



TEST REPORT

Reference No	, :	WTF23D10218920Y

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

Hong Kong

Manufacturer..... : 118144

Address.....: --

Product..... : 2x10W wireless speaker

Model(s)..... : MO2172

Total pages: 67 pages and 8 pages of photo.

Audio/video, information and communication technology equipment-

Part 1:Safety requirements

Date of Receipt sample..... : 2023-10-26

Date of Test.....: 2023-10-26 to 2023-11-09

Date of Issue...... 2023-11-14

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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Approved by:

Soap Hu / Project Engineer

Soupellu

Almon Zhao / Designated Reviewer



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Test item description:	2x10W wirele	ess speaker
Trademark:	МОВ	
Model and/or type reference:	MO2172	
Rating(s):	Input: 5VDC, Battery: 3.7V	
Remark:		
Whether parts of tests for the product I	have been sub	contracted to other labs:
☐ Yes ⊠ No		
If Yes, list the related test items and la	b information:	
Test items:		
Lab information:		THE THE LIES NITE WILL WITH A
Summary of testing:	" WILL WILL	An an a
Tests performed (name of test and t	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	nal Difference	s (List of countries addressed):
m. m. m.		LIER WILL WILL MULL MAN MAN MIN
EU Group Differences		
mer mer my my		
□ The product fulfils the requirements	of EN IEC 62	368-1:2020+A11:2020.
	70,	
Use of uncertainty of measurement	for decisions	on conformity (decision rule) :
applicable limit according to the spe-	cification in th	ard, when comparing the measurement result with the at standard. The decisions on conformity are made mple acceptance" decision rule, previously known as
☐ Other: (to be specified, for example requirements apply)	ole when requi	red by the standard or client, or if national accreditation
OD-5014 for test equipment and applic IECEE.	calculated by cation of test m	the laboratory based on application of criteria given by nethods, decision sheets and operational procedures of n of measurement uncertainty principles and applying
		in IECEE scheme noting that the reporting of the

measurement uncertainty for measurements is not necessary unless required by the test standard or

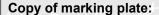
Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted

customer.

the testing.









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:	by we we we we to the
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)	⊠ 0.995kg



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POSSIBLE TEST CASE VERDICTS:	whit we we will all the
- 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	.: See cover page.
Date (s) of performance of tests	: See cover page.
GENERAL REMARKS:	LIFE RELEGIONALE MALL 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 MO2172 is 2x10W wird 2. It is powered by Micro USB port conformed to LPS 3. The maximum operating temperature is 25°C.	
Model Differences N/A	WILLER MUTEL MUTEL MUTEL MUTEL MUTEL MUTEL
Additional application considerations – (Consid assembly) N/A	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		Safeguards	
(e.g. PS2: 100 Watt circuit)	(e.g. Printed board)	В	1 st S	2 nd S
PS1: <15 Watt circuits	PCB	N/A	N/A	N/A
PS1: <15 Watt circuits	The other components/materials	N/A	N/A	N/A
7	Injury caused by hazardous substances			
Class and Energy Source	Body Part		Safeguards	
(e.g. Ozone)	(e.g., Skilled)	В	S	R
N/A	N/A	N/A	N/A	N/A
8	Mechanically-caused injury			
Class and Energy Source	Body Part		Safeguards	
(e.g. MS3: Plastic fan blades)	(e.g. Ordinary)	В	S	R
MS1: Edges and corners	Ordinary	N/A	N/A	N/A
MS1: Mass of the unit	Ordinary	N/A	N/A	N/A
9	Thermal burn			
Class and Energy Source	Body Part		Safeguards	
(e.g. TS1: Keyboard caps)	(e.g., Ordinary)	В	S	R
TS1: All accessible parts	Ordinary	N/A	N/A	N/A
10	Radiation			
Class and Energy Source	Body Part Safeguards			
(e.g. RS1: PMP sound output)	(e.g., Ordinary)	В	S	R
RS1: LED for indicating	Ordinary	N/A	N/A	N/A



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ENERGY SOURCE DIAGRAM

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

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

See details in OVERVIEW OF ENERGY SOURCES AND SAFEGUARDS

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	10, 00, 10, 10,	30.1.29.2.2.2.		
EN IEC 62368-1				
Clause	Requirement – Test	Result –	Remark	Verdict

4	GENERAL REQUIREMENTS		Р
4.1.1	Acceptance of materials, components and subassemblies	(See appended table 4.1.2)	AU.
4.1.2 MARCHARLES	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	MET P
4.1.3	Equipment design and construction	Equipment is adequately designed and constructed.	W P
4.1.4	Specified ambient temperature for outdoor use (°C)	Indoor use only	N/A
4.1.5	Constructions and components not specifically covered	No such constructions and components.	N/A
4.1.8	Liquids and liquid filled components (LFC)	No such parts.	N/A
4.1.15	Markings and instructions	(See Annex F)	Р
4.4.3	Safeguard robustness	See below	N/A
4.4.3.1	General	2 24 24	N/A
4.4.3.2	Steady force tests	TE TE LITE OLIFE	N/A
4.4.3.3	Drop tests	in my my m	N/A
4.4.3.4	Impact tests	15 TEK STEK WITER WAY	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
The Mar	Glass impact test (1J)	LIER MITER WALTE WHILL W	N/A
et et	Push/pull test (10 N)	a to the state of	N/A
4.4.3.8	Thermoplastic material tests	rith write arise main and	N/A
4.4.3.9	Air comprising a safeguard	a de de de	N/A
4.4.3.10	Accessibility, glass, safeguard effectiveness	E MALLE MALL MALL MALL	N/A
4.4.4	Displacement of a safeguard by an insulating liquid	No such liquid.	N/A
4.4.5	Safety interlocks	No such parts.	N/A
4.5	Explosion	CITER WILL WILL AND AND	Р
4.5.1	General	No explosion occurs during normal/abnormal operation and single fault conditions	P P
4.5.2	No explosion during normal/abnormal operating condition	(See Clause B.2, B.3)	W PE



Р

N/A

N/A

N/A

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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
The.	THE STATE OF THE STATE OF	the wife mile mer in	a an
.MITEK N	No harm by explosion during single fault conditions	(See Clause B.4)	P
4.6	Fixing of conductors	See below	N/A
Life" WI	Fix conductors not to defeat a safeguard	TEX LIEX NITER INLIER	N/A
A 10	Compliance is checked by test	the the the ten	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)	the still mile while whi	N/A
4.8	Equipment containing coin/button cell batteries		N/A
4.8.1	General	No coin/button cell batteries used.	N/A
4.8.2	Instructional safeguard	THE STEE WITE WITE	N/A
4.8.3	Battery compartment door/cover construction	1, 20, 20, 2, 2	N/A
WILL	Open torque test	EX STER WITE WAITE W	N/A
4.8.4.2	Stress relief test	The state of the s	N/A
4.8.4.3	Battery replacement test	CHIEF WITE MULL WAL	N/A
4.8.4.4	Drop test	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
4.8.4.5	Impact test	MALIE WALL	N/A
4.8.4.6	Crush test	+ 114	N/A
4.8.5	Compliance	LIE WILL WILL WILL	N/A
t JEX	30N force test with test probe	a state set	N/A
2/1.	20N force test with test hook	were mer me m	N/A
70.5			C - FA

5	ELECTRICALLY-CAUSED INJURY Classification and limits of electrical energy sources		Р
5.2			Р
5.2.2	ES1, ES2 and ES3 limits	mi mi mi m	Р
5.2.2.2	Steady-state voltage and current limits	(See appended table 5.2)	VP
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	111. 111. 11.	P
5.3	Protection against electrical energy sources	- JEK LIEF MITE WILL	Р

Likelihood of fire or shock due to entry of conductive object

Component requirements

Disconnect Device

Switches and relays

4.9

4.10

4.10.1

4.10.2



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
The !	all all the state of the state of	Ex Will Well Mr. M.	A 60.
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	THE THE THE MI	P
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	The Mr. M. M.	N/A
5.3.1 b)	Skilled persons not unintentional contact ES3 bare conductors	WILL MUTER MUTER MUTER	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Only ES1 circuit and the enclosure (safeguard) are accessed to person.	INCIPE PUR
WELL	Accessibility to outdoor equipment bare parts	t steet with with wh	N/A
5.3.2.2	Contact requirements	7/1 /2	N/A
iner and	Test with test probe from Annex V	alies alies and a mail	_
5.3.2.2 a)	Air gap – electric strength test potential (V)	an an at the	N/A
5.3.2.2 b)	Air gap – distance (mm)	LIET WILL WALL WALL	N/A
5.3.2.3	Compliance	e 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 at all a	P
5.4.1.2	Properties of insulating material	No insulation as a safeguard.	N/A
5.4.1.3	Material is non-hygroscopic	A THE STATE	N/A
5.4.1.4	Maximum operating temperature for insulating materials	(See appended table 5.4.1.4, 9.3, B.1.5, B.2.6, B.3, B.4)	P
5.4.1.5	Pollution degrees	ITE WALL WALL WALL	N/A
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	* SLIET WIFET SPRINE	N/A
5.4.1.5.3	Thermal cycling test	70 1	N/A
5.4.1.6	Insulation in transformers with varying dimensions	CLIER WILL WILL WILL	N/A
5.4.1.7	Insulation in circuits generating starting pulses	and the life	N/A
5.4.1.8	Determination of working voltage	nite unite unit unit	N/A
5.4.1.9	Insulating surfaces	a at at at	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	AUTH MUT AUT A	N/A
5.4.1.10.2	Vicat test	COLIFE MITE WALLE WAL	N/A
5.4.1.10.3	Ball pressure test	70 July 10	N/A
5.4.2	Clearances	WILL MULTE WALL MALL	N/A
5.4.2.1	General requirements	a state of	N/A
t The	Clearances in circuits connected to AC Mains, Alternative method	the much much much	N/A
5.4.2.2	Procedure 1 for determining clearance	ex outer united white ou	N/A
, dr	Temporary overvoltage	24, 2, 2,	é —
5.4.2.3	Procedure 2 for determining clearance	The Street Mile WAY	N/A



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Clause	EN IEC 62368-	70, 70, 70	Verdict
Clause	Requirement – Test	Result – Remark	verdict
5.4.2.3.2.2	a.c. mains transient voltage	Mr. Mr. Mr.	
5.4.2.3.2.3	d.c. mains transient voltage	TEX STEX WITE	antie _
5.4.2.3.2.4	External circuit transient voltage	The All In	
5.4.2.3.2.5	Transient voltage determined by measurement	SLIFE WITH WITH	
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	TEX STEX STEET SIN	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	t ifet sifet sife	N/A
5.4.2.6	Clearance measurement	2/10 2/11 2/11	N/A
5.4.3	Creepage distances	LIEF NIEF WIFE	N/A
5.4.3.1	General	111. 211. 22.	N/A
5.4.3.3	Material group	LIER OLIER WILES	n –
5.4.3.4	Creepage distances measurement		N/A
5.4.4	Solid insulation	EL WILL MULLE MULL	N/A
5.4.4.1	General requirements		N/A
5.4.4.2	Minimum distance through insulation	WILL WALL WALL	N/A
5.4.4.3	Insulating compound forming solid insulation	The state of the s	N/A
5.4.4.4	Solid insulation in semiconductor devices	a mr.	N/A
5.4.4.5	Insulating compound forming cemented joints		N/A
5.4.4.6	Thin sheet material	in mer mer m	N/A
5.4.4.6.1	General requirements	et tet tet at	N/A
5.4.4.6.2	Separable thin sheet material	Mr. Mr. M.	N/A
unite un	Number of layers (pcs)	TEK LIEK NITER	N/A
5.4.4.6.3	Non-separable thin sheet material	me in in	N/A
The Will	Number of layers (pcs)	STEK STEK STEK ST	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material		N/A
5.4.4.6.5	Mandrel test	, mer me m	N/A
5.4.4.7	Solid insulation in wound components	- TEX JEX JE	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz, E_P , K_R , d , V_{PW} (V)	THE THE THE	N/A
EF	Alternative by electric strength test, tested voltage (V), K _R	mer mer me	N/A
5.4.5	Antenna terminal insulation	LIET NALTE WALL WE	N/A
5.4.5.1	General	i a at at	+ N/A
5.4.5.2	Voltage surge test	WALL MALL WALL	N/A
5.4.5.3	Insulation resistance (MΩ)	L A A	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
- un-		Er Till Anti Anti	on an
	Electric strength test		N/A
5.4.6	Insulation of internal wire as part of supplementary safeguard	MUTTE MUTT MUTT M	N/A
5.4.7	Tests for semiconductor components and for cemented joints	NITER WALTER WALTER WALT	N/A
5.4.8	Humidity conditioning	A LET LET LIET	N/A
77,	Relative humidity (%), temperature (°C), duration	in the me me	
- TEK	(h)	e de de de	
5.4.9	Electric strength test	They mur mur a	N/A
5.4.9.1	Test procedure for type test of solid insulation	at at at	N/A
5.4.9.2	Test procedure for routine test	While Aut Aug Aug	N/A
5.4.10	Safeguards against transient voltages from external circuits	LIEX MILEX WAITER WALL	N/A
5.4.10.1	Parts and circuits separated from external circuits	e at at	N/A
5.4.10.2	Test methods	Et unit whit whi	N/A
5.4.10.2.1	General	at at all	N/A
5.4.10.2.2	Impulse test	Write Mure Mure M	N/A
5.4.10.2.3	Steady-state test		N/A
5.4.10.3	Verification for insulation breakdown for impulse test	and the same	N/A
5.4.11	Separation between external circuits and earth	ITE WITE WILL WILL	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	t list slight miles	N/A
5.4.11.2	Requirements	24 24 24	N/A
mr, m	SPDs bridge separation between external circuit and earth	WHITEE WALTER WHITE WA	N/A
Lite Mili	Rated operating voltage U _{op} (V)	TEX SEX SUFER BUT	_
x ,+	Nominal voltage U _{peak} (V)	by the the tax	_
MALLE	Max increase due to variation ΔU _{sp}	Et liet sliet milet	<u> </u>
	Max increase due to ageing ΔU _{sa}	24 24 25	
5.4.11.3	Test method and compliance	- STEP WITH WITE	N/A
5.4.12	Insulating liquid	20, 20, 20	N/A
5.4.12.1	General requirements	ALIER MITER MALIER MA	N/A
5.4.12.2	Electric strength of an insulating liquid		N/A
5.4.12.3	Compatibility of an insulating liquid	LIES WILL WILL WITH	N/A
5.4.12.4	Container for insulating liquid	, , , , , , , , , , , , , , , , , , ,	N/A
5.5	Components as safeguards	HE MITTER MITTER	N/A
5.5.1	General General	No such components as safeguards.	N/A N/A



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	EN IEC 62368-	2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2	1
Clause	Requirement – Test	Result – Remark	Verdict
5.5.2	Capacitors and RC units	the mer me	N/A
5.5.2.1	General requirement	TEX STEX STEX	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	The fit is	N/A
5.5.3	Transformers	Will All the All All	N/A
5.5.4	Optocouplers	of the the	N/A
5.5.5	Relays	in his m	N/A
5.5.6	Resistors	t jet sjet nijet	N/A
5.5.7	SPDs	The The Th	N/A
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable	antifet while while y	N/A
5.5.9	Safeguards for socket-outlets in outdoor equipment	LIEF WHILE WHILE WH	N/A
A WILLIAM	RCD rated residual operating current (mA)	et let let lik	· —
5.6	Protective conductor	m m m	N/A
5.6.2	Requirement for protective conductors	t TEX STEX STEE	N/A
5.6.2.1	General requirements	Class III equipment	N/A
5.6.2.2	Colour of insulation	AT STEEL	N/A
5.6.3	Requirement for protective earthing conductors		N/A
in wines	Protective earthing conductor size (mm²)	LIE NITE WITH WILL	· 3 -
* INLIER	Protective earthing conductor serving as a reinforced safeguard	of the little outfill	N/A
LIEK "	Protective earthing conductor serving as a double safeguard	and and all	N/A
5.6.4	Requirements for protective bonding conductors	Mer Aug Aug A	N/A
5.6.4.1	Protective bonding conductors	at let set s	N/A
4	Protective bonding conductor size (mm²)	her me me m	
5.6.4.2	Protective current rating (A)	Et JEK JEK ALT	N/A
5.6.5	Terminals for protective conductors	The The An	N/A
5.6.5.1	Terminal size for connecting protective earthing conductors (mm)	WALTER WHITER WHITER	N/A
WILEY W	Terminal size for connecting protective bonding conductors (mm)	UNITER WHITER WHITER W	N/A
5.6.5.2	Corrosion	at at at	N/A
5.6.6	Resistance of the protective bonding system	LIE WALL WALL WA	N/A
5.6.6.1	Requirements	A ST ST ST	N/A
5.6.6.2	Test Method	MULL MUE, MUE, MUE,	N/A
5.6.6.3	Resistance (Ω) or voltage drop	t at at	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
5.6.7	Reliable connection of a protective earthing conductor		N/A
5.6.8	Functional earthing	me me me	N/A
Liet and	Conductor size (mm²)	THE THE WIFE WITE	N/A
<i>L</i> A	Class II with functional earthing marking	regional and any	N/A
it will	Appliance inlet cl &cr (mm)	TEX LIER NITER WITE IN	N/A
5.7	Prospective touch voltage, touch current and p	rotective conductor current	N/A
5.7.2	Measuring devices and networks	EX SLIER WILL MULTER MA	N/A
5.7.2.1	Measurement of touch current	100 200	N/A
5.7.2.2	Measurement of voltage	SLIER WILL WILL MILL	N/A
5.7.3	Equipment set-up, supply connections and earth connections	THE STEE STEE WITH	N/A
5.7.4	Unearthed accessible parts	2 14 14 14	N/A
5.7.5			N/A
5.7.6	Requirements when touch current exceeds ES2 limits	Tet Tet Stet St	N/A
4,, ~	Protective conductor current (mA)	The sur sur	N/A
NITE WA	Instructional Safeguard	At Something	N/A
5.7.7	Prospective touch voltage and touch current associated with external circuits	The left	N/A
5.7.7.1	Touch current from coaxial cables	in me me me	N/A
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	MULTER WILLER WHITER WI	N/A
5.7.8	Summation of touch currents from external circuits	NUTER WALTER WALTER	N/A
LIFER ANNL	a) Equipment connected to earthed external circuits, current (mA)	TEX LIEX WITH WITH	N/A
EK OLIEN	b) Equipment connected to unearthed external circuits, current (mA)	at the lat lift	N/A
5.8	Backfeed safeguard in battery backed up supplies		N/A
NUTER	Mains terminal ES	No battery used	N/A
~	Air gap (mm)	The Mr. Mr. Ly	N/A

6	ELECTRICALLY- CAUSED FIRE Classification of PS and PIS		Р
6.2			THE P. LET
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 ARK WINLIEK



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Clause	Requirement – Test	Result – Remark	Verdict
Clause	Trequirement – Test	INESUIT - INEITIAIN	Verdict
6.2.3	Classification of potential ignition sources	See the following details.	Р
6.2.3.1	Arcing PIS	No Arcing PIS exist in the equipment	N/A
6.2.3.2	Resistive PIS	(See appended table 6.2.3.2)	N/A
6.3	Safeguards against fire under normal operating and abnormal operating conditions		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 WINTE WINTE
in in	Combustible materials outside fire enclosure	No such parts	N/A
6.4	Safeguards against fire under single fault condit	tions	Р
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 WILLEX 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 Lite	N/A
6.4.3.2	Single Fault Conditions	- EX MILL WALL	N/A
et et	Special conditions for temperature limited by fuse	The second	N/A
6.4.4	Control of fire spread in PS1 circuits	THE WITE WALL WALL V	Р
6.4.5	Control of fire spread in PS2 circuits	and the set of the set	N/A
6.4.5.2	Supplementary safeguards	White while whi wh	N/A
6.4.6	Control of fire spread in PS3 circuits	THE REPORT OF	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 the tret	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.	P
6.4.8.2	Fire enclosure and fire barrier material properties	V-1 plastic enclosure used	Р
6.4.8.2.1	Requirements for a fire barrier	No fire barrier used.	N/A
6.4.8.2.2	Requirements for a fire enclosure	V-1 plastic enclosure used	Р
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	See below	N/A
6.4.8.3.1	Fire enclosure and fire barrier openings	No openings	N/A
6.4.8.3.2	Fire barrier dimensions	No specific barrier provided.	N/A
6.4.8.3.3	Top openings and properties	No top opening	N/A
3.4	Openings dimensions (mm)	Mar Mr. M. M.	N/A
6.4.8.3.4	Bottom openings and properties	No bottom opening	N/A



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20,	EN IEC 62368	til with which will be	n 2.
Clause	Requirement – Test	Result – Remark	Verdict
Mes	The Text of the Control of the Contr	TER WITE WALL MY W	, m
(A)	Openings dimensions (mm)	10° 12° 12° 12° 12° 12° 12° 12° 12° 12° 12	N/A
מניד, מן	Flammability tests for the bottom of a fire enclosure	MULTER WHITE MILL WALL	N/A
المالية المالية	Instructional Safeguard	TER STEEL WITER WITER	N/A
6.4.8.3.5	Side openings and properties	No side openings	N/A
" Will.	Openings dimensions (mm)	TER STEEL WITER WITER W	N/A
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c)	No enclosure can be opened by an ordinary person	N/A
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating	V-1 plastic enclosure used	Р
6.4.9	Flammability of insulating liquid	Will mer mer me	N/A
6.5	Internal and external wiring	A BY SET JET	Р
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 ITEX
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 additional equipment		
7	INJURY CAUSED BY HAZARDOUS SUBSTANC	ES	Р
7.2	Reduction of exposure to hazardous substance	es tree attended and the	N/A
7.3	Ozone exposure	All An A	N/A
7.4	Use of personal safeguards or personal protec	tive equipment (PPE)	N/A
it i	Personal safeguards and instructions	m v t	_
7.5	Use of instructional safeguards and instruction	18 LIER MILE WALL WALL	N/A
Et TEX	Instructional safeguard (ISO 7010)	a state of	_
7.6	Batteries and their protection circuits	ite ancie while will w	Р
11	TET ITET SLITE MIT MAT THE THE		4 16
8	MECHANICALLY-CAUSED INJURY		₩P
	Mechanical energy source classifications	at at at at	Р
8.2	Safeguards against mechanical energy sources		
~ · · · · · ·	Safeguards against mechanical energy sources	WILL WALL MUE MILE	Р
8.3	Safeguards against mechanical energy sources Safeguards against parts with sharp edges and	711 - 711 - 1	P
8.3 8.4		711 - 711 - 1	
8.2 8.3 8.4 8.4.1	Safeguards against parts with sharp edges and	711 - 711 - 1	P



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<u> </u>							
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Clause	Requirement – Test	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
tie mit	MS2 or MS3 part required to be accessible for the function of the equipment	See above.	N/A
ER RUER	Moving MS3 parts only accessible to skilled person	at let let liet o	N/A
8.5.2	Instructional safeguard	and any and any	N/A
8.5.4	Special categories of equipment containing moving parts		N/A
8.5.4.1	5.4.1 General		N/A
8.5.4.2	Equipment containing work cells with MS3 parts	antit mai ma ma	N/A
8.5.4.2.1	Protection of persons in the work cell	LEK TEK TEK NITEK	N/A
8.5.4.2.2	Access protection override	in my my	N/A
8.5.4.2.2.1	Override system	EX TEX STEX STEE SING	N/A
8.5.4.2.2.2	Visual indicator	m. m. m.	N/A
8.5.4.2.3	Emergency stop system	LIER NITER WITE WALL	N/A
NITER AND	Maximum stopping distance from the point of activation (m)	itet altet	N/A
	Space between end point and nearest fixed mechanical part (mm):	To the left	N/A
8.5.4.2.4	Endurance requirements	it mit wit me a	N/A
WILLER	Mechanical system subjected to 100 000 cycles of operation	t intiget whitek whitek whi	N/A
TEK N	- Mechanical function check and visual inspection	A ST ST ST	N/A
in in	- Cable assembly:	white will will you	N/A
8.5.4.3	Equipment having electromechanical device for destruction of media	Street intrest martest materials	N/A
8.5.4.3.1	Equipment safeguards	a start set	N/A
8.5.4.3.2	Instructional safeguards against moving parts:	it will make me we	N/A
8.5.4.3.3	Disconnection from the supply	- at all all of	N/A
8.5.4.3.4	Cut type and test force (N):	Auri Aur Aur Au	N/A
8.5.4.3.5	Compliance	TEX TEX STEX NUTER	N/A
8.5.5	High pressure lamps	No high pressure lamps used.	N/A
TE MILTE	Explosion test:	THE LIFE WIFE WIFE	N/A
8.5.5.3	Glass particles dimensions (mm):	10. 10. 10.	N/A
8.6	Stability of equipment	Et alter miter and while while	N/A
8.6.1	General	MS1: Mass of the unit	N/A
are ar	Instructional safeguard	LIE ALTE BLIL MALL	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
Olause	Trequirement Test	Tresuit Tremain	Voluiot
8.6.2	Static stability	The same of	N/A
8.6.2.2	Static stability test:	LITER OLITER SOLITER SUN	N/A
8.6.2.3	Downward force test	The state of	N/A
8.6.3	Relocation stability	WILL MULL MULL MULL	N/A
Et JE	Wheels diameter (mm):	a at let let	_
44	Tilt test	HE WHILL MALL MALL	N/A
8.6.4	Glass slide test	t at all the	N/A
8.6.5	Horizontal force test:	MULL MULL ME OF	N/A
8.7	Equipment mounted to wall, ceiling or other stru	ucture	N/A
8.7.1	Mount means type	No wall or ceiling	N/A
8.7.2	Test methods	STEX STEX STEE SKITE	N/A
.t _ct	Test 1, additional downwards force (N):	A Sul Sul Sul	N/A
MUL	Test 2, number of attachment points and test force (N)	THE WALTER WALTER WALTER	N/A
WALTER	Test 3 Nominal diameter (mm) and applied torque (Nm):	United Whites Whites Wh	N/A
8.8	Handles strength	A Set of	N/A
8.8.1	General	No handles	N/A
8.8.2	Handle strength test	THE THE	N/A
, , , , , , , , , , , , , , , , , , ,	Number of handles	re me me m	~ <u> </u>
INLIE	Force applied (N)	of the the state of	المراث الم
8.9	Wheels or casters attachment requirements	The Mr. M. 2	N/A
8.9.2	Pull test	No such parts	N/A
8.10	Carts, stands and similar carriers	40 40 40	N/A
8.10.1	General	No carts, stands or similar carriers	N/A
8.10.2	Marking and instructions	EF JEF STEF WITE	N/A
8.10.3	Cart, stand or carrier loading test	the the re-	N/A
antite v	Loading force applied (N):	the stiff wife wife and	N/A
8.10.4	Cart, stand or carrier impact test	211. 211. 21.	N/A
8.10.5	Mechanical stability	CLIER WILLER WILLER WILL	N/A
At A	Force applied (N)	and the set of	- All-
8.10.6	Thermoplastic temperature stability	LIEW WILL WHILE WHILE	N/A
8.11	Mounting means for slide-rail mounted equipme	ent (SRME)	N/A
8.11.1	General	No such parts	N/A
8.11.2	Requirements for slide rails	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
de	and the state of t	THE WITE MIT WALL	Mr. Mr.
	Instructional Safeguard		N/A
8.11.3	Mechanical strength test	TER SLIER WITE WILL	JN/A
8.11.3.1	Downward force test, force (N) applied	:	N/A
8.11.3.2	Lateral push force test	ALTE WALTE WALL VI	N/A
8.11.3.3	Integrity of slide rail end stops		N/A
8.11.4	Compliance	Wite Mill Mill My	N/A
8.12	Telescoping or rod antennas	at the title of	N/A
2112 1	Button/ball diameter (mm)	: No such parts	

9	THERMAL BURN INJURY		₹ _{II} P
9.2	Thermal energy source classifications Touch temperature limits		Р
9.3			P
9.3.1	Touch temperatures of accessible parts	: (See appended table 5.4.1.4, 9.3, B.1.5, B.2.6)	IEL PLY
9.3.2	Test method and compliance	See B.1.6 & B.2.3	- Po
9.4	Safeguards against thermal energy source	Street nute mil mil me	A _{ll} P
9.5	Requirements for safeguards		P
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.	THE AND
9.5.2	Instructional safeguard	: Instructional safeguard is not required.	N/A
9.6	Requirements for wireless power transmitt	ters to the life street street	N/A
9.6.1	General	No wireless power transmitters	N/A
9.6.2	Specification of the foreign objects	TEX STEE STEEL WITE SHITE	N/A
9.6.3	Test method and compliance	:3	N/A

10	RADIATION Radiation energy source classification		P
10.2			Р
10.2.1	General classification	See below	P
ال سيميان	Lasers:	LITER NITER WHITE WHITE	_
LIEK WAL	Lamps and lamp systems:	RS1: LED only for indicating use which is considered as low power application.	_
JE SLIFE	Image projectors	at at let let a	
40,	X-Ray:	me me me	
CLIE!	Personal music player	LEK THE LIFE LIFE	_



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	Clause	Requirement – Test	Result – Remark	Verdict	

10.3	Safeguards against laser radiation	71, 7	N/A
Muric 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)		until P
10.4.1	General requirements	LED indication light: Classed as RS1 (Exempt Group)	LIER PUR
MALTER	Instructional safeguard provided for accessible radiation level needs to exceed	t stet stret milet sund	N/A
A	Risk group marking and location:	A11 211 14 15	N/A
West all	Information for safe operation and installation	LIER OLIER WALTE WALTE	N/A
10.4.2	Requirements for enclosures	the the state of	N/A
is min	UV radiation exposure:	LIER WILL WHILE MALL A	N/A
10.4.3	Instructional safeguard		N/A
10.5	Safeguards against X-radiation	TE WITE WALL WALL WA	N/A
10.5.1	Requirements	No X-radiation	N/A
11/2 0	Instructional safeguard for skilled persons:	WHITE WALL WALL WALL	_
10.5.3	Maximum radiation (pA/kg)	at the set	_
10.6	Safeguards against acoustic energy sources	The sure sure	N/A
10.6.1	General	THE LIEF	N/A
10.6.2	Classification	in my my m	N/A
CLIEB	Acoustic output L _{Aeq,T} , dB(A):	* TEX TEX LITER ON	N/A
LITER O	Unweighted RMS output voltage (mV):	No such electrical output socket	N/A
<i>(</i> 1)	Digital output signal (dBFS)	White Muse And And	N/A
10.6.3	Requirements for dose-based systems	et tet tet tiet tiet	N/A
10.6.3.1	General requirements	ver me me me	N/A
10.6.3.2	Dose-based warning and automatic decrease	Et TEX CIEX ALTER OF	N/A
10.6.3.3	Exposure-based warning and requirements	Mr. Mr. M.	N/A
MALTE W	30 s integrated exposure level (MEL30)	- ITEK SLIFE SLIFE SINL	N/A
, L	Warning for MEL ≥ 100 dB(A)	The Thirty American	N/A
10.6.4	Measurement methods	LIER NITER INTER MALTER	N/A
10.6.5	Protection of persons	m m m	N/A
MULL	Instructional safeguards	LIER WILL WILL MILLE	N/A
10.6.6	Requirements for listening devices (headphones, earphones, etc.)	et the lift state of	N/A
10.6.6.1	Corded listening devices with analogue input	Mr. M. An	N/A
WITE A	Listening device input voltage (mV)	THE THE LIFE ALL	N/A



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Clause	Requirement – Test	Result – Remark	Verdict	
10.6.6.2	Corded listening devices with digital input	E MILL MALL MA	N/A	
Marie M	Max. acoustic output L _{Aeq,T} , dB(A):	ALTER MATER WALTER	M/A	
10.6.6.3	Cordless listening devices	201 7	N/A	
Ver Alver	Max. acoustic output L _{Aeq,T} , dB(A)	RITER WITE WALL W	N/A	

В	NORMAL OPERATING CONDITION TESTS, ABI CONDITION TESTS AND SINGLE FAULT COND		P.
B.1	General	et jet jet liet ni	Р
B.1.5	Temperature measurement conditions	(See appended table B.1.5)	Р
B.2	Normal operating conditions	TEX LIEX SLIER MATE	P
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	TIE!P
it Tex	Audio Amplifiers and equipment with audio amplifiers	in any any any	N/A
B.2.3	Supply voltage and tolerances	Rated input 5Vdc	Р
B.2.5	Input test	(See appended table B.2.5)	Р
B.3	Simulated abnormal operating conditions	MULL MULL MULL MULL	Р
B.3.1	General	(See appended table B.3)	P
B.3.2	Covering of ventilation openings	No ventilation openings.	N/A
TEN OUT	Instructional safeguard	THE THE	N/A
B.3.3	DC mains polarity test	Not supplied by D.C. mains	N/A
B.3.4	Setting of voltage selector	No such selector	N/A
B.3.5	Maximum load at output terminals	(See appended table B.3)	Р
B.3.6	Reverse battery polarity	No such battery	N/A
B.3.7	Audio amplifier abnormal operating conditions	(See appended table B.3)	Р
B.3.8	Safeguards functional during and after abnormal operating conditions	All safeguards remained effective	n P.
B.4	Simulated single fault conditions	all all all states	P
B.4.1	General	The Mr. Mr.	Р
B.4.2	Temperature controlling device	NTC used on battery protective board. The test is carried out for three times, no failure. See appended table B.4 for details	WALTER VINETER
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
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	Р



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01	EN IEC 62368-		1,7
Clause	Requirement – Test	Result – Remark	Verdict
B.4.4.3	Short circuit of functional insulation on coated printed boards	No coated printed boards within the EUT	N/A
B.4.5	Short-circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.4)	Р
B.4.6	Short circuit or disconnection of passive components	(See appended table B.4)	Р
B.4.7	Continuous operation of components	The EUT is continuous operating type and no such components intended for short time operation or intermittent operation	N/A
B.4.8	Compliance during and after single fault conditions	No change to circuits classified in 5.3	W. P
B.4.9	Battery charging and discharging under single fault conditions	See annex M	MILLE P.
С	UV RADIATION		N/A
C.1	Protection of materials in equipment from UV r	adiation	N/A
C.1.2	Requirements	No such UV generated from the equipment.	N/A
C.1.3	Test method	The state of	N/A
C.2	UV light conditioning test	Murry Murry	N/A
C.2.1	Test apparatus:	The state of the	N/A
C.2.2	Mounting of test samples	rice mure mure mure	N/A
C.2.3	Carbon-arc light-exposure test	the little of the state of	N/A
C.2.4	Xenon-arc light-exposure test	Mrr. Mrr. Mr. Mr.	N/A
D	TEST GENERATORS		N/A
D.1	Impulse test generators	mr mr m m	N/A
D.2	Antenna interface test generator	THE THE LIFE WITH	N/A
D.3	Electronic pulse generator	No. My My My	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	NING AUDIO AMPLIFIERS	N/A
E.1	Electrical energy source classification for audi	o signals	N/A
White I	Maximum non-clipped output power (W):	- WILL WILL WHILL MAIL	_
Alt.	Rated load impedance (Ω):	The state of	6 -
ne in	Open-circuit output voltage (V)	write write mail whi.	_
16th 15th	Instructional safeguard:	at the left of the	_
E.2	Audio amplifier normal operating conditions	NITE WALL WALL WALL	N/A
THE STIER	Audio signal source type:	at the left that	<u> </u>
20,	Audio output power (W):	MUT, ME ME M	_
CIE .	Audio output voltage (V):	at at at a	¢



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Clause	Requirement – Test	Result – Remark	Verdict
Clause	requirement – rest	Tresuit – Tremark	Verdict
	Rated load impedance (Ω):	The same of	_
MULTE M	Requirements for temperature measurement	alter miter walter wall	N/A
E.3	Audio amplifier abnormal operating conditions	The state of	N/A
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND SAFEGUARDS	INSTRUCTIONAL	olly P.
F.1	General	TEX SLIER WITE WHITE W	P.
- Jek	Language	English	_
F.2	Letter symbols and graphical symbols	A STEE WITE WITE WALL WAL	√P
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	WALT.
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.	nei [®] P
F.3	Equipment markings	they my my my	Р
F.3.1	Equipment marking locations	The required marking is located on the enclosure of the equipment and is easily visible.	INLIEX
F.3.2	Equipment identification markings	See below for details.	Р
F.3.2.1	Manufacturer identification:	See copy of marking plate	P
F.3.2.2	Model identification:	See copy of marking plate	P
F.3.3	Equipment rating markings	See below for details.	Р
F.3.3.1	Equipment with direct connection to mains	Supplying by 5Vdc	N/A
F.3.3.2	Equipment without direct connection to mains	See above.	W P
F.3.3.3	Nature of the supply voltage:		N/A
F.3.3.4	Rated voltage:	NITER WALL WALL WALL	N/A
F.3.3.5	Rated frequency:	a state of the	N/A
F.3.3.6	Rated current or rated power:	The Walter Mary Mary And	N/A
F.3.3.7	Equipment with multiple supply connections	Single supply connection.	N/A
F.3.4	Voltage setting device	No voltage setting device.	N/A
F.3.5	Terminals and operating devices	at at at at	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings:	and any any any	N/A
F.3.5.2	Switch position identification marking	THE MULT WILL WILL V	N/A
F.3.5.3	Replacement fuse identification and rating markings	ex rest incress uncrest with	N/A
at the	Instructional safeguards for neutral fuse:		N/A
F.3.5.4	Replacement battery identification marking:	No such battery.	N/A



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Clause	EN IEC 62368-	Result – Remark	Verdict
Clause	Requirement – Test	Result – Remark	verdict
F.3.5.5	Neutral conductor terminal	No such parts.	N/A
F.3.5.6	Terminal marking location	alies while while while	N/A
F.3.6	Equipment markings related to equipment classification	Class III equipment	N/A
F.3.6.1	Class I equipment	W. M. M. M.	N/A
F.3.6.1.1	Protective earthing conductor terminal	TEX SITEX OUTER MOTES IN	N/A
F.3.6.1.2	Protective bonding conductor terminals	24, 24,	N/A
F.3.6.2	Equipment class marking	LIFE WITE WITE WILL WITE	N/A
F.3.6.3	Functional earthing terminal marking:	An A A O	N/A
F.3.7	Equipment IP rating marking	This equipment is classified as IPX0.	nu.
F.3.8	External power supply output marking:	THE STEE STEE SHIPE	N/A
F.3.9	Durability, legibility and permanence of marking	Marking is considered to be legible and easily discernible. See also the following details.	TEK 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.	PE VINLEY VIN
F.4	Instructions	The Mr. Mr. M.	Р
The Auth	a) Information prior to installation and initial use	See user manual	P
EK STEK	b) Equipment for use in locations where children not likely to be present	t it it	N/A
201	c) Instructions for installation and interconnection	mer mer mer m	N/A
WALTER	d) Equipment intended for use only in restricted access area	- THEK MALTER WALTER	N/A
Let .	e) Equipment intended to be fastened in place	The second second	N/A
We in	f) Instructions for audio equipment terminals	WILL MULL MULL MULL	N/A
TEX IE	g) Protective earthing used as a safeguard	at the self-	N/A
F 7614	h) Protective conductor current exceeding ES2 limits	The wait when when	N/A
Mr.	i) Graphic symbols used on equipment	et aliet wife and wh	N/A
LIEK (j) Permanently connected equipment not provided with all-pole mains switch	the the the The	N/A



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	EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict	
WILLER OF	k) Replaceable components or modules providing safeguard function	the text text	N/A	
32	Equipment containing insulating liquid	mur mur mi	N/A	
Life. Wi	m) Installation instructions for outdoor equipment	TEX SEX SUET OF	N/A	
F.5	Instructional safeguards	me me me	N/A	
G	COMPONENTS		P.	
G.1	Switches	- 14 14 14 1	N/A	
G.1.1	General	No switch used	N/A	
G.1.2	Ratings, endurance, spacing, maximum load	20, 2, 3	N/A	
G.1.3	Test method and compliance	ALTER WITE MALTE W	N/A	
G.2	Relays	74 T	N/A	
G.2.1	Requirements	No relay used.	N/A	
G.2.2	Overload test	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- N/A	
G.2.3	Relay controlling connectors supplying power to other equipment	MULLE WALL WALL	N/A	
G.2.4	Test method and compliance	ALTER MITE MALE	N/A	
G.3	Protective devices		N/A	
G.3.1	Thermal cut-offs	No such component	N/A	
TEX WALTE	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	The life out of	N/A	
t nitex	Thermal cut-outs tested as part of the equipment as indicated in c)	t get get gree	N/A	
G.3.1.2	Test method and compliance	The Ann An	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	out the let	N/A	
771	b) Thermal links tested as part of the equipment	VII MUT AUT AU	N/A	
G.3.2.2	Test method and compliance	et let let il	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	The tex tex	N/A	
G.3.5.1	Non-resettable devices suitably rated and marking provided	mari mari mari m	N/A	
G.3.5.2	Single faults conditions	LIET WALTE WALLE WAS	N/A	
G.4	Connectors	s st st st	N/A	
G.4.1	Spacings	No such component	N/A	
G.4.2	Mains connector configuration:	1 1 1	N/A	



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	EN IEC 62368-		1,,
Clause	Requirement – Test	Result – Remark	Verdict
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	THE THE THE	N/A
G.5	Wound components	an an	N/A
G.5.1	Wire insulation in wound components	No such component	N/A
G.5.1.2	Protection against mechanical stress	he m m	N/A
G.5.2	Endurance test	TER STER WITER WALL	N/A
G.5.2.1	General test requirements	74. 22. 4	N/A
G.5.2.2	Heat run test	ALTER MITER WALTER	N/A
dt.	Test time (days per cycle)	70 7	
no in	Test temperature (°C)	WILL WILL WILL A	Vr
G.5.2.3	Wound components supplied from the mains		N/A
G.5.2.4	No insulation breakdown	TIE MITTE MILL MA	N/A
G.5.3	Transformers	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
G.5.3.1	Compliance method	MULL MULL MULL	N/A
all like 1	Position	it set set	N/A
20, 20	Method of protection	White Mus Miss.	N/A
G.5.3.2	Insulation	LET STEEL	N/A
	Protection from displacement of windings:	2 20 20	_
G.5.3.3	Transformer overload tests	the ite is	N/A
G.5.3.3.1	Test conditions	The The The	N/A
G.5.3.3.2	Winding temperatures	I THE STEE WITE	N/A
G.5.3.3.3	Winding temperatures - alternative test method	The American	N/A
G.5.3.4	Transformers using FIW	LIEF WITH WITH	N/A
G.5.3.4.1	General	My An An	N/A
re and	FIW wire nominal diameter:	ALTER OLITER WALTER WAY	-
G.5.3.4.2	Transformers with basic insulation only		N/A
G.5.3.4.3	Transformers with double insulation or reinforced insulation:	THE WALLE MALLE WALL	N/A
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	White white white	N/A
G.5.3.4.5	Thermal cycling test and compliance	TEX TEX STEEL	N/A
G.5.3.4.6	Partial discharge test	me me me	N/A
G.5.3.4.7	Routine test	THE LIER SLIER WIL	N/A
G.5.4	Motors	No motors used.	N/A
G.5.4.1	General requirements	ex strex when which	N/A
G.5.4.2	Motor overload test conditions	20, 20, 40	N/A
G.5.4.3	Running overload test	LIEF STEE BLIEF	N/A



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	EN IEC 62368		707
Clause	Requirement – Test	Result – Remark	Verdict
05440	I calcad votan availand task	The with wines with	Mr. 10
G.5.4.4.2	Locked-rotor overload test		N/A
11, 11,	Test duration (days):	WHILE THE ME	n –
G.5.4.5	Running overload test for DC motors		N/A
G.5.4.5.2	Tested in the unit	write our and an	N/A
G.5.4.5.3	Alternative method	at the set of	N/A
G.5.4.6	Locked-rotor overload test for DC motors	River Mur Mur Mur	N/A
G.5.4.6.2	Tested in the unit	t at all all	N/A
20. 2	Maximum Temperature	ant, mer mer	N/A
G.5.4.6.3	Alternative method	. Let let let	N/A
G.5.4.7	Motors with capacitors	Mur. Aug. Aug. A.	N/A
G.5.4.8	Three-phase motors	the text of the	N/A
G.5.4.9	Series motors	high approximation and	N/A
	Operating voltage:	TEX TEX STEX STEE	_ in _
G.6	Wire Insulation	in the the	N/A
G.6.1	General	Only ES1 existed	N/A
G.6.2	Enamelled winding wire insulation	211 211 211	N/A
G.7	Mains supply cords	LEE MILIE W	N/A
G.7.1	General requirements	No such component	N/A
Me	Туре:	THE CLIFE WALL WALL	'z
G.7.2	Cross sectional area (mm² or AWG):		N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	its mile mile mil	N/A
G.7.3.2	Cord strain relief	LIER NIE MIE	N/A
G.7.3.2.1	Requirements	111, 11, 11,	N/A
The Maria	Strain relief test force (N)	LIEK OLIEK WALTER WA	N/A
G.7.3.2.2	Strain relief mechanism failure		N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	I Et MITE WALTER WALTE	N/A
G.7.3.2.4	Strain relief and cord anchorage material		N/A
G.7.4	Cord Entry	E WILL MILE MULT	N/A
G.7.5	Non-detachable cord bend protection	a de de	N/A
G.7.5.1	Requirements	WILLER WALLE MALL ON	N/A
G.7.5.2	Test method and compliance		N/A
t The	Overall diameter or minor overall dimension, <i>D</i> (mm)	With Mile Mile Mile	- 1
any.	Radius of curvature after test (mm):	Tet antier white white	m, _
G.7.6	Supply wiring space		4



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-20,	EN IEC 62368-	10 art are are	50. 0.
Clause	Requirement – Test	Result – Remark	Verdict
G.7.6.1	General requirements	The court of the say	N/A
G.7.6.2	Stranded wire	all the title the	N/A
G.7.6.2.1	Requirements	Maria Cara Cara	N/A
G.7.6.2.1	Test with 8 mm strand	TET TET STEET STEET	N/A
G.7.0.2.2	Varistors	her me me m	N/A
G.8.1	General requirements	No such component	N/A
G.8.2	Safeguards against fire	No such component	N/A
G.8.2.1	General	t the write will wh	N/A
G.8.2.1	Varistor overload test	Mr. In A.	t-
G.8.2.3		ALIER ALIER ATTERNATIVE	N/A
- J	Temporary overvoltage test	Mr. M. M.	N/A
G.9	Integrated circuit (IC) current limiters	No quob componert	N/A
G.9.1	Requirements	No such component	N/A
nur.	IC limiter output current (max. 5A)	Et Will Mill Mill on	_
0.00	Manufacturers' defined drift:	A 15 15 1	
G.9.2	Test Program	WILL WALL MALL WALL WALL	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	The way were a	N/A
G.10.3	Resistor test	the set of the set	N/A
G.10.4	Voltage surge test	THEY WILL THE MILE	N/A
G.10.5	Impulse test	THE CONTRACTOR	N/A
G.10.6	Overload test	mer, mer, mer, my	N/A
G.11	Capacitors and RC units	it get get gret	N/A
G.11.1	General requirements	No such component	N/A
G.11.2	Conditioning of capacitors and RC units	of get get get	N/A
G.11.3	Rules for selecting capacitors	ne ar an a	N/A
G.12	Optocouplers	t the the tier wi	N/A
ister as	Optocouplers comply with IEC 60747-5-5 with specifics	No such component	N/A
1. 10,	Type test voltage V _{ini,a} :	MUTT, MUT, MUT, MUT, MUT,	_
TEK OLTE	Routine test voltage, V _{ini, b} :	et let let liet	_
G.13	Printed boards	The Mary May All A	N/A
G.13.1	General requirements	Only need to comply with functional insulation, see only B.4.4.	N/A
G.13.2	Uncoated printed boards	LIER SLIER WITE WILL	N/A



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01	EN IEC 62368-	711. 72. 7	N/ 12 /
Clause	Requirement – Test	Result – Remark	Verdict
G.13.3	Coated printed boards	The August My	N/A
G.13.4	Insulation between conductors on the same inner surface	WHITE WHITE WHITE	N/A
G.13.5	Insulation between conductors on different surfaces	NLIER WHITER WHITER WH	N/A
IEK NITER	Distance through insulation	at all all of	N/A
10,	Number of insulation layers (pcs)	in my m	
G.13.6	Tests on coated printed boards	t get get get	N/A
G.13.6.1	Sample preparation and preliminary inspection	The Mr. Mr.	N/A
G.13.6.2	Test method and compliance	TEX SEX STEEL	N/A
G.14	Coating on components terminals	m m m	N/A
G.14.1	Requirements	THE STEE STEE STEE	N/A
G.15	Pressurized liquid filled components	10 24 24 24 24 24 24 24 24 24 24 24 24 24	L N/A
G.15.1	Requirements	No such component	N/A
G.15.2	Test methods and compliance	The state of the	N/A
G.15.2.1	Hydrostatic pressure test	ALTER MALTER MALTER	N/A
G.15.2.2	Creep resistance test		N/A
G.15.2.3	Tubing and fittings compatibility test	" Murie Mu	N/A
G.15.2.4	Vibration test	4	N/A
G.15.2.5	Thermal cycling test	The WALL AND AND	N/A
G.15.2.6	Force test	L St SET SET	N/A
G.15.3	Compliance	MULL MULL MULL	N/A
G.16	IC including capacitor discharge function (ICX)	LIK TEK TEK	N/A
G.16.1	Condition for fault tested is not required	No such component	N/A
LTER MIT	ICX with associated circuitry tested in equipment	TEK TEK TEK N	N/A
1 4	ICX tested separately	ive me in m	N/A
G.16.2	Tests	EF STEF STEF MITE	N/A
NITEK (Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	the text text	
20, A	Mains voltage that impulses to be superimposed on	Mur Aur Mur	16th —
	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test	MULLE MULLE MULLE M	<u> </u>
G.16.3	Capacitor discharge test	LIER OLIER MILE MAL	N/A
Н	CRITERIA FOR TELEPHONE RINGING SIGNALS	S	N/A
H.1	General	ier witer with white	N/A
H.2	Method A	71 J & 24	N/A
H.3	Method B	alter outer andie	N/A



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01	EN IEC 62368-	2, 3, 3, 3,	1,7
Clause	Requirement – Test	Result – Remark	Verdict
H.3.1	Ringing signal	No telephone ringing signal generated within the equipment.	N/A
H.3.1.1	Frequency (Hz):	at at the text of	_
H.3.1.2	Voltage (V)		_
H.3.1.3	Cadence; time (s) and voltage (V):	Et TEX TEX STEE	_
H.3.1.4	Single fault current (mA):	, me me m	_
H.3.2	Tripping device and monitoring voltage	t jet stet nitet miter an	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	and an artist active	N/A
H.3.2.2	Tripping device	mur mur mur mi	N/A
H.3.2.3	Monitoring voltage (V)	the the tier with	N/A
J	INSULATED WINDING WIRES FOR USE WITHOUNSULATION	OUT INTERLEAVED	N/A
J.1	General	to mit and any a	N/A
CLIER I	Winding wire insulation:	the text little of	× —
10, 1	Solid round winding wire, diameter (mm):	Were My My My	N/A
nlife whi	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²):	MALTER WALTE	N/A
J.2/J.3	Tests and Manufacturing	the state	NITEK I
K	SAFETY INTERLOCKS		N/A
K.1	General requirements		N/A
THE T	Instructional safeguard:	No safety interlock provided within the equipment.	N/A
K.2	Components of safety interlock safeguard med	hanism	N/A
K.3	Inadvertent change of operating mode	the set set set	N/A
K.4	Interlock safeguard override	AUT, AUT, MUT, AUT,	N/A
K.5	Fail-safe	of let tet tet	N/A
K.5.1	Under single fault condition	me me me	N/A
K.6	Mechanically operated safety interlocks	the text step step in	N/A
K.6.1	Endurance requirement	Mr. Mr. M. A.	N/A
K.6.2	Test method and compliance	TEX SIEK OLITER SPLIN	N/A
K.7	Interlock circuit isolation	my my	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements	LIFE MILIER WILLER MILIER	N/A
MALTE	In circuit connected to mains, separation distance for contact gaps (mm)	EL WALLER WALLER OF	N/A
	In circuit isolated from mains, separation distance for contact gaps (mm):	LIES SLIES SLIES SINL	N/A



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EN IEC 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict		
"No.	The state of the state of	Ex MILL MILL MAL	40		
. There is	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):	Mr. Mr. Mr. An.	N/A		
K.7.3	Endurance test	TEX LIEX NUTER MUTER	N/A		
K.7.4	Electric strength test	We all and and	N/A		
L	DISCONNECT DEVICES		N/A		
L.1	General requirements	711 111	N/A		
L.2	Permanently connected equipment	A STEEL WITE WITE WITE WHI	N/A		
L.3	Parts that remain energized	Shi za st	N/A		
L.4	Single-phase equipment	ALTER MILE WALLE	N/A		
L.5-	Three-phase equipment	The state of	N/A		
L.6	Switches as disconnect devices	LIFE MITE MILL WILL	N/A		
L.7	Plugs as disconnect devices	e to the state	N/A		
L.8	Multiple power sources	es unit mui m	N/A		
- TEX	Instructional safeguard:	A St. St. St.	N/A		
M	EQUIPMENT CONTAINING BATTERIES AND TH	HEIR PROTECTION CIRCUITS	Р		
M.1	General requirements		νP		
M.2	Safety of batteries and their cells	2 Aug Aug	Р		
M.2.1	Batteries and their cells comply with relevant IEC standards:	Approved battery pack used	NITE RIF		
M.3	Protection circuits for batteries provided within the equipment	* TITEL MITEL WAITER WAY	EK P.		
M.3.1	Requirements	7 × × ×	P		
M.3.2	Test method	CLIEB WILL WILL MILL	△ P		
LIFEY MAL	Overcharging of a rechargeable battery	(See appended table Annex M)	UNLITE'P		
EK MLTEK	Excessive discharging	(See appended table Annex M)	TEK P		
CLER	Unintentional charging of a non-rechargeable battery	No such battery used	N/A		
Mr. /	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	WA P		
M.4	Additional safeguards for equipment containing a portable secondary lithium battery		Р		
M.4.1	General	at at the of	Р		



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Clause	Requirement – Test	Result – Remark	Verdict
Jiduse	Troquilononi 165t	Result Remain	Volulot
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.	PROVINCES AND STREET
M.4.2.1	Requirements	t at all all a	N/A
M.4.2.2	Compliance	(See appended table M.4.2)	Р
M.4.3	Fire enclosure	V-1 fire enclosure used	Р
M.4.4	Drop test of equipment containing a secondary lithium battery	and any an an	P
M.4.4.2	Preparation and procedure for the drop test	THE MULT MUT MUT A	P
M.4.4.3	Drop, Voltage on reference and dropped batteries (V); voltage difference during 24 h period (%)::	The voltage difference not exceed 5%.	TEK P
M.4.4.4	Check of the charge/discharge function	Three complete discharge and charge cycles under normal operating conditions.	¢ P¢
M.4.4.5	Charge / discharge cycle test	No fire, explosion and any electrolyte leakage	unti P
M.4.4.6	Compliance	the left	JE P
M.5	Risk of burn due to short-circuit during carrying		Р
M.5.1	Requirement	No bare conductive terminal used	EX P.S
M.5.2	Test method and compliance	a st st st	N/A
M.6	Safeguards against short-circuits		ALL P
M.6.1	External and internal faults	at at let let	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.	
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
A L	Calculated hydrogen generation rate:	10. 20. 20. 1	N/A
M.7.2	Test method and compliance	TEX STEK WITH WALTER	N/A
	Minimum air flow rate, Q (m³/h)	70 x x	N/A
M.7.3	Ventilation tests	it nites with white white	N/A
M.7.3.1	General	The second second	N/A
M.7.3.2	Ventilation test – alternative 1	ALTER MITE WALL WALL	N/A



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Clause	Deguirement Test	Decult Demark	Verdict
Clause	Requirement – Test	Result – Remark	verdict
	Hydrogen gas concentration (%)	m m m	N/A
M.7.3.3	Ventilation test – alternative 2	alies wife while while	N/A
at .	Obtained hydrogen generation rate	The state of	N/A
M.7.3.4	Ventilation test – alternative 3	RETER UNLIE WALL WALL	N/A
EH SE	Hydrogen gas concentration (%)	a start set	N/A
M.7.4	Marking:	ite until until until u	N/A
M.8	Protection against internal ignition from external spark sources of batteries with aqueous electrolyte		N/A
M.8.1	General	The state of	N/A
M.8.2	Test method	THE WILL MILL MALL	N/A
M.8.2.1	General	The second second	N/A
M.8.2.2	Estimation of hypothetical volume V_Z (m ³ /s):	LIE WILL WILL WILL	11/2 7
M.8.2.3	Correction factors	of at at at	218th - 2
M.8.2.4	Calculation of distance d (mm):	MULL MALL MALL M	4
M.9	Preventing electrolyte spillage	- let let itelt als	N/A
M.9.1	Protection from electrolyte spillage	Mur Mr Mr	N/A
M.9.2	Tray for preventing electrolyte spillage	it Tier wife	N/A
M.10	Instructions to prevent reasonably foreseeable misuse	To the little	N/A
10	Instructional safeguard	the many many many a	N/A
N STEEL	ELECTROCHEMICAL POTENTIALS	of rest rest lites in	N/A
4,	Material(s) used:		
0.5	MEASUREMENT OF CREEPAGE DISTANCES AND CLEARANCES		N/A
	Value of X (mm):	me me me	- A
Principality	SAFEGUARDS AGAINST CONDUCTIVE OBJECTS		P.
P.1	General	See below	Р
P.2	Safeguards against entry or consequences of e	entry of a foreign object	Р
P.2.1	General	20 20	P.
P.2.2	Safeguards against entry of a foreign object	- NITER MITE WALL MALE	₩P
All .	Location and Dimensions (mm)	No opening.	100
P.2.3	Safeguards against the consequences of entry of a foreign object	MULLE MULL MULL MULL	N/A
P.2.3.1	Safeguard requirements	TEX STEE WITE WATER	N/A
* JUNITER	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment	at the lifet wifet	N/A
	Transportable equipment with metalized plastic parts	who the text of	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
Clause	Requirement – Test	Result – Remark	verdict
P.2.3.2	Consequence of entry test:	With the table of table o	N/A
P.3	Safeguards against spillage of internal liquids		N/A
P.3.1	General	No such liquids.	N/A
P.3.2	Determination of spillage consequences	WITE WALLE WALL WALL	N/A
P.3.3	Spillage safeguards	and the set	N/A
P.3.4	Compliance	TER MALTE MALL MALL W	N/A
P.4	Metallized coatings and adhesives securing pa	ırts	N/A
P.4.1	General	No such construction.	N/A
P.4.2	Tests	at get get get	N/A
	Conditioning, T _C (°C):	mer me me m	
LIER	Duration (weeks)	TEX TEX LIER NITER	WITE.
Q	CIRCUITS INTENDED FOR INTERCONNECTION	WITH BUILDING WIRING	N/A
Q.1	Limited power sources	Et TET STEE STEE STEEL ST	N/A
Q.1.1	Requirements	41, 41, 41,	N/A
White a	a) Inherently limited output	LIET ALTER MITER MAIN	N/A
<i>*</i>	b) Impedance limited output	Mr. Mr. A.	N/A
Vrie All	c) Regulating network limited output	LEE MILL WILL	N/A
at de	d) Overcurrent protective device limited output		N/A
in the	e) IC current limiter complying with G.9	LIER MITE WALL WALL V	N/A
Q.1.2	Test method and compliance	See below	N/A
ZIL.	Current rating of overcurrent protective device (A)	MULLE MULLE MULLE MA	N/A
Q.2	Test for external circuits – paired conductor cable	No such circuit for connection to the EUT	N/A
LTER MIL	Maximum output current (A):	TEX TEX STEX WITH	N/A
- N	Current limiting method	hr m. n. n.	\
R	LIMITED SHORT CIRCUIT TEST	TEX LITER NUTER MILITER W	N/A
R.1	General de la	No such consideration.	N/A
R.2	Test setup	LIER WITER WHILE MAIL	N/A
a like	Overcurrent protective device for test:	70 T A A	4
R.3	Test method	INLIE WALL WALL WALL	N/A
All A	Cord/cable used for test	the state	(1EX-
R.4	Compliance	LIE WALTE WALTE WALTE	N/A
S JE	TESTS FOR RESISTANCE TO HEAT AND FIRE	a state of	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
West 1	Samples, material:	THE OUT TO THE MALL	"Aller



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Clause	Requirement – Test	Result – Remark	Verdict
Clause	Requirement – Test	Result – Remark	Verdict
.et	Wall thickness (mm)		
Mary a	Conditioning (°C)	CLIEB MLTE MILIE	mer me
NITEK WA	Test flame according to IEC 60695-11-5 with conditions as set out	THE STEE STEEL	N/A
A 0	- Material not consumed completely	1. 10. 2.	N/A
MULL	- Material extinguishes within 30s	TEX STIER WITE MA	N/A
- (6)	- No burning of layer or wrapping tissue	10 00	N/A
S.2	Flammability test for fire enclosure and fire barrier integrity		
	Samples, material:	a st set	16th 5th
100 10	Wall thickness (mm)	WALTER WALTE WALT	mr mr
Cler C	Conditioning (°C)	at the set	TEK JEK.
S.3	Flammability test for the bottom of a fire enclose	sure which will all	N/A
S.3.1	Mounting of samples	of set set s	N/A
S.3.2	Test method and compliance	Mur me m	N/A
	Mounting of samples	LET TEX STER	OLIVE MILLE
	Wall thickness (mm)	Mr. An	T 74
S.4	Flammability classification of materials	LET STEEL	N/A
S.5	Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W	Life Marile Marile Mar	N/A
t JEST	Samples, material:	e st sit si	of the second
2112	Wall thickness (mm)	MULL MULL MULL	20, 20,
SLIFER OF	Conditioning (°C)	LEK TEK TEK	NITE NITE
Ť	MECHANICAL STRENGTH TESTS		N/A
T.1	General		N/A
T.2	Steady force test, 10 N:	her me me n	N/A
T.3	Steady force test, 30 N:	the little with the	N/A
T.4	Steady force test, 100 N:	"ML AN A"	N/A
T.5	Steady force test, 250 N:	- LIER WITER WITE	N/A
T.6	Enclosure impact test	All As A	N/A
iver. an	Fall test	OLITER WILLER WALTER	N/A
TEN ST	Swing test	a at at	N/A
T.7	Drop test:	LIE MALTE WALL WI	N/A
T.8	Stress relief test:	A ST ST ST	N/A
T.9	Glass Impact Test:	No such glass	N/A
T.10	Glass fragmentation test	the state of	N/A



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

200	1.0.4		100
W.	Number of particles counted:	No such glass	N/A
T.11	Test for telescoping or rod antennas	LIEF ALTER MITTER MALIE	N/A
TIEK W	Torque value (Nm):	No such antennas provided within the equipment.	N/A
U	MECHANICAL STRENGTH OF CATHODE RAY TUBES (CRT) AND PROTECTION AGAINST THE EFFECTS OF IMPLOSION		N/A
U.1	General Company of the Company of th		N/A
MALIE	Instructional safeguard:	No CRT provided within the equipment.	N/A
U.2	Test method and compliance for non-intrinsical	ly protected CRTs	N/A
U.3	Protective screen	white Mrs. Mrs. Mrs.	N/A
Ve ^{tt} C	DETERMINATION OF ACCESSIBLE PARTS	et let let liet	N/A
V.1	Accessible parts of equipment	VIII MUST AND MAN AND A	N/A
V.1.1	General	et tet tet tiet tiet o	N/A
V.1.2	Surfaces and openings tested with jointed test probes	and any off the in	N/A
V.1.3	Openings tested with straight unjointed test probes	White Man was all	N/A
V.1.4	Plugs, jacks, connectors tested with blunt probe	at the lifet	N/A
V.1.5	Slot openings tested with wedge probe	- a language	N/A
V.1.6	Terminals tested with rigid test wire	THE THE STATE OF	N/A
V.2	Accessible part criterion		N/A
X	ALTERNATIVE METHOD FOR DETERMINING CLEARANCES FOR INSULATION IN CIRCUITS CONNECTED TO AN AC MAINS NOT EXCEEDING 420 V PEAK (300 V RMS)		
are a	Clearance:	NITER MITE MILIE WILL	N/A
Y.	CONSTRUCTION REQUIREMENTS FOR OUTDOOR ENCLOSURES		N/A
Y.1	General	Indoor equipment	N/A
Y.2	Resistance to UV radiation		N/A
Y.3	Resistance to corrosion	it will make my m	N/A
Y.3	Resistance to corrosion	t at all the s	N/A
Y.3.1	Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by	Must Aug and Aug	N/A
Y.3.2	Test apparatus	WILL WILL MILL WALL	N/A
Y.3.3	Water – saturated sulphur dioxide atmosphere	L A A A CH	N/A
Y.3.4	Test procedure	The Water Mary Mary	N/A
Y.3.5	Compliance	at the fifth	N/A
Y.4	Gaskets	MULL MULL MULL MILL	N/A
Y.4.1	General	A A A	N/A



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	EN IEC 62368-	1. The merit will out	
Clause	Requirement – Test	Result – Remark	Verdict
ale	The the time of the time of	THE STATE WITH MINE	The All
Y.4.2	Gasket tests	10 20	N/A
Y.4.3	Tensile strength and elongation tests	NITER WITE WITE	N/A
all .	Alternative test methods	20 T	N/A
Y.4.4	Compression test	OLITER MALTE WALLE	N/A
Y.4.5	Oil resistance	1 1	N/A
Y.4.6	Securing means	iff while while whi	N/A
Y.5	Protection of equipment within an outdoor enclo	osure	N/A
Y.5.1	General	Will Mr. Mr.	N/A
Y.5.2	Protection from moisture	at at the	N/A
11. 20.	Relevant tests of IEC 60529 or Y.5.3:	White Aug. Mar.	N/A
Y.5.3	Water spray test	at let set.	√ N/A
Y.5.4	Protection from plants and vermin	in my my m	N/A
Y.5.5	Protection from excessive dust	Et TEX STEX SET	N/A
Y.5.5.1	General	Mr. M. M.	N/A
Y.5.5.2	IP5X equipment	TEN LITER SLITER	N/A
Y.5.5.3	IP6X equipment	Mr. Mr. m.	N/A
Y.6	Mechanical strength of enclosures	LEE MITTE	N/A
Y.6.1	General	2 3	N/A
Y.6.2	Impact test:	TE LITE WITH WA	N/A



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U,	nu.	411, 411, 411	EN IEC 62368-1	TER MITE MALLE	Mrr. M	21/2
	Clause	Requirement – Test	in the same of	Result – Remark	et d	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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Very aller	CENELEC COMMON MODIFICATIONS (EN)	The Mile Mile Mari	Р
whitet w	Clause numbers in the cells that are shaded light g IEC 62368-1:2020+A11:2020. All other clause num those in the paragraph below, refers to IEC 62368-Clauses, subclauses, notes, tables, figures and ant those in IEC 62368-1:2018 are prefixed "Z".	nbers in that column, except for 1:2018.	EK PITEK WALTEK
AUT WAS	Add the following annexes: Annex ZA (normative)Normative references to interr corresponding European publications Annex ZB (normative)Special national conditions Annex ZC (informative)A-deviations Annex ZD (informative)IEC and CENELEC code decoded	tier muit white and	PWA
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. $E = \int_{0}^{T} p(t)^2 \mathrm{d}t$	ONLIER WHITE	N/A



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

Clause	Trequirement – rest	Mesuit – Memark	Veruici
- Mr.	The state of the state of	the state of the s	7/11
3.3.19.4	sound exposure level, SEL logarithmic measure of sound exposure relative to a reference value, <i>E</i> ₀ , typically the 1 kHz threshold of hearing in humans.	united whited whited white	N/A
	Note 1 to entry: SEL is measured as A-weighted levels in dB.	et tet itet stet	Will Mi
	$SEL = 10 \lg \left(\frac{E}{E_0}\right) dB$	while while with	TE VINLIER
NITEK IN	Note 2 to entry: See B.4 of EN 50332-3:2017 for additional information.	at let lift life	F WITE
3.3.19.5	digital signal level relative to full scale, dBFS	her the the th	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	on trek wat
MINITER 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 WILLEK
2	Modification to Clause 10		N/A
10.6	Safeguards against acoustic energy sources		N/A
alex	Replace 10.6 of IEC 62368-1 with the following:	TER WILL MULT MULL	n an
10.6.1.1	Introduction	Not such equipment	N/A
	Safeguard requirements for protection against long-term exposure to excessive sound pressure levels from personal music players closely coupled to the ear are specified below. Requirements for earphones and headphones intended for use with personal music players are also covered. A personal music player is a portable equipment intended for use by an ordinary person, that:	United white white white white	MILIER WA
	 is designed to allow the user to listen to audio or audiovisual content / material; and uses a listening device, such as headphones or earphones that can be worn in or on or around the ears; and has a player that can be body worn (of a size suitable to be carried in a clothing pocket) and is intended for the user to walk around with while in continuous use (for example, on a street, in a subway, at an airport, etc.). 	Whitek	NO WALTER WAL
	EXAMPLES Portable CD players, MP3 audio players, mobile phones with MP3 type features, PDAs or similar equipment.	t whilet whilet whilet w	LITE
	Personal music players shall comply with the		* 11



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
- an-	NOTE 1 Protection against acoustic energy sources from	The transfer of the	m. m
	telecom applications is referenced to ITU-T P.360.	L A A	TEX TEX
	NOTE 2 It is the intention of the Committee to allow the alternative methods for now, but to only use the dose measurement method as given in 10.6.5 in future. Therefore, manufacturers are encouraged to implement 10.6.5 as soon as possible.	untited untited untited on	outer whitek w
	Listening devices sold separately shall comply with the requirements of 10.6.6. These requirements are valid for music or video mode only. The requirements do not apply to:	EX WHITEX WHITEX WHITEX	EX WILLEY
	- professional equipment;	The state of the s	at let
	NOTE 3Professional equipment is equipment sold through special sales channels. All products sold through normal electronics stores are considered not to be professional equipment.	Miller Whiter White a	iner on the
	hearing aid equipment and other devices for assistive listening; the following type of analogue personal music players:	* MILIER MILIER MILIER	MULLER MULL
	long distance radio receiver (for example, a multiband radio receiver or world band radio receiver, an AM radio receiver), and cassette player/recorder;	Whitek whitek whiteh	WALTER WALTER
	NOTE 4 This exemption has been allowed because this 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 extended to other technologies.	THE WALL WALL WALL	Ex my tex my
	 a player while connected to an external amplifier that does not allow the user to walk around while in use. 	Whitek Mutek Muter	White White
	For equipment that is clearly designed or intended primarily for use by children, the limits of the relevant toy standards may apply.	MULLER MULLER MULLER AND	res martes on
ek watter	The relevant requirements are given in EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	it writes writes write	ex while whi
10.6.1.2	Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz	NITER WITER WALTER	N/A
	The amount of non-ionizing radiation is regulated by European Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz). For intentional radiators, ICNIRP guidelines should be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (up to 300 GHz). For handheld and body mounted devices, attention is	t Tet Tet Will	ALTEK UNITER UNI



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Ville Murit	Mir Aug Aug W	EN IEC 62368-1	ries Alleria
Clause	Requirement – Test	Result – Remark	Verdict

10.6.2	Classification of devices without the capacity to estimate sound dose		N/A
10.6.2.1	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.	Not such equipment	N/A
	For classifying the acoustic output $L_{\text{Aeq},\tau}$, measurements are based on the A-weighted equivalent sound pressure level over a 30 s period.	Whitek whitek whitek white	ite unit
	For music where the average sound pressure (long term $L_{Aeq, \tau}$) 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.	TEX WILLEX WILLEX WILLEY	on text on the state of the sta
	NOTE Classical music, acoustic music and broadcast typically has an average sound pressure (long term $L_{Aeq,7}$) 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 acknowledgement as long as the average sound level of the song is not above the basic limit of 85 dB.	white	t white white
10.6.2.2 THE WILLIES	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 <i>L</i> Aeq, <i>τ</i> 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	UNLIEK WALTER WA	N/A IN LIFE IN LIFE



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

	rtoquiromont root		SY15.55
10.6.2.3	RS2 limits (to be superseded, see 10.6.3.3)	There shere the m	P
10.6.2.3 SUPER WALTER WALTER WALTER WALTER WALTER WALTER	RS2 limits (to be superseded, see 10.6.3.3) RS2 is a class 2 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or when the combination of player and listening device is known by other means such as setting or automatic 130 detection, the <i>L</i> Aeq, <i>T</i> acoustic output shall be ≤ 100 dB(A) when playing the fixed "programme simulation noise" as described in EN 50332-1. — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 150 mV (analogue interface) or -10 dBFS (digital	JUNITER WHITER WHITER WHITER STEET WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER TEX WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER	EX WILLEY WILL WILL WILL WILL WILL WILL WILL WIL
	interface) when playing the fixed "programme simulation noise" as described in EN 50332-1.	et the sites with	NLTEX MILE
10.6.2.4	RS3 limits RS3 is a class 3 acoustic energy source that exceeds RS2 limits.	White write white whi	N/A
10.6.3	Classification of devices (new)	the state of	N/A
0.6.3.1	General	Not such equipment	N/A
EK WALTER	Previous limits (10.6.2) created abundant false negative and false positive PMP sound level warnings. New limits, compliant with The Commission Decision of 23 June 2009, are given below.	TEK STEK STEK STEK	un itik uni itik unitik
0.6.3.2	RS1 limits (new)	W. 12, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13	N/A
	RS1 is a class 1 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the <i>L</i> Aeq, <i>τ</i> 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.	Whitek wh	MILIER WAS
10.6.3.3	RS2 limits (new)	MILE WILL WILLE	N/A
	RS2 is a class 2 acoustic energy source that does not exceed the following: – for equipment provided as a package (player	Writes writes miles wit	EX MALTER



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
WILLER WILL WILLER WILL WILLER WILLER WILLER WILLER WILLER WILLER WILLER WILL WILLER WILL WILLER WILL WILL WILL WILL WILL WILL WILL WIL	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.	AND TEX WALTER W	ALTER WALTER WALT WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER
10.6.4	Requirements for maximum sound exposure	THE MUTE AND MUTE	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	Not such equipment	N/A
10.6.4.2	EN 50332-1 or EN 50332-2 as applicable. Protection of persons	at Tiet at	P
SEK WALTE	Except as given below, protection requirements for parts accessible to ordinary persons, instructed persons and skilled persons are given in 4.3.	it until until until	t while wh
	NOTE 1 Volume control is not considered a safeguard .	WALTER WALTE WALL	mr. mr.
	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.	untitek whitek whitek whitek	WHITEK WATER
	The elements of the instructional safeguard shall be as follows:	MALIER MALIER MALIER	INLIER WINLIER
	- element 1a: the symbol , IEC 60417-6044 (2011-01) - element 2: "High sound pressure" or equivalent wording - element 3: "Hearing damage risk" or equivalent	Martel untilet untilet until	TEX MITEX
	wording – element 4: "Do not listen at high volume levels for long periods." or equivalent wording	JUNETER WHITER WHITER	White White
	10 10 10 10 10 10 10 10 10 10 10 10 10 1	1 1 1	160



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10,	EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict	
ale .	THE THE TENT	LITE WITH MALL	me m	
	of an ordinary person to an RS2 source without intentional physical action from the ordinary person and shall automatically return to an output level not exceeding what is specified for an RS1 source when the power is switched off. The equipment shall provide a means to actively	antifek whitek whitek wh	UNLIES WILITES	
	inform the user of the increased sound level when the equipment is operated with an output exceeding RS1. Any means used shall be acknowledged by the user before activating a mode of operation which allows for an output exceeding RS1. The acknowledgement does not need to be repeated more than once every 20 h of cumulative listening time.	EX WALTER WALTER WALTER WALTER WALTER	White white	
	NOTE 2 Examples of means include visual or audible signals. Action from the user is always needed. NOTE 3 The 20 h listening time is the accumulative listening	TEX WALTER WALTER WAL	SER W STER W	
	time, independent of how often and how long the personal music player has been switched off. A skilled person shall not be unintentionally	the multiple multiple multiple	WAL WAL	
Wer. a	exposed to RS3.	THE MALLE WILL	NUT. MUT.	
10.6.5	Requirements for dose-based systems		N/A	
10.6.5.1	General requirements Personal music players shall give the warnings as provided below when tested according to EN 50332-3, using the limits from this clause. The manufacturer may offer optional settings to allow the users to modify when and how they wish to receive the notifications and warnings to promote a better user experience without defeating the safeguards. This allows the users to be informed in a method that best meets their physical capabilities and device usage needs. If such optional settings are offered, an administrator (for example, parental restrictions, business/educational administrators, etc.) shall be able to lock any optional settings into a specific configuration. The personal music player shall be supplied with easy to understand explanation to the user of the	Not such equipment	N/A EX WAS MALE MALE	
ncir white Text white * Text	dose management system, the risks involved, and how to use the system safely. The user shall be made aware that other sources may significantly contribute to their sound exposure, for example work, transportation, concerts, clubs, cinema, car races, etc.	Miles Mulies Meller Mil	err mr. en	
10.6.5.2	Dose-based warning and requirements When a dose of 100 % CSD is reached, and at least at every 100 % further increase of CSD, the device shall warn the user and require an	White white white	N/A	



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- 2	EN IEC 62368-1	re all all all	72.
Clause	Requirement – Test	Result – Remark	Verdict
alle.	M W TEX ST	The water about	we we
	acknowledgement. In case the user does not	200	14 14 Et
	acknowledge, the output level shall automatically decrease to compliance with class RS1.	THE STEE STEE	WILL WILL
	decrease to compliance with class NoT.	We are a	
	The warning shall at least clearly indicate that	a to the state of	CENT SERVE
	listening above 100 % CSD leads to the risk of	LIFET NITE INLIVE WAY	10 10
	hearing damage or loss.	20 20 20 20	
0.6.5.3	Exposure-based requirements	It Let LET JE	N/A
10	With only dose-based requirements, cause and	auti wer we	411. 20.
	effect could be far separated in time, defying the	- L	20- 20
	purpose of educating users about safe listening	THE LITTER STATE	with white
	practice. In addition to dose-based requirements,	The The In	
	a PMP shall therefore also put a limit to the short-	at at at	TEX TEX
	term sound level a user can listen at.	alifer mile anti m	in the
	The expecting based limiter (CL) shall	10, 20,	at at
	The exposure-based limiter (EL) shall automatically reduce the sound level not to exceed	LET JET JET JE	The ST
	100 dB(A) or 150 mV integrated over the past 180	in we we	20 20
	s, based on methodology defined in EN 50332-3.		** ** **
	The EL settling time (time from starting level	ex life alie mile	ave ave
	reduction to reaching target output) shall be 10 s	24, 24, 25,	
	or faster.	at at the	THE LITE
	Total of El. 6 mostion eliteria and deliteral and ordered	WILL WILL WALL	20.
	Test of EL functionality is conducted according to EN 50332-3, using the limits from this clause. For		* 1
	equipment provided as a package (player with its	LEE STEEL ON	The Spilling
	listening device), the level integrated over 180 s	- 1 In 20.	
	shall be 100 dB or lower. For equipment provided	4 1	t litt
	with a standardized connector, the unweighted	THE NAME OF THE PARTY	m m
	level integrated over 180 s shall be no more than	70, 2, ,	
	150 mV for an analogue interface and no more	LE THE THE	Tile Will
	than -10 dBFS for a digital interface.	anti with whi	ing in
	NOTE In case the source is known not to be music (or test	1 x	et et
recorder	signal), the EL may be disabled.	THE STATE OF THE	Mr. Mr.
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	211 22	4.
	listening device, and with the volume and sound	A BY THE THE	TO THE WAY
	settings in the listening device (for example, built-	West wife and	21/2 22
	in volume level control, additional sound features like equalization, etc.) set to the combination of		18 A
	positions that maximize the measured acoustic	TEX LIFE OLIVE	inlie when
	output, the input voltage of the listening device	The My My	
	when playing the fixed "programme simulation	A A A	TEX JEE
	noise" as described in EN 50332-1 shall be ≥ 75	SLIE MITE SIRLY WA	1/1/2
	mV.	10. 10.	+ 2+
	NOTE The values of 94 dB and 75 mV correspond with 85 dB	et let let let	11/2 11
-20,	and 27 mV or 100 dB and 150 mV.	y mur mur m	20, 2,
0000	Corded listening devices with digital input	t at at at	N/A
0.6.6.2		The second secon	- CI
0.6.6.2	With any playing device playing the fixed	are are are	20.
0.6.6.2	With any playing device playing the fixed "programme simulation noise" described in EN 50332-1, and with the volume and sound settings	mer me m	it it



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	EN IEC 62368-1	the wife with and	
Clause	Requirement – Test	Result – Remark	Verdict
alle.	WIT THE ST	ALTE MET MALE	The The
Whitek Whit	level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the $L_{Aeq,\tau}$ acoustic output of the listening device shall be \leq 100 dB with an input signal of - 10 dBFS.	antitek mitek metek	united united
10.6.6.3	Cordless listening devices		N/A
Whitek wh	In cordless mode, — with any playing and transmitting device playing the fixed programme simulation noise described in EN 50332-1; and — respecting the cordless transmission standards, where an air interface standard exists that specifies the equivalent acoustic level; and — with volume and sound settings in the receiving device (for example, built-in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output for the above mentioned programme simulation noise, the ∠Aeq, τ acoustic output of the listening device shall be ≤ 100 dB with an input signal of -10 dBFS.	ANLIER WHITE WHITE WAS	WINE WINE WINE WAS TEXT WAS TEXT WAS TEXT WINE TEXT WINE TEXT WAS
10.6.6.4	Measurement method	Will will will	N/A
NITES AND	Measurements shall be made in accordance with EN 50332-2 as applicable.	at Matt	LIFE NITES IN
3	Modification to the whole document		Р



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

ele		ent is restricted w					- CE
V	dd the follow	ving note: e of certain substa	ances in electri	cal and			Р
М	odification	to Clause 1					Р
WELLE W	2.			10° 18°		L	15° (1)
20,	Y.4.5	Note	9)			8	24,
y Wille	10.6.1	Note 3	F.3.3.6	Note 3	Y.4.1	Note	NLTEX
"In			Table 39	ando			MULL
All St	8.5.4.2.3	Note	10.2.1	Note 3 and 4 and 5	10.5.3	Note 2	£
untill and						Note 2	Z ZUN
20,	5.6.8	Note 2	5.7.6	Note	5.7.7.1	Note 1 and	4
CLIEK.	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3 and 4	CIEN
MUL	5.4.10.2.1	Note	5.4.10.2.2	Note	5,4,10,2,3	Note	- Mrt.
et Let	Table 13						
STEE ALL	5.4.2.3.2.4	Note 2	5.4.2.5	Note 2	5.4.5.1	Note	E WILL
20, 20	F.4855.		Table 12	N			10
ALTEK V	5.2.2.2	Note	5.4.2.3.2.2	Note c	5.4.2.3.2.4	Note 1 and 3	CIENT I
Mur.	3.3.8.3	Note 1	4.1.15	Note	4.7.3	Note 1 and 2	New .
t 26+	0.2.1	Note 1 and 2	1	Note 4 and 5	3.3.8.1	Note 2	LEX.



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	1101010110011	0 1111 20B 102 10020 1	1 490 10 01 01		A	
EN IEC 62368-1		211				
	Clause	Requirement – Test	is any any	Result – Remark	J .	Verdict

Olddoo	Tredament Test	Troudit Tromain	V 0. 0.0
9/2 1		The National Walk	an
4.21 AND TEX WILLEST WILLES	Add the following new subclause after 4.9: To protect against excessive current, short-circuits and earth faults in circuits connected to an a.c. mains, protective devices shall be included either as integral parts of the equipment or as parts of the building installation, subject to the following, a), b) and c): a) except as detailed in b) and c), protective devices necessary to comply with the requirements of B.3.1 and B.4 shall be included as parts of the equipment; b) for components in series with the mains input to the equipment such as the supply cord, appliance coupler, r.f.i. filter and switch, short-circuit and earth fault protection may be provided by protective devices in the building installation; c) it is permitted for pluggable equipment type B or permanently connected equipment, to rely on dedicated overcurrent and short-circuit protection in the building installation, provided that the means of protection, e.g. fuses or circuit breakers, is fully specified in the installation instructions. If reliance is placed on protection in the building installation, the installation instructions shall so state, except that for pluggable equipment type A the building installation shall be regarded as providing protection in accordance with the rating of the wall socket outlet.	Not directly connected to the mains	N/A SURLEY SURLE
6	Modification to 5.4.2.3.2.4		N/A
5.4.2.3.2.4	Add the following to the end of this subclause: The requirement for interconnection with external circuit is in addition given in EN 50491-3:2009.	No connection to external circuit.	N/A
7	Modification to 10.2.1		N/A
10.2.1	Add the following to c) and d) in table 39: For additional requirements, see 10.5.1.	No such radiation from the equipment.	N/A
	Tor additional requirements, see 10.5.1.	equipment.	



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EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
10.5.1	Add the following after the first paragraph:	Mr. Anti Aut	N/A	
JUNITER W	For RS 1 compliance is checked by measurement under the following conditions: In addition to the normal operating conditions, all	united united united	unlies white	
	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	let writet writet write	ex and ex and	
	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.	Whitek Whitek Whitek	WALTE WALTER	
	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.	MITER WHITER WHITER	nliet white.	
	The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the apparatus.	TEK WHITEK WHITEK WH	TER ON TE ON * WALLEY WALL	
	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	
	For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level.	it nut white whi	EK MULEK MU	
t wet	NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996.	at the lite		
9	Modification to G.7.1		N/A	
G.7.1	Add the following note: NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in Annex ZD.	UNLIER WALLER WALLER	N/A	
			_	

Modification to Bibliography



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The Maria	My My All	EN IEC 62368-1	TEX INTEX WHITE WA	ing Mary Ang
Clause	Requirement – Test	ALTE ME ME ME	Result – Remark	Verdict

ale		201
, et	Add the following notes for the standards indicated:	P
WILLEY WI	IEC 60130-9 NOTE Harmonized as EN 60130-9. IEC 60269-2 NOTE Harmonized as HD 60269-2. IEC 60309-1 NOTE Harmonized as EN 60309-1. IEC 60364 NOTE some parts harmonized in HD 384/HD 60364 series. IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4. IEC 60664-5 NOTE Harmonized as EN 60664-5. IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified). IEC 61508-1 NOTE Harmonized as EN 61508-1. IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1. IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4. IEC 61643-1 NOTE Harmonized as EN 61643-1. IEC 61643-31 NOTE Harmonized as EN 61643-31. IEC 61643-31 NOTE Harmonized as EN 61643-31. IEC 61643-331 NOTE Harmonized as EN 61643-331.	Whitek whitek
11	ADDITION OF ANNEXES	Р
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)	P
4.1.15 ONLITE WALLES OF THE STATE OF THE ST	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"	N/A SEE SUBSTITUTE SUBSTITUT
4.7.3	United Kingdom To the end of the subclause the following is added: The torque test is performed using a socket-outlet complying with BS 1363, and the plug part shall be assessed to the relevant clauses of BS 1363. Also see Annex G.4.2 of this annex	N/A



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Life Murily	Mr. Mar. All.	EN IEC 62368-1	TEX MITEX WALLEY	Tip. Mr. Mr.
Clause	Requirement – Test	iti, Mur, Mr. m.	Result – Remark	Verdict

5.2.2.2	Denmark	No high touch current	N/A
	After the 2nd paragraph add the following:	measured.	White
	A warning (marking safeguard) for high touch current is required if the touch current exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	street waters waters waters	WALTEK W
5.4.11.1	Finland and Sweden	No such external circuits.	N/A
and Annex G	To the end of the subclause the following is added:	es unite unite unit u	ne was
	For separation of the telecommunication network from earth the following is applicable:	multer mult mult mi	t TEX
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	united white white white	JUNE .
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	the main main was .	511 EX
	one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	MITEL WILL MILLER WILL	EK MUTIEK
	If this insulation forms part of a semiconductor component (e.g. an optocoupler), there is no distance through insulation requirement for the insulation consisting of an insulating compound	MULTER MILIER	Whitek o
	completely filling the casing, so that clearances and creepage distances do not exist, if the component passes the electric strength test in accordance with the compliance clause below and in addition	Whitek whitek whitek wh	ing murit
	passes the tests and inspection criteria of 5.4.8 with an electric strength test of 1,5 kV multiplied by 1,6 (the electric strength test of 5.4.9 shall be performed using 1,5 kV),	UNLIEK WALTER WALTER WALTER	White w
	and white white white white white	at the the there	NI EK NINI
	is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5 kV.	WILL MULES WILLES WAS	IEY WALTER
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	WILLER MUTTER MUTTER MUTTER	- JALTEK V
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	THE WALTER WALTER	un'il un' LIFX unlif
	the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3	TELY STEEL STEEL SOLE	EX WILLEX



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20.	EN IEC 62368-1	in the the	20, 20,
Clause	Requirement – Test	Result – Remark	Verdict
The	W W THE ST	Et all mil whi	me m
	testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;	THE STEE STEEL	NITEK WALTER
	 the additional testing shall be performed on all the test specimens as described in EN 60384- 14; 	whitek whitek whitek whi	TEX WITEK W
EK WALTER	the impulse test of 2,5 kV is to be performed before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14.	tex multex multex multe	Muri Ex Muri
5.5.2.1	Norway	A TEX TEX LIES	N/A
	After the 3rd paragraph the following is added:	Murr Mur Mur.	th tex
ner m	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	Write Murrey Marie M	er er
5.5.6	Finland, Norway and Sweden	No such resistors.	N/A
	To the end of the subclause the following is added:	ed street market sontreet	WALLEY WALL
	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 a	MITER WAITER
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	white write
	In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	WALTER WALTER WALTER W	WILL MULL
5.6.4.2.1	Ireland and United Kingdom	at at at a	N/A
	After the indent for pluggable equipment type A , the following is added: – the protective current rating is taken to be 13 A, this being the largest rating of fuse used in the	ette white white white	whitek whi
	mains plug.		
5.6.4.2.1	France	" INLIE MILIE MALIE	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.	OWITER MUTTER MUTTER AND	itet mitet
5.6.5.1	To the second paragraph the following is added:	JEE STOR WITE WITE	N/A
MALTER.	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.	et whitet multer multer	MULT MULT



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Le Mille	M. Alexander	EN IEC 62368-1	Will aller
Clause	Requirement – Test	Result – Remark	Verdict

-965	The Thirty To	The Street Will NOT	7/11
5.6.8	Norway	71/2 1/2 1/2	N/A
	To the end of the subclause the following is added:	MUTER WALTER WALTER WALTER	MILLE
ilitek wat Ek walte	Equipment connected with an earthed mains plug is classified as class I equipment . See the Norway marking requirement in 4.1.15. The symbol IEC 60417-6092, as specified in F.3.6.2, is accepted.	tiek whiek whiek whiek w	NITEK W EK WNI
5.7.6	Denmark	The In In	N/A
WILLES WI	To the end of the subclause the following is added: The installation instruction shall be affixed to the equipment if the protective conductor current exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	untiek untiek untiek untiek	MUTTER
5.7.6.2	Denmark	TEX DITER WITE WALL M	N/A
	To the end of the subclause the following is added: The warning (marking safeguard) for high touch	of the stief street south	ek white
Stit.	current is required if the touch current or the protective current exceed the limits of 3,5 mA.	who will all the	LIEK
5.7.7.1	Norway and Sweden	Not such system.	N/A
	To the end of the subclause the following is added: The screen of the television distribution system is normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building. Therefore the protective earthing of the building installation needs to be isolated from the screen of	EL WHITE WHITEK WHITEK WAS	ALTER W
	a cable distribution system. It is however accepted to provide the insulation	the tex itex itex	NITEX
	external to the equipment by an adapter or an interconnection cable with galvanic isolator, which may be provided by a retailer, for example.	TEX WITER MITTER WITER	an an
	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 MULTER MULTER MULTER MULT	ek wali
	"Apparatus connected to the protective earthing of the building installation through the mains	MULL MULL MULL MULL	MER
	connection or through other apparatus with a connection to protective earthing – and to a television distribution system using	Will Mill Mail Mail A	ing a
	coaxial cable, may in some circumstances create a fire hazard. Connection to a television	TEX MULTER WALLER WALLE AN	*
	distribution system therefore has to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11)"	While while while whi	Whit.
	NOTE In Norway, due to regulation for CATV-installations, and	aller mer mer my	20,



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20,	EN IEC 62368-1	in the way and	20.
Clause	Requirement – Test	Result – Remark	Verdict
ari .	M. W. C. LET TE	The STEE WAS AND WAS	- m
NUTER M	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.	OLITER WILLER WALLER	X WALTEX
	Translation to Norwegian (the Swedish text will also be accepted in Norway):	street writes whites whitest	MALTEK N
	"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 insleter mellem apparatet og kabel-TV nettet "	EX UNITEX WHITEX WHITEX WILL	S. E. WALLE
MLTE UNI TEK WALTE WALTEK	isolator mellom apparatet og kabel-TV nettet." 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."	ANTER WHITER WHITER WHITER	united out
8.5.4.2.3	United Kingdom Add the following after the 2 nd dash bullet in 3 rd	No external circuits.	N/A
	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.	TE INTE WHITE WHITE	willy wh
B.3.1 and	Ireland and United Kingdom	Not directly connected to the	N/A
B.4 L. AND THE	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 white	whitek whitek witek witek whitek whitek
G.4.2	Denmark	Not directly connected to the	N/A
	To the end of the subclause the following is added:	mains	UNLIEK
	Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011.	TEX MULTEX WHITEK WHITEK	IN TEK ON
	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	Whitek whitek whitek wh	k whitek



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*	EN IEC 62368-1	40. 40.	
Clause	Requirement – Test	Result – Remark	Verdict
alle	The street of	the cliff while when whe	100
	rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	THE LIFE OUTER WITH	MALTER
	If a single-phase equipment having a RATED CURRENT exceeding 13 A or if a polyphase equipment is provided with a supply cord with a plug, this plug shall be in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN 60309-2.	THE WILLER WHITER WHITER	WALTEX W
	Mains socket outlets intended for providing power to Class II apparatus with a rated current of 2,5 A shall be in accordance DS 60884-2-D1:2011 standard sheet DKA 1-4a.	Whitek whitek whitek whitek	E WALTER
	Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c.	TEX MUTER MUTER MUTER	un liter ou
	Mains socket-outlets with earth shall be in compliance with DS 60884-2-D1:2011 Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-5a or DK 1-7a	Whitek whitek whitek whi	et e vinet
	Justification: Heavy Current Regulations, Section 6c	ALTER MATER	NALTEK
G.4.2	United Kingdom	Not directly connected to the	N/A
JERNALIE WALTE	To the end of the subclause the following is added:	mains	N. TER WA
	The plug part of direct plug-in equipment shall be assessed to BS 1363: Part 1, 12.1, 12.2, 12.3, 12.9, 12.11, 12.12, 12.13, 12.16, and 12.17,	WALTER WALTER WALTER WAL	r unit
	except that the test of 12.17 is performed at not less than 125 °C. Where the metal earth pin is replaced by an Insulated Shutter Opening Device (ISOD), the requirements of clauses 22.2 and 23 also apply.	unlies whites whites whites	MALTER W
G.7.1	United Kingdom	s of at at	N/A
MUL	To the first paragraph the following is added:	Multer White Mult w	
	Equipment which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to BS 1363 by means of that flexible cable or cord shall be fitted with a 'standard plug' in accordance with the Plugs and Sockets etc. (Safety) Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted by those regulations.	Whitek whitek whitek whitek	Whitek Whitek Wh
MULTER	NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	ANTIET WALTER WALTER WA	TE WALT



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. Mr.	M. W. A.	EN IEC 62368-1	ITER WITE WALL WA	r. Mr. Mr.
Clause	Requirement – Test	is the man	Result – Remark	Verdict

G.7.1	Ireland	74, 25,	N/A
	To the first paragraph the following is added:	STEE WITER WHITER WHITE	
	Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in accordance	of the text the street	
	with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use	sir mur mur mr a	
MULL	Regulations: 1997. S.I. 525 provides for the recognition of a standard of another Member State which is equivalent to the relevant Irish Standard	EX WALTER WALTER WALTER WAS	. 161 . 161
G.7.2	Ireland and United Kingdom	alter with white wall	N/A
	To the first paragraph the following is added:	at set set set	
	A power supply cord with a conductor of 1,25 mm ² is allowed for equipment which is rated over 10 A and up to and including 13 A.	intil unit with with	
ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)	is me me m	N/A
10.5.2	Germany	No CRT within the equipment.	N/A
	The following requirement applies:	mer mer mer me	
	For the operation of any cathode ray tube intended	LIEF SLIEF WILLEY WILLEY	
	for the display of visual images operating at an acceleration voltage exceeding 40 kV,	Wiles My In In	
	authorization is required, or application of type	the state of the	
	approval (Bauartzulassung) and marking.	a ince in a	
	Justification:	E TO LITE OUT ON	
	German ministerial decree against ionizing	The The M. T.	
	radiation (Röntgenverordnung), in force since	at let let the	
	2002-07-01, implementing the European Directive 96/29/EURATOM.	White must must make	
	NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-	Whitek Mailer Mailer Mailer	



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EN IEC 62368-1				
Clause	Requirement – Test	Mur, M. m.	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	\$	5
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		H05Z1Z1-F H05Z1Z1H2-



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	Clause Requirement – Test	Result – Remark	Verdict

5.2	TABLE: Classification	on of electrical er	nergy sourc	es		£ 15+	P
Supply Voltage	Location (e.g.	Test conditions		Parame	ters		ES Class
voltago	designation)		U (V)	I (mA)	Type ¹⁾	Additional Info ²⁾	Class
at at	LIEF ALTER MI	Normal	<60VDC	g, -2,	SS	DC	ES1
NUT.	Input circuit	Abnormal	. Utile .	TER TITE	10 - 11	No Alle	ans
5V DC		Single fault – SC/OC	701 _ 70	et ofet o	LIFIK ME	EK TEK	ON LIEK V
*	Et JEK JEK	Abnormal	Ver -aver	1/1, - 1/1,			
MULTER WAL	me me a	Single fault – SC/OC	IEK - IEK	WALTER WALT	OT-LITE	AUT. A	ir. mi
LIEL WALTE	with any an	Normal	<60VDC	Jet - Jet	SS	DC	ES1
4.2V DC Battery circuit	Abnormal	un <u>u</u> u	V. 70	40 -			
untit		Single fault – SC/OC	UNLTER MA	JEK WALIEK V	nlt <u>er</u> un	TE WALL	MULL

Supplementary information:

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

Normal –Full load and no load. Abnormal - Overload output

SC= short circuit; OC= open circuit

5.4.1.8	TABLE: Working	voltage measu	rement	et let	LIER OLIER WITE	N/A
Location		RMS voltage (V)	Peak voltage (V)	Frequency (Hz)	Comments	
- 1. n.	e e e	TEX- TEX	MLIE-MALIE	anci- anci	Mr. M. 14	
JEEN WILL	WILL WILL	Mer M.	x x+	18t- 18t	TIER NITER AND	ie. W
Suppleme	ntary information:					
E. WITE	Will Mer M	. m.	4 A	at let	THE STEE WITE	anin.

4.1.10.2 TABLE: Vicat softening temperature of thermoplastics				
Method		.: ISO 306 / B50	20	_
Object/ Part No./Material	Manufacturer/trademark	Thickness (mm)	T softeni	ng (°C)
-2 1 1 1 1 1	TEX WITE - WILL MAL	Mr. Th. M.	- T	.t.
Supplementary information:				
a state of	CEL MILL WILL WALL A	no 20 20.	~ .	4 1

5.4.1.10.3	.4.1.10.3 TABLE: Ball pressure test of thermoplastics			
Allowed imp	pression diameter (mm):	≤ 2 mm	_	



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Clause	Requirement – Test	Result – Remark	Verdict			

Object/Part No./Material	Manufacturer/trademark	Thickness (mm)	Test temperature (°C)	Impression diameter (mm)						
- 1 st st	THE LIER NITER MITE	Mur - Mur	1414.	A						
Supplementary information:										
1 1 1 1 1	H TEX TEX STE	are are	11. 2. 2							

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)
- LIER MITER MILE MILL	NU.	an-		Ţ	d - 1	y - (8)	- J	NITE IN

Supplementary information:

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

	5.4.4.2 TABLE: Minimum distance through insulation								
	Distance through insulation (DTI) at/of		Peak voltage (V)	Insulation*	Insulation* Required DTI (mm)		Measured DTI (mm)		
	* A 3		THE NAME AND THE	We We M	70, 0	.+	- * ,		
	Supplement	ary information:							
•	*See also s	ub-clause 5.4.4.9	The Win				et let		

5.4.4.9	1.4.9 TABLE: Solid insulation at frequencies >30 kHz							
Insulation	material	E _P	Frequency (kHz)	K _R	Thickness d (mm)	Insulation	V _{PW} (Vpk)	
-UTEK N	ITE WALTE WAL	- and	10 2	1	Et TEX	TEK SIT	it witter	
Supplemer	ntary information:							
TER IT	COLIF WILL	Wer ?	71. 2.	- (at at	LET JET	LIE M	

5.4.9	TABLE: Electric strength tests	1 1	at at the	N/A	
Test voltag	e applied between:	e applied between: Voltage shape (Surge, Impulse, AC, DC, etc.)			
Functional:	et tet stet stet stret onsit	MUT. MUT. ML	211 20	+ 0+	
مالار المالية	me me m	- et let liet	-LIFE WIFE WA	in the con	
Basic/supp	lementary:	me me m	W. T. S.	- 15 1	
C. William	Mr. Mr. Mr.	the state state.	TIER WILL MILL	Mur Mur.	
Reinforced	TER TIER WITE MUTTER	in the the	. + .+	LET TEX	
- 31/2 /	The The The	E - JEK STEK IN	E WILL WHILE	hier the	
Routine Te	sts:	41, 41, 41,	. * *	LET JEK	
7100 111	The state of the s	-UE NIE MIE	-write were on	1/2 1	



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rie whi	Mr. T. M.	Zu Zu			
Clause	Requirement – Test	Note they are	Result – Remark	LEX S	Verdict

Supple	mentary	inform	ation:									
ane.	Mr	21/2	20,	10.	 24	SE!	LIFE	C.C.T.E.	and the	Wille	Mr	211

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					
- 5EF	LIEK O	IF WALLE WALL	Normal	L 74	et tet	JEK -JEK					
Mu Th	est de	t street street s	Single fault: SC/ OC	mil me	Mr. M	it let					

Supplementary information:

X-capacitors installed for testing are:

[] bleeding resistor rating:

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

5.6.6	TABLE: Resistance of protective conductors and terminations							
Location		Test current (A)	Duration Voltage drop (min) (V)		Resistance (Ω)			
RIFE WIL	The last of	74, -	# - #	of Justine and	E 10176 W			
Suppleme	ntary information:							
ie. Vil.	- d - lo - lo			E THE LIE	WILL WILL			

5.7.4	TABLE	E: Unearthed acces	ssible parts			N/A	
Location		Operating and	Supply	F	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	men - men	24, - 24	- A	-5	18th 5
		Abnormal: overload	LIEK WHITEK	MULTER WHITE	AUTE MUTT	iner - w	~
		Single fault: SC/ OC	EK SLIEK	STEK WILLER WI	LIER WITTER WI	The June	7 -2 -1
Suppleme	entary info		, 10V al				
SC= short	t circuit: (C= open circuit	- AP 3	E JULY CU	ar ar	1,1	20

5.7.5	TABLE: Earthed acces	sible conductive part		Vis. Mur. M	N/A
Supply volt	age (V)	The Mr. Mr. M.		at alt	_
Phase(s)	71, 71	[] Single Phase; [] Three	Phase: [] Delta	[] Wye	
Power Dist	ribution System	[] TN []TT []IT	The contract of	A 10	
Location		Fault Condition No in IEC 60990 clause 6.2.2	Touch current (mA)	Comme	nt
- UTET 10'	LIE MILL MILL MILL	- L A	16th - 16th	TEN JUE	1847E 0



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Le Me	The second second	EN IEC 62368-1	any any
Clause	Requirement – Test	Result – Remark	Verdict

Supplementary Information:

5.8 TABLE	: Backfeed s	afeguard in battery	backed up	supplies		N/A	
Location	Supply voltage (V)	Operating and fault condition	Time (s)	Open-circuit voltage (V)	Touch current (A)	ES Class	
1 ₁₁ 2 ₁₁	+	Jet - Jet o	LIFET - NLIFE	MULL - MULL	100, 1	1. 70.	
Supplementary information:							
20, 20, 1		A St S	er all	WELL WILL	21/2 211.	20,	

6.2.2	ABLE: Power source	e circuit classif	ications	ie antie	Wer aller	N P W
Location	Operating and fault condition	Voltage (V)	Current (A)	Max. Power ¹⁾ (W)	Time (S)	PS class
5V Input circu	uit Pin + to -	5	1	5	- 3S	PS1
Battery	Output pin + to -	4.1.	2.6	8.55	38	PS1

Supplementary information:

Abbreviation: SC= short circuit; OC= open circuit

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

6.2.3.1	TABLE: Determ	ination of Arcing PIS		the the	N/A
Location		Open circuit voltage after 3 s (Vpk)	Measured r.m.s current (A)	Calculated value	Arcing PIS? Yes / No
-	LIER STEEL O	ite anti- an	n a	L 75 75	TEX JEX
Supplement	tary information:				
At .	CER JEE ST	WILL ME M	20, 2	1 1	et let

6.2.3.2 TABLE: Dete	ermination of resistive PIS	The the second	N/A
Location	Operating and fault condition	Dissipate power (W)	Arcing PIS? Yes / No
All primary circuits/components	Mer with the lift of	EX THE WILLES	Yes (declaration)

Supplementary information:

All circuits are considered as resistive PIS;

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

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

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

8.5.5	TABLE: High pre	essure lamp	itic mer mer	24, 20,	 N/A
Lamp manu	facturer	Lamp type	Explosion method	Longest axis of glass particle	ticle found nd 1 m Yes



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in mi	111 21 21 21 21 21 21 2 2 2 2 2 2 2 2 2	EN IEC 62368-1	TEX INTEX WATER	Mr. M.	711
Clause	Requirement – Test	Merce Merce Merce	Result – Remark	et d	Verdict

7/1		- AST .		ar ar	7/1 /2
				(mm)	/ No
" While Mur. Mur. Mur.	- 1, T	JE .<	THE THE	OLITER TOLITE	ALL WALL M
Supplementary information:					
VII THE THE THE	24.	e set	A CONTRACTOR	THE NITE ON	i with the

9.6	TABL	E: Temper	ature mea	surement	s for wirel	ess power	transmitte	ers	N/A
Supply vol	age (V).				Mer. M	in the	201	4	_
Max. trans	mit powe	er of transn	nitter (W)		A COLUMN	JEK SITE	MITE	الاستار	_
			eiver and contact		eiver and contact		ver and at of 2 mm		ceiver and at
Foreign o	bjects	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)
- 2n -	, L	7 .	A K	E# JE	and the	Nr 1/1	-01/2	111	20 - 0
Supplemer	ntary info	rmation:	,						

5.4.1.4, 9.3, B.1.5, B.2.6	perature me	easuremo	ents		Whi	uni un	P
Supply voltage (V)		:	را (1)	2)	1 11,	2,,	_
Ambient temperature durin	g test T _{amb} (°	°C):	25.0	25.0	- Jr - J	A CONTRACTOR	_
Maximum measured temper	erature <i>T</i> of	part/at:		Т	(°C)		Allowed T _{max} (°C)
Battery	1th 18	t Sile	39.4	40.1	re Mr.	11/2 - 11	45
Battery wire			39.1	44.2	et ret	JEK , J	80
PCB near U1			41.2	57.0	7112 7	7. 72,	130
L6 with white	Me	20,	53.9	74.5	JEK 2	JEK RITE	130
C39	TEK	LTEP 101	48.2	65.4	1/11 -1/11	<u></u>	105
Enclosure inside	111. 11.		33.8	36.2	~15° 10° 10° 10° 10° 10° 10° 10° 10° 10° 10	WALLE S	Ref.
PCB near key	ALTER MIT	E. WILL	31.9	33.0	,	7.	130
Power button	h ar		29.4	29.9	TER MILE	Jack - Jak	77
Enclosure Outside	TER WITE	we	30.0	30.3		J+ X	- 77
Ambient	1 14	(EX	25.0	25.0	N 17 - N	Lat. 21/10	m m.
Temperature T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	$R_2(\Omega)$	T (°C)	Allowed T _{max} (°C)	Insulation class
T It LET THE	J 2 3	10, -00,	700	211	40, - 40,		A- A

Supplementary information:

^{*} Temperature limit for TS1 of accessible enclosure according to Table 38 to be measured at normal ambient temperature.

Note 1: The apparatus was submitted and evaluated for maximum manufacturer's recommended ambient



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The Maria	My My All	EN IEC 62368-1	TEX INTEX WHITE WA	ing Mary Ang
Clause	Requirement – Test	ALTE ME ME ME	Result – Remark	Verdict

(Tma) of 25°C.

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

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

B.2.5	T	ABLE: Inp	out test					LIER WILL WILL WILL P		
U (V)	Hz	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status		
5VDC	LITER LITER	0.207	nnii Th	1.035	TER -NUL	7/1/2	- "ik	Powered by 5VDC with empty battery (at battery charging mo		
4.2VDC	14	0.141	LIEK- MIT	0.592	- WALTE	White	Mr.	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	TABLE: Abnor	mal operating	g and fau	It condit	on tests	+ a+ a6	P
Ambient ter	mperature T _{amb} (°	C)	,		: See	below	_
Power sour	ce for EUT: Man	ufacturer, mo	del/type, d	outputratii	ng:	At Att	_
Componer No.	nt Condition	Supply voltage (V)	Test time	Fuse no.	Fuse current (A	Observation)	1
Speaker	SC	4.2	30min	MATER	ountile oun	Speaker no voice, no hazard.	damage,no
Speaker	Max. non- clipped output heating	4.2	30min	unii Ek	itek _a nti ek itek	Normal operation of pr Enclosure Outside: 30 Ambient: 25.0°C	
Powered by	y 5VDC with emp	ty battery (at	battery ch	arging m	ode)	70 T A	At .
B+ to P-	sc	5VDC	7h	* NATER	WUITER OF	Unit shut down, no dai hazard.	maged, No
Capacitano	ce SC	5VDC	10mins	NLTEX.	MITER WAS	Unit shut down, no dai hazard.	maged, No
Powered by	y Li-ion Battery ([Discharging m	node with	fully char	ged battery)	- TEX TEX SITE	CLIFER
B+ to B-	SC	4.2VDC	10min	The W	The state of the s	Unit shut down, no dai hazard.	maged, No
B- to P+	sc	4.2VDC	7h	IEK WILL	MILTER.	Unit shut down, no dai 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 C.0lause B.3 test or "Single Fault" then the condition for Clause B.4.

1) s-c: Short-circuited; o-l: Overloaded; BL=Blocked.

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



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Le Me	The second second	EN IEC 62368-1	any any
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- 2) The test result shown all safeguards remained effective and didn't lead to a single fault condition during abnormal operating condition; In addition all safeguards complied with applicable requirements in this standard after restoration of normal operating conditions.
- 3) The test result showed no Class 1 or 2 energy source become Class 3 level during and after single fault condition.
- 4) Limit temperature: Plastic material: 87°C

M.3	TABLE: Pro	otection circu	iits f	or batterie	es provid	ed v	vithin	the equ	ipment	P
Is it possible	to install the	battery in a re	vers	e polarity _l	position?	:	The.	See tal	ole B.2.5	
					С	harç	ging	-		
Equipment S	pecification		Vo	Itage (V)					Current (A)	
		1. 12.	See	table B.2.5	- JEN	See table B.2.5				5 11/2 31
					Battery specification					
		Non-recharge	Non-rechargeable batteries				Rec	hargeab	le batteries	
		Discharging		ntentional	Char				Discharging	Reverse
Manufacturer/type		current (A)	current (A) charging current (A		Voltage	(V)	Current (A)		current (A)	charging current (A)
Henan Hengyi lithium e nergy technology Co., Lt d / IMR 18650- 2200mAh		uni -uni	un Ext unit		See table B.2.5		See table B.2.5		See table B.2.5	EL VII L TEK NATEK
Note: The tes	sts of M.3.2 a	re applicable o	only v	when abov	e appropr	iate (data i	s not ava	ilable.	
Specified bat	tery tempera	ature (°C)				.,,6:		V	45	T.
Component No.	Fault condition	Charge/ discharge mo	ode	Test time	Temp. (°C)		rrent A)	Voltage (V)	Obse	ervation
Battery (charge base) Capacitor SC		Charge	Charge 7h		0				Unit shutdown immediately. Recoverable. No damaged, no hazard.	

	.4.2 TABLE: Charging safeguards for equipment containing a secondary lithium battery							
Maximum spe	cified charging volta	ge (V)		: 4.0	at at	_		
Maximum spe	Maximum specified charging current (A)							
Highest specified charging temperature (°C)								
Lowest specif	ied charging temper	ature (°C)		: 10	WILL WILL W			
Battery	Operating		Measurement		Observation	on		
manufacturer/	type and fault condition	Charging voltage (V)	Charging current (A)	Temp. (°C)				
Lowest specifi	ed charging tempera	ture: 10°C	LET SEX	JEK J	ET WILL WALL	Mr.		

Abbreviation: SC= short circuit; OC= open circuit NL= no chemical leakage; NS= no spillage of liquid; NE=

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



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W. Mr.	1/1 1/1 1/1	EN IEC 62368-1	The Alexander
Clause	Requirement – Test	Result – Remark	Verdict

Henan Hengyi lithiu m energy technolog y Co., Ltd / IMR 18	Normal	4.2	0.144	Battery temperature: 10°C	The battery charging current decreases	
650-2200mAh	Abnormal-	212		A A	- TEX STEX STEEL OF	
the text text	Single fault –	- WILLEY WA	LEK WILLE	Murr - Aur.	and all all	
Highest specified cha	rging temperat	ure: 45°C	IK STEK	ALTER MALTER	WELL MUT MUT MILL	
Henan Hengyi lithiu m energy technolog y Co., Ltd / IMR 18	Normal	4.20	on the sunt	Battery temperature: 45°C	The battery charging circuit stop charging	
650-2200mAh	Abnormal-	1/1	A W	- 10th 51	- ALTER MITER MATER IN	
LIET WIFE WIFE	Single fault	NUTER A	Will Aller	Mr Mr.	THE LIFE WITH MY	

Supplementary information:

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

Q.1	TABLE: Circuits intended for interconnection with building wiring (LPS) N/A							
Output Circuit	Condition	11 (\(\(\) \(\)	Time (a)	l _{sc} ((A)	S (VA)		
Circuit	Condition	U _{oc} (V)	Time (s)	Meas.	Limit	Meas.	Limit	
I'm will	2/1/2 2/1		et set	100		WITE W	VII WILL	
+ +	TEX STEX STEX	WILLER AND	Mer		'n	, 4	2H 2EH	

Supplementary Information:

SC = short circuit, OC = open circuit

* Unit shutdown immediately, recoverable, no hazard.

T.2, T.3, T.4, T.5	TABLE: S	teady force te	est			Whilek whilek whilek while	N/A
Location / Part	Material	Thickness (mm)	Probe	Force (N)	Test Duration (s)	Observation	
antite and	The Willy	ALT ALL			, Et	THE LITTE NUTER MITTER W	NIT .
Supplementa	ary informati	on:					
WITE WALL	Whi.	21/221/1.		.+	d s	it itek alter gater sind	10

T.6, T.9 TA	ABLE: Impa	ct test		N/A				
Location/Part	Material	Thickness (mm)	Height (mm)					
211, 211	, ,	_tet	LIEK OLIEK	WILL WILL MET MET ME ME ME				
Supplementary	y information:							



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

T.7	TABLE: Drop	test		write man man and and					
Location/Par	t Material	Thickness (mm)	Height (mm)		(Observa	ation	·	
TEN OUTER	WILLE WILL	Mr. Mur	1/1 /	t st	, et	TEX	T. C. T. E. W.	, LIE	" INCT
Supplementa	ary information	:							
CLIE VI	Lite Wall	Her Mr. M		J.	et.	NEX.	S. Cart	CUE	Wille

T.8 TA	ABLE: Stress	s relief test					JEX .	N/A
Location/Part	Material	Thickness (mm)	Oven Temperatur e (°C)	Duration (h) Observation				
at ait.	CEN TEN	ALTER MITER	with my	an.	24. 2.	d A	الحار.	. Let
Supplementary	information:							
. A A	t TEX	LIFE RUTE ON	in any	20, 20	4	t	24	A EX

X	TABLE: Alternative method for determining minimum clearances distances N/A						
Clearance distanced between:		Peak of working voltage (V)	Required cl (mm)	Measured cl (mm)			
J. (1)	MILE WAS THE		A	AF SIFE WITE WALLE			
Sı	Supplementary information:						
(T							



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	Clause	Requirement – Test	is any any any	Result – Remark	et d	Verdict

4.1.2	TABLE: Critical components information					
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹	
Enclosure	CHI MEI CORPORATION	PA-765A(+)	Min.V-1, 80°C, min.thickness: 1.5mm	UL 94	UL E56070	
РСВ	Shenzhen Ying-seok Circuit Co Ltd	YS-02	V-0, 130°C	UL 94, UL 796	UL E475434	
Alternative	Interchangeable	Interchangeabl e	V-0, 130°C	UL 94, UL 796	UL WITE	
Cell	Henan Hengyi lithium energy technology Co., Ltd	IMR 18650- 2200mAh	3.7V, 2200mAh	IEC 62133-2: 2017	TUV report no.: CN22QTEM 001	
Speaker	Interchangeable	Interchangeabl e	4Ω, 3W	EN IEC 62368- 1	Test with appliance	

Supplementary information:

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







Photo 1



Photo 2

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Photo Documentation





Photo 3



Photo 4







Photo 5



Photo 6

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Photo Documentation





Photo 7



Photo 8



Reference No.: WTF23D10218920Y





Photo 9

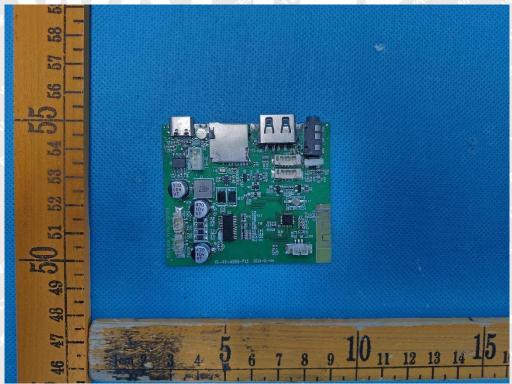


Photo 10





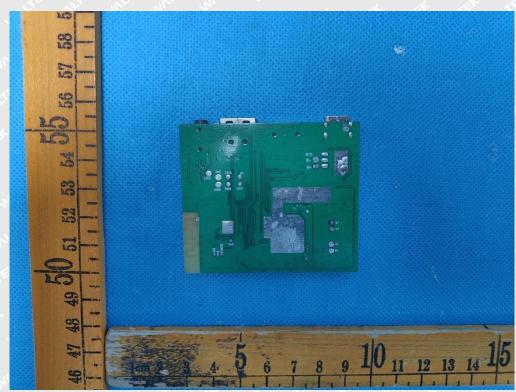


Photo 11

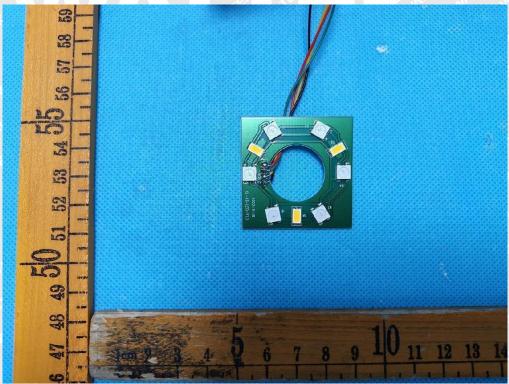


Photo 12





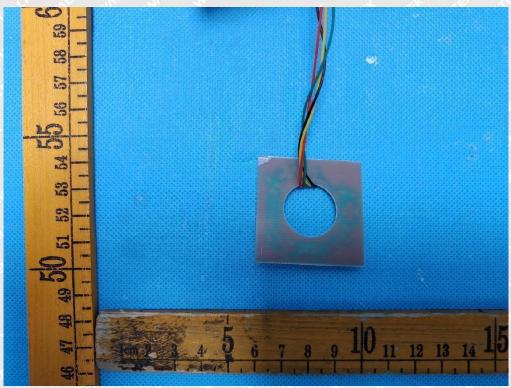


Photo 13



Photo 14

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Photo Documentation





Photo 15



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