness (mm)	Oven Temperatur e (°C)	Duration (h)	Observation			
	at at	TEX OUTER	WILL MILL	MULL	me me me	L .*		
Supplement	Supplementary information:							
*Test was performed on product with each source listed in table 4.1.2.								



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in min	IEC	62368-1	in in in
Clause	Requirement – Test	Result – Remark	Verdict

	TABLE: Alternative method for determining minimum clearances distances							
arance distanced between:	Peak of working voltage (V)	Required cl (mm)	Measured cl (mm)					
TIL MUT. MUT.	21/2 21/2	LEK TEK STEK .	LIER WILL W					
entary information:								
	arance distanced between:	between: (V)	between: (V) (mm)					

4.1.2	TABLE: Critical components information					
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹	
Plastic enclosure	CHI MEI CORPORATION	PA-757(+)	HB, 80°C, Min. Thickness 1.5mm	UL 94, UL 746	UL E56070	
Charging box battery	SHENZHEN BIYATE ENERGY CO., LTD	402030	3.7V, 185mAh	IEC 62133- 2:2017	Report No.: TCT230223 B135	
Earbud battery	Zaoyang Gexin Electronic Technology Co., LTD	GX450909	3.7V, 30mAh	IEC 62133- 2:2017	Report No.: TSZ2205037 6-P01-R01	
PCB WELLER	GOLDENMAX INTERNATIONAL TECHNOLOGY (ZHUHAI) LTD	GDM-C3, ILM- C3	V-0, 130°C	UL 796	UL E330731	
Alternative	Interchangeable	Interchangeabl e	V-0, 130°C	UL 796	UL WATER	

Supplementary information:

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



Photo Documentation





Photo 1



Photo 2



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Photo Documentation



Photo 3



Photo 4

Page 3 of 5

Photo Documentation

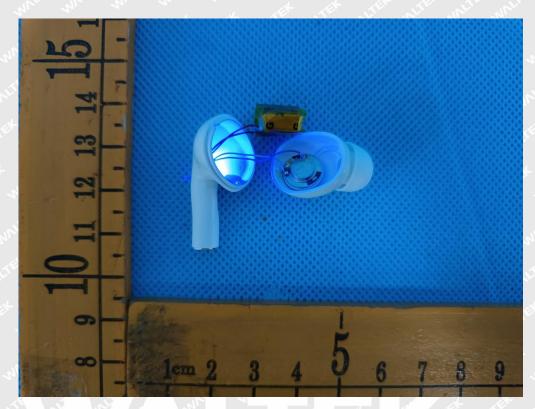


Photo 5

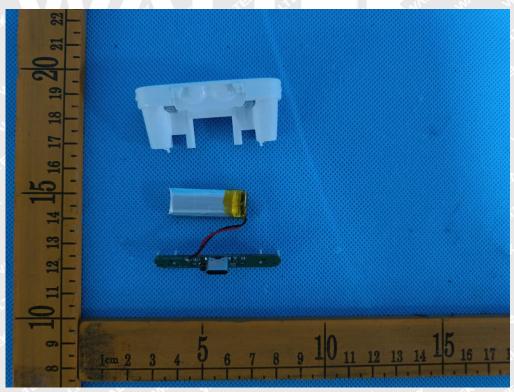


Photo 6



Photo Documentation



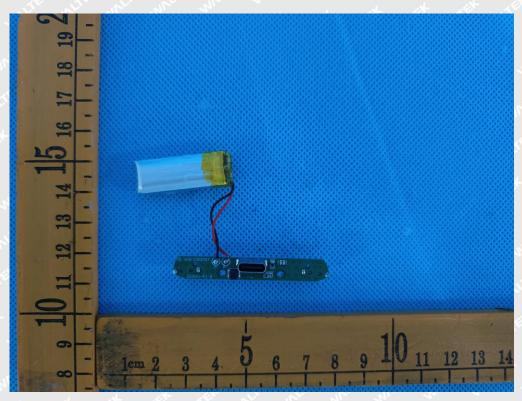


Photo 7

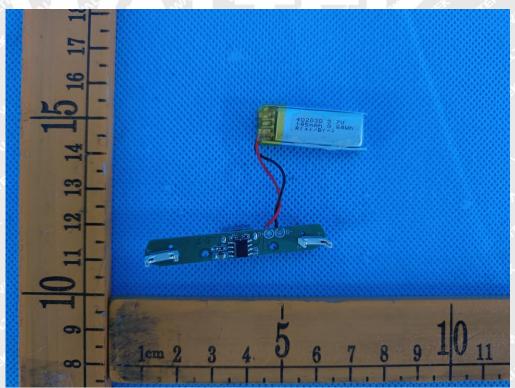


Photo 8



Photo Documentation

Reference No.: WTF23D06127326Y



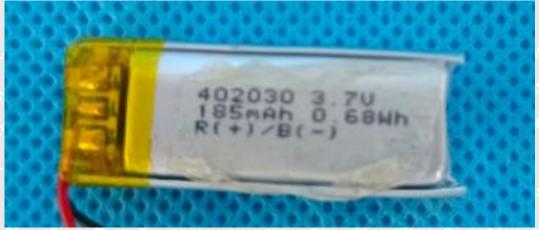


Photo 9



Photo 10.

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