



TEST REPORT

Reference No	:3	WTF23D10219598Y
Applicant	-m	Mid Ocean Brands B.V.
Address	N:TE	7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong
Manufacturer	de-	118641
Address	: <	N/A
Product	*	Wireless charging lamp speaker
Model(s)	:	MO2124
Total pages	NI LI	72 pages and 3 pages of photo.
Standards	J.T.E.	EN IEC 62368-1:2020+A11:2020 Audio/video, information and communication technology equipment- Part 1:Safety requirements
Date of Receipt sample	St. N	2023-10-17
Date of Test	:	2023-10-17 to 2023-10-27
Date of Issue	7:	2023-11-14
Test Result	1:	Pass with the second water water water

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: Waltek Testing Group Co., Ltd.

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Compiled by:

Almon Zhao / Project Engineer

Approved by:

Devolgin

Deval Qin / Designated Reviewer

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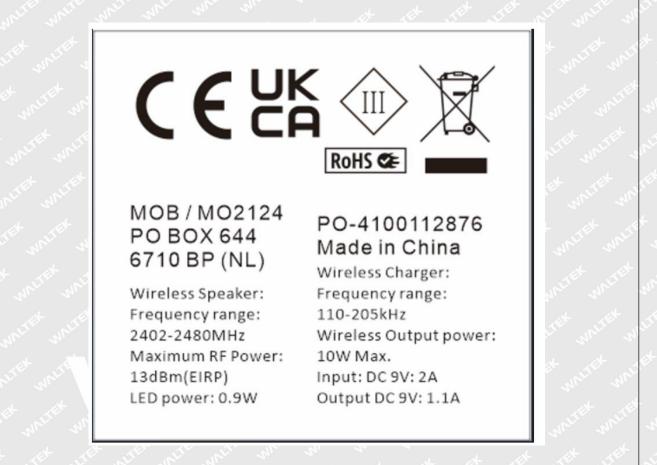
Test item description	Wireless cha	irging lamp speaker
Trademark	МОВ	
Model and/or type reference	MO2124	
Rating(s)	INPUT: DC	9V: 2A
	Output: DC	
	Wireless Ou	tput power: 10W Max.
	LED power:	0.9W
Remark:		
Whether parts of tests for the product	have been sub	contracted to other labs:
🗌 Yes 🛛 🖾 No		
If Yes, list the related test items and la	b information:	
Test items:		
Lab information:		
Summary of testing:	JEE MALL	when when when you we want
TEL MITE MAIL MAIL WAL		
Tests performed (name of test and t	test clause):	Testing location:
- IEC 62368-1:2018		No. 77, Houjie Section, Guantai Road,
		Houjie Town, Dongguan City, Guangdong, China
The submitted samples were found to	comply with	with the state of the
the requirements of above specificatio Summary of compliance with Nation	n. nal Difference	white white white white white
the requirements of above specificatio Summary of compliance with Nation EU Group Differences, AUSTRALIA / I	n. nal Difference NEW ZEALAN	white white white white white
t still atter while while wh	n. nal Difference NEW ZEALAN s of EN IEC 62	D NATIONAL DIFFERENCES 368-1:2020+A11:2020, AS/NZS 62368.1:2022
the requirements of above specificatio Summary of compliance with Nation EU Group Differences, AUSTRALIA / I ☑ The product fulfils the requirements Use of uncertainty of measurement ☑ No decision rule is specified by t applicable limit according to the spe without applying the measurement u	n. nal Difference NEW ZEALAN s of EN IEC 62 for decisions he IEC standa cification in th	D NATIONAL DIFFERENCES 368-1:2020+A11:2020, AS/NZS 62368.1:2022 on conformity (decision rule) : ard, when comparing the measurement result with the at standard. The decisions on conformity are made
the requirements of above specificatio Summary of compliance with Nation EU Group Differences, AUSTRALIA / I ☑ The product fulfils the requirements Use of uncertainty of measurement ☑ No decision rule is specified by t applicable limit according to the spe without applying the measurement u "accuracy method"). □ Other: (to be specified, for example	n. nal Difference NEW ZEALAN s of EN IEC 62 for decisions he IEC standa cification in th incertainty ("sin	D NATIONAL DIFFERENCES 368-1:2020+A11:2020, AS/NZS 62368.1:2022 on conformity (decision rule) : ard, when comparing the measurement result with the at standard. The decisions on conformity are made mple acceptance" decision rule, previously known as
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the requirements of above specificatio Summary of compliance with Nation EU Group Differences, AUSTRALIA / I The product fulfils the requirements Use of uncertainty of measurement Solution No decision rule is specified by t applicable limit according to the spe without applying the measurement u "accuracy method"). Other: (to be specified, for example requirements apply) Information on uncertainty of measurement are OD-5014 for test equipment and application	n. nal Difference NEW ZEALAN s of EN IEC 62 for decisions the IEC standa cification in th incertainty ("sin ple when requi urement: a calculated by	D NATIONAL DIFFERENCES 368-1:2020+A11:2020, AS/NZS 62368.1:2022 on conformity (decision rule) : ard, when comparing the measurement result with the at standard. The decisions on conformity are made mple acceptance" decision rule, previously known as red by the standard or client, or if national accreditation the laboratory based on application of criteria given by
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the requirements of above specificatio Summary of compliance with Nation EU Group Differences, AUSTRALIA / I The product fulfils the requirements Use of uncertainty of measurement No decision rule is specified by t applicable limit according to the spe without applying the measurement u "accuracy method"). Other: (to be specified, for example requirements apply) Information on uncertainty of measurement are OD-5014 for test equipment and applie IECEE. IEC Guide 115 provides guidance on the decision rule when reporting te	n. nal Difference NEW ZEALAN s of EN IEC 62 for decisions he IEC standa cification in th incertainty ("sin ple when requi urement: e calculated by cation of test n in the applicatio st results with	D NATIONAL DIFFERENCES 368-1:2020+A11:2020, AS/NZS 62368.1:2022



NNN

Copy of marking plate:

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



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.

TEST ITEM PARTICULARS:	at the set set site when
Product group	🛛 end product 🗌 built-in component
Classification of use by:	 Ordinary person Instructed person Skilled person
Supply Connection:	 □ AC mains □ DC mains □ not mains connected: □ ES1 □ 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 in other: not Mains connected
Considered current rating of protective device as part of building or equipment installation:	□ 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 II □ Class III
Access location:	 N/A □ restricted access area □ outdoor location □
Pollution degree (PD):	□ PD 1 ⊠ PD 2 □ PD 3
Manufacturer's specified maxium operating ambient :	40°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 □ _5000m
Altitude of test laboratory (m):	⊠ 2000 m or less □ m
Mass of equipment (kg)	⊠ 0.290kg

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POSSIBLE TEST CASE VERDICTS:	and white where any start it it
- 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:	white white white white white white
Date of receipt of test item	: See cover page
Date (s) of performance of tests	: See cover page
	at the star with and any which

GENERAL REMARKS:

"(see Enclosure #)" refers to additional information appended to the report.

"(see appended table)" refers to a table appended to the report.

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

GENERAL PRODUCT INFORMATION:

Product Description

1. The EUT covered by this report is a Table Lamp with wireless charger and speaker used as information and Audio/video apparatus.

K

- 2. The manufacturer specified maximum ambient temperature is 40°C.
- 3. The LED lamp should be additional evaluated according to IEC 62471.

Model Differences

-2)

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

	05	~ /	97
		17	
			7
			1.3

Class and Energy Source e.g. ES3: Primary circuit)	Electrically-caused injurv	<u> </u>		
	Electrically-caused injury			
	Body Part		Safeguards	
s.g. Loo. I finally circuity	(e.g. Ordinary)	В	S	R
S1: All internal circuit	Ordinary	N/A	N/A N	N/A
	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
PS2: All circuit	Enclosure	Equipment safeguard	N/A	N/A
	Injury caused by hazardous s	ubstances		
Class and Energy Source	Body Part		Safeguards	
(e.g. Ozone)	(e.g., Skilled)	В	S	R
I/A the set of the set	N/A	N/A	N/A	N/A
	Mechanically-caused injury			
Class and Energy Source	Body Part (e.g. Ordinary)	Safeguards		
e.g. MS3: Plastic fan blades)		В	S	R
IS1: Edges and corners	Ordinary	N/A	N/A	N/A
IS1: Mass of the unit	Ordinary	N/A	N/A	N/A
	Thermal burn			
Class and Energy Source	Body Part	Safeguards		
e.g. TS1: Keyboard caps)	(e.g., Ordinary)	В	S	R
S1: All accessible parts	Ordinary	N/A	N/A	N/A
0	Radiation			
Class and Energy Source	Body Part		Safeguards	
e.g. RS1: PMP sound output)	(e.g., Ordinary)	В	S	R
ED light Should be additional evaluated ccording to IEC 62471.)	Ordinary	N/A	N/A	N/A

ENERGY SOURCE DIAGRAM

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

 \boxtimes ES \boxtimes PS \boxtimes MS

See details in OVERVIEW OF ENERGY SOURCES AND SAFEGUARDS

RS

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Clause	Requirement – Test	when we we	Result – Remark	Verdict

4	GENERAL REQUIREMENTS		P
4.1.1	Acceptance of materials, components and subassemblies	(See appended table 4.1.2)	P
4.1.2	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	INC P
4.1.3	Equipment design and construction	Equipment is adequately designed and constructed.	N ^{III} 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)	P
4.4.3	Safeguard robustness	See below	. ŚР
4.4.3.1	General		Р
4.4.3.2	Steady force tests		N/A
4.4.3.3	Drop tests	I me m m	N/A
4.4.3.4	Impact tests	the state state million mil	N/A
4.4.3.5	Internal accessible safeguard tests	No such parts.	N/A
4.4.3.6	Glass impact tests	No such glass used.	N/A
4.4.3.7	Glass fixation tests	No such parts.	N/A
in me	Glass impact test (1J)	alifet miner antit annit a	N/A
of th	Push/pull test (10 N)		N/A
4.4.3.8	Thermoplastic material tests	(See Annex T.8)	Р
4.4.3.9	Air comprising a safeguard	i s a a a	N/A
4.4.3.10	Accessibility, glass, safeguard effectiveness	After tests, no safeguard damaged.	P
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	in my my no a	Р
4.5.1	General	No explosion occurs during normal/abnormal operation and single fault conditions	P
4.5.2	No explosion during normal/abnormal operating	(See Clause B.2, B.3)	ALL P



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a con		IEC 62368-1	20. 20.
Clause	Requirement – Test	Result – Remark	Verdict

A	condition	24 25	L A
Murrer W	No harm by explosion during single fault conditions	(See Clause B.4)	SUPP A
4.6	Fixing of conductors	See below	P N
	Fix conductors not to defeat a safeguard	int with with the	Р
E MUTE	Compliance is checked by test	(See Clause T.2)	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)	when the second second	N/A
4.8 🕔	Equipment containing coin/button cell batteries	S aller miles miles white	N/A -
4.8.1	General	an an at set	N/A
4.8.2	Instructional safeguard	with mile white white	N/A
4.8.3	Battery compartment door/cover construction	i i i it it	
m	Open torque test	Et white white white wh	N/A
4.8.4.2	Stress relief test	a at at a	N/A
4.8.4.3	Battery replacement test	white white white white	N/A
4.8.4.4	Drop test		N/A
4.8.4.5	Impact test	and and and	N/A
4.8.4.6	Crush test	the set	N/AS
4.8.5	Compliance	creater and and a	N/A
. STER	30N force test with test probe	t at at and	N/A
1	20N force test with test hook	me me me	N/A
4.9	Likelihood of fire or shock due to entry of cond	luctive object	, P
4.10	Component requirements	mur mur mur me	N/A
4.10.1	Disconnect Device	Tet the wheet where	N/A
4.10.2	Switches and relays	Le The Za, Za,	N/A

5	ELECTRICALLY-CAUSED INJURY		Р
5.2	Classification and limits of electrical energy sou	irces 🖉 🖉 🖉	Р
5.2.2	ES1, ES2 and ES3 limits	my my m	Р
5.2.2.2	Steady-state voltage and current limits	(See appended table 5.2)	N ^P P
5.2.2.3	Capacitance limits	No such capacitors	N/A
5.2.2.4	Single pulse limits	No such single pulses	N/A
5.2.2.5	Limits for repetitive pulses	No such repetitive pulses	N/A
5.2.2.6	Ringing signals	No such ringing signals	N/A
5.2.2.7	Audio signals	the second secon	e Pot
5.3	Protection against electrical energy sources	white white white white	√ [™] P



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	IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	and and all and	P
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	mer mer mer in	N/A
5.3.1 b)	Skilled persons not unintentional contact ES3 bare conductors	MIEK WHIEK WAITER WAITER	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Only ES1 circuit and the enclosure (safeguard) are accessed to person.	P
When a	Accessibility to outdoor equipment bare parts	t whet while while wh	N/A
5.3.2.2	Contact requirements	When we we we	N/A
mer m	Test with test probe from Annex V	wiret milet white white	
5.3.2.2 a)	Air gap – electric strength test potential (V)	in it it it	N/A
5.3.2.2 b)	Air gap – distance (mm)	LIFE WALTS WALT WALT	N/A
5.3.2.3	Compliance	i it 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	a at at 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	At the set	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	it white white white	N/A
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	* wiret wiret wouret wo	N/A
5.4.1.5.3	Thermal cycling test	w w w	N/A
5.4.1.6	Insulation in transformers with varying dimensions	NUTER WALTE WALT WALT	_√ [™] N/A
5.4.1.7	Insulation in circuits generating starting pulses	in the state	N/A
5.4.1.8	Determination of working voltage	NUTE WATE WALL WAL	N/A
5.4.1.9	Insulating surfaces	s at at at	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	it wants wat wat w	N/A
5.4.1.10.2	Vicat test	NUTER INTERNITE MAIL	N/A
5.4.1.10.3	Ball pressure test	i i at it	N/A
5.4.2	Clearances	INTER INTERNITE WALL	N/A
5.4.2.1	General requirements	a state state	N/A
y st	Clearances in circuits connected to AC Mains, Alternative method	THE WALL WALL WALL	N/A
5.4.2.2	Procedure 1 for determining clearance	et ourer and the and we	N/A
.tt	Temporary overvoltage	the state	e —
5.4.2.3	Procedure 2 for determining clearance	atter intre intit int	N/A



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Clause	IEC 62368-1 Requirement – Test	Result – Remark	Verdict
Clause		Tresuit - Remain	Veruict
5.4.2.3.2.2	a.c. mains transient voltage	when when when when	
5.4.2.3.2.3	d.c. mains transient voltage	white white white	martin -
5.4.2.3.2.4	External circuit transient voltage	and the state	.tt -
5.4.2.3.2.5	Transient voltage determined by measurement	INLIES WALTE WALT W	<u></u>
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	Let suret muret way	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	et stat stret with	N/A
5.4.2.6	Clearance measurement	mu in m	N/A
5.4.3	Creepage distances	The street miller	N/A
5.4.3.1	General	all an in	N/A
5.4.3.3	Material group	with miter white w	ч [.] . —
5.4.3.4	Creepage distances measurement	i i i it	N/A
5.4.4	Solid insulation	Jet uniter white whi	N/A
5.4.4.1	General requirements	t at at	N/A
5.4.4.2	Minimum distance through insulation	WALT WALT WALT	N/A
5.4.4.3	Insulating compound forming solid insulation	At At	N/A
5.4.4.4	Solid insulation in semiconductor devices	1 Mart	N/A
5.4.4.5	Insulating compound forming cemented joints		N/A
5.4.4.6	Thin sheet material	when when any an	N/A
5.4.4.6.1	General requirements	at all all all	N/A
5.4.4.6.2	Separable thin sheet material	when when when	N/A
INTER ON	Number of layers (pcs)	all	N/A
5.4.4.6.3	Non-separable thin sheet material	and the an	N/A
in white	Number of layers (pcs)	tiet tiet white a	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	at the set of	N/A
5.4.4.6.5	Mandrel test	and me an	N/A
5.4.4.7	Solid insulation in wound components	at the the state	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz, E_P , K_R , d , V_{PW} (V)	when when we we	N/A
the the	Alternative by electric strength test, tested voltage (V), K_{R}	which which which a	N/A
5.4.5	Antenna terminal insulation	LIER WALTE WALT WA	N/A
5.4.5.1	General	i it it is	⊳ N/A
5.4.5.2	Voltage surge test	Strantin white white	N/A
5.4.5.3	Insulation resistance (MΩ)	s s t	N/A



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IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
- she		the work work work	
<u> </u>	Electric strength test	the set	N/A
5.4.6	Insulation of internal wire as part of supplementary safeguard	white white whe we	N/A
5.4.7	Tests for semiconductor components and for cemented joints	NUTER WALTER WALTER WALT	N/A
5.4.8	Humidity conditioning	at let let 5th	N/A
	Relative humidity (%), temperature (°C), duration (h)	which which which	
5.4.9	Electric strength test	white white white a	N/A
5.4.9.1	Test procedure for type test of solid insulation	it at let .	N/A
5.4.9.2	Test procedure for routine test	white white white white	N/A
5.4.10	Safeguards against transient voltages from external circuits	LIET MITEX MUTEX WALTE	N/A
5.4.10.1	Parts and circuits separated from external circuits	1 & A At	N/A
5.4.10.2	Test methods	antit whit white	N/A
5.4.10.2.1	General	at at at	N/A
5.4.10.2.2	Impulse test	white white white we	N/A
5.4.10.2.3	Steady-state test	at a star	N/A
5.4.10.3	Verification for insulation breakdown for impulse test	a sur with	N/A
5.4.11	Separation between external circuits and earth	The water water water	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	t aret wret wret	N/A
5.4.11.2	Requirements	the the second	N/A
when wh	SPDs bridge separation between external circuit and earth	WALTER WALTER WALTER WA	N/A
L'IE MALI	Rated operating voltage U _{op} (V)	ret used when when	
t at	Nominal voltage U _{peak} (V)	he me in he	
WILL	Max increase due to variation ΔU_{sp}	et allet allet white	- n
to	Max increase due to ageing ΔU_{sa}	the state	_
5.4.11.3	Test method and compliance	mile while while w	N/A
5.4.12	Insulating liquid	a at the	N/A
5.4.12.1	General requirements	UNLIE WALL WALL WAL	N/A
5.4.12.2	Electric strength of an insulating liquid	a de de d	N/A
5.4.12.3	Compatibility of an insulating liquid	it whit whit whit	N/A
5.4.12.4	Container for insulating liquid	at at let let	N/A
5.5	Components as safeguards	white white white	N/A
5.5.1	General	No such components as safeguards.	



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Clause	IEC 62368-1	Desult Dement	Verdict
Clause	Requirement – Test	Result – Remark	verdici
5.5.2	Capacitors and RC units	Wet were all	N/A
5.5.2.1	General requirement	NUTER INUTE WALTE	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	The state with a	N/A
5.5.3	Transformers	and the main of	N/A
5.5.4	Optocouplers	SEX NUMBER OF STREET STREET	N/A
5.5.5	Relays	4 4 ×	N/A
5.5.6	Resistors	et auter antifer and ite	N/A
5.5.7	SPDs	1 × ×	N/A
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable	white white white	N/A
5.5.9	Safeguards for socket-outlets in outdoor equipment	LIEK WAITER WAITER WA	N/A
A NUTER	RCD rated residual operating current (mA)	of the set of	× –
5.6	Protective conductor	Mr. Mr. Mr.	N/A
5.6.2	Requirement for protective conductors	+ set set site	N/A
5.6.2.1	General requirements	Class III equipment	N/A
5.6.2.2	Colour of insulation	ALL MUTER A	N/A
5.6.3	Requirement for protective earthing conductors		N/A
er mer	Protective earthing conductor size (mm ²)	JER MITE MATE MATE	· · ·
t united	Protective earthing conductor serving as a reinforced safeguard	at the state with	N/A
	Protective earthing conductor serving as a double safeguard	when when the	N/A
5.6.4	Requirements for protective bonding conductors	MALL WALL WALL	N/A
5.6.4.1	Protective bonding conductors	it it st	Ś
	Protective bonding conductor size (mm ²)	her me me m	
5.6.4.2	Protective current rating (A)	et set set and	N/A
5.6.5	Terminals for protective conductors	me me in	N/A
5.6.5.1	Terminal size for connecting protective earthing conductors (mm)	WALTER WALTER WALTER	N/A
white w	Terminal size for connecting protective bonding conductors (mm)	Whitek whitek whitek w	N/A
5.6.5.2	Corrosion	a to the	N/A
5.6.6	Resistance of the protective bonding system	L'IE WALL WALL WAY	N/A
5.6.6.1	Requirements	t at at all	N/A
5.6.6.2	Test Method	white white white	N/A
5.6.6.3	Resistance (Ω) or voltage drop	the state of the	N/A



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Clause	Requirement – Test	Result – Remark	Verdict	
5.6.7	Reliable connection of a protective earthing conductor	and and and and	N/A	
5.6.8	Functional earthing	Mrs. Mrs. M. M.	N/A	
STE MA	Conductor size (mm ²)	tet tet atter atter	N/A	
1 1	Class II with functional earthing marking	We she so an	N/A	
I INNE	Appliance inlet cl &cr (mm)	LEK STER NITER WITE S	N/A	
5.7	Prospective touch voltage, touch current and p	rotective conductor current	N/A	
5.7.2	Measuring devices and networks	et aller miller antic and	N/A	
5.7.2.1	Measurement of touch current	Shi i to the fe	N/A	
5.7.2.2	Measurement of voltage	white white white white	~ [©] N/A	
5.7.3	Equipment set-up, supply connections and earth connections	Tet allet with any	N/A	
5.7.4	Unearthed accessible parts	a the second	N/A	
5.7.5	Earthed accessible conductive parts	et with mile white w	N/A	
5.7.6	Requirements when touch current exceeds ES2 limits	and the state with and	N/A	
	Protective conductor current (mA)	when the she and	N/A	
NUTE MA	Instructional Safeguard	at ante white	N/A	
5.7.7	Prospective touch voltage and touch current associated with external circuits		N/A	
5.7.7.1	Touch current from coaxial cables	an when when when it	N/A	
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	A WALFER WALFER WALFER WA	N/A	
5.7.8	Summation of touch currents from external circuits	sufet intret white white	N/A	
LIEX JAY	a) Equipment connected to earthed external circuits, current (mA)	Tet is the suret milet	N/A	
et stet	b) Equipment connected to unearthed external circuits, current (mA)	at let get get	N/A	
5.8	Backfeed safeguard in battery backed up supplies		N/A	
NUTE	Mains terminal ES	No battery used	N/A	
	Air gap (mm)	me me me	N/A	

6	ELECTRICALLY- CAUSED FIRE		P
6.2	Classification of PS and PIS	at all set set	ST P.S
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



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	IEC 62368-1	er the the the	
Clause	Requirement – Test	Result – Remark	Verdict
6.2.3	Classification of potential ignition sources	See the following details.	Р
6.2.3.1	Arcing PIS	No Arcing PIS exist in the equipment	N/A
6.2.3.2	Resistive PIS	(See appended table 6.2.3.2)	P
6.3	Safeguards against fire under normal operating conditions		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 SANT
n. n	Combustible materials outside fire enclosure	No such parts	N/A
6.4	Safeguards against fire under single fault condi	tions	P
6.4.1	Safeguard method	Method by control of fire spread applied	P
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	White white white white w	N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	White white white white	N/A
6.4.3.1	Supplementary safeguards	Let the street street	N/A
6.4.3.2	Single Fault Conditions	- a chine we	N/A
ren unite	Special conditions for temperature limited by fuse	the star with all the	N/A
6.4.4	Control of fire spread in PS1 circuits	Mr. Mr. In.	Р
6.4.5	Control of fire spread in PS2 circuits	et the whet muter and	Р
6.4.5.2	Supplementary safeguards	241 241	P
6.4.6	Control of fire spread in PS3 circuits	white white white white	N/A
6.4.7	Separation of combustible materials from a PIS	sur sur at at	N/A
6.4.7.2	Separation by distance	NUTER MUTER MALTE WALL	N/A
6.4.7.3	Separation by a fire barrier	i i i it it	N/A
6.4.8	Fire enclosures and fire barriers	See 6.4.5	N/A
6.4.8.2	Fire enclosure and fire barrier material properties	the state	N/A
6.4.8.2.1	Requirements for a fire barrier	white white white white	N/A
6.4.8.2.2	Requirements for a fire enclosure	at at at all	N/A
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	whit whit with with	N/A
6.4.8.3.1	Fire enclosure and fire barrier openings	LIEF MALTER MALLE MALL	N/A
6.4.8.3.2	Fire barrier dimensions	1 A A A	N/A
6.4.8.3.3	Top openings and properties	is unite white white we	N/A
, dr	Openings dimensions (mm)	1 A A A	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
m	at the second	the state when when wh	an an
6.4.8.3.4	Bottom openings and properties	who we want	N/A
	Openings dimensions (mm)	white white white white	N/A
street whit	Flammability tests for the bottom of a fire enclosure	tet stet with mitet	N/A
A de	Instructional Safeguard	ner when you want	N/A
6.4.8.3.5	Side openings and properties	the suffer outer sputter as	N/A
. A.	Openings dimensions (mm)	the the	N/A
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c)	watter watter waite and	N/A
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating	NALTEX MALIEX WALTER WALTE	N/A
6.4.9 💉	Flammability of insulating liquid	at let get get	Ň/A S
6.5	Internal and external wiring	ner when when when	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.	Per
6.5.2	Requirements for interconnection to building wiring	See 6.5.1.	WILL P W
6.5.3	Internal wiring size (mm2) for socket-outlets	No such wire used	N/A
6.6	Safeguards against fire due to the connection to ac	dditional equipment	N/A

7	INJURY CAUSED BY HAZARDOUS SUBSTANCES	N/A
7.2	Reduction of exposure to hazardous substances	N/A
7.3	Ozone exposure	N/A ~/
7.4	Use of personal safeguards or personal protective equipment (PPE)	N/A
in al	Personal safeguards and instructions	_
7.5	Use of instructional safeguards and instructions	N/A^
alle.	Instructional safeguard (ISO 7010)	_
7.6	Batteries and their protection circuits	N/A

8	MECHANICALLY-CAUSED INJURY		Р
8.2	Mechanical energy source classifications		211 P 211
8.3	Safeguards against mechanical energy sources	LA A A	∑
8.4	Safeguards against parts with sharp edges and corners		Р
8.4.1	Safeguards	e at at at	5° P.5°
- NO	Instructional Safeguard:	MS1: Edges and corners of enclosure	Р



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Clause	Requirement – Test	Result – Remark	Verdict
		Result Remark	
8.4.2	Sharp edges or corners	Edges and corners of the enclosure are rounded.	P
8.5	Safeguards against moving parts	mer mer wer we	N/A
8.5.1	Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts	No moving parts.	N/A
EK WALTER	MS2 or MS3 part required to be accessible for the function of the equipment	See above.	N/A
- Let	Moving MS3 parts only accessible to skilled person	· · · · ·	o N/A
8.5.2	Instructional safeguard	and and and and and	N/A
8.5.4	Special categories of equipment containing moving parts	suret muset aminet amine	N/A
8.5.4.1	General	st it st	N/A
8.5.4.2	Equipment containing work cells with MS3 parts	LIET WITE MUTE WALL	N/A
8.5.4.2.1	Protection of persons in the work cell	1 A A At	N/A
8.5.4.2.2	Access protection override	it white white white wh	N/A
8.5.4.2.2.1	Override system	at at at 5	N/A
8.5.4.2.2.2	Visual indicator	where where where where	N/A
8.5.4.2.3	Emergency stop system	at the state	N/A
et set	Maximum stopping distance from the point of activation (m):		N/A
with the set	Space between end point and nearest fixed mechanical part (mm):	The work with a	N/A
8.5.4.2.4	Endurance requirements	at instruction white whi	N/A
NUNLIFEK WINY	Mechanical system subjected to 100 000 cycles of operation	The wind mand and	N/A
de de	- Mechanical function check and visual inspection	all an at at	N/A
in men	- Cable assembly:	where white white white	N/A
8.5.4.3	Equipment having electromechanical device for destruction of media	let allet will will be all	N/A
8.5.4.3.1	Equipment safeguards	The the second	N/A
8.5.4.3.2	Instructional safeguards against moving parts:	NIEL MILL MAIL WAL	N/A
8.5.4.3.3	Disconnection from the supply	in a state	N/A
8.5.4.3.4	Cut type and test force (N):	UNLIES MALL MALL MALL	⊲ ⁰ N/A
8.5.4.3.5	Compliance	+ + + +	N/A
8.5.5	High pressure lamps	No high pressure lamps used.	N/A
t Jet	Explosion test:	at at let let	N/A
8.5.5.3	Glass particles dimensions (mm):	white white white will	N/A
8.6	Stability of equipment	at at at a	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
8.6.1	General	MS1: Mass of the unit	N/A
	Instructional safeguard:		N/A
8.6.2	Static stability	mer me m m	N/A
8.6.2.2	Static stability test:	LIFE NEED WITH MILE	N/A
8.6.2.3	Downward force test	and an an an	N/A
8.6.3	Relocation stability	And Mile Marter Mart	N/A
	Wheels diameter (mm)	i stat at	
- surr	Tilt test	Anti-white white w	N/A
8.6.4	Glass slide test	1 1 1 1 5	N/A
8.6.5	Horizontal force test	Main Main Mar Mar	N/A
8.7	Equipment mounted to wall, ceiling or other stru	Icture	N/A
8.7.1	Mount means type		N/A
8.7.2	Test methods	et get whet whet	N/A
	Test 1, additional downwards force (N):	- and and and a	N/A
where a	Test 2, number of attachment points and test force (N)	miter white white we	N/A
WITER WAY	Test 3 Nominal diameter (mm) and applied torque (Nm)	at white white	N/A
8.8	Handles strength	and the second second	N/A
8.8.1	General	No handles	N/A
8.8.2	Handle strength test	at the state states	N/A
 	Number of handles:	MU. M. M.	
untile al	Force applied (N):	Tet stret white wh	1° NIL
8.9	Wheels or casters attachment requirements	AND AND AN AN AN	N/A
8.9.2	Pull test	No such parts	N/A
8.10 🦽	Carts, stands and similar carriers	i i i i it	N/A
8.10.1	General	No carts, stands or similar carriers	N/A
8.10.2	Marking and instructions:	LIFE MITER INTERIN	N/A
8.10.3	Cart, stand or carrier loading test	20 20 20	N/A
ner w	Loading force applied (N):	aller while while whi	N/A
8.10.4	Cart, stand or carrier impact test	the state	N/A
8.10.5	Mechanical stability	LE MALE MALL MALL	N/A
t Set	Force applied (N):	t at at at	
8.10.6	Thermoplastic temperature stability	white white white a	N/A
8.11	Mounting means for slide-rail mounted equipme	ent (SRME)	< N/Á



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Clause	Requirement – Test	Result – Remark	Verdict
8 11 1	General	No such parts	Ν/Δ

to a	Button/ball diameter (mm):	No such parts	_
8.12	Telescoping or rod antennas	at at 5th 5th	N/A
8.11.4	Compliance	white white white white	N/A
8.11.3.3	Integrity of slide rail end stops	t at at at a	N/A
8.11.3.2	Lateral push force test	LE MALL WILL WAL W	N/A
8.11.3.1	Downward force test, force (N) applied:	a at at at	N/A
8.11.3	Mechanical strength test	MITER WALTE WALT WAL	N/A
	Instructional Safeguard:	so it it it	N/A
8.11.2	Requirements for slide rails	ALTER METER WHITE WHIT	√Ñ/A ⊸
8.11.1	General	No such parts	N/A

9	THERMAL BURN INJURY		P
9.2 🦪	Thermal energy source classifications	a at at at	P.S
9.3	Touch temperature limits	inter white whe we we	Р
9.3.1	Touch temperatures of accessible parts	: (See appended table 5.4.1.4, 9.3, B.1.5, B.2.6)	P
9.3.2	Test method and compliance	See B.1.6 & B.2.3	. «Р
9.4	Safeguards against thermal energy sources	and sunth white	м Р 4
9.5	Requirements for safeguards		5 ⁰⁵ P _3
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.	P
9.5.2	Instructional safeguard	: Instructional safeguard is not required.	N/A
9.6	Requirements for wireless power transmitters	S THE THE MUTE MUTE	n ^{er} P.M
9.6.1	General	a shi wat	P .
9.6.2	Specification of the foreign objects	white white white white wh	P
9.6.3	Test method and compliance		← P.⊘

10	RADIATION		N/A
10.2	Radiation energy source classification	Tex stree mile white	JAN/A J
10.2.1	General classification	The LED lamp should be additional evaluated according to IEC 62471.	N/A
* 55	Lasers	that at at a	
20	Lamps and lamp systems:	white white where white	_
Set	Image projectors:	it it is inter it	



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20	the state of the s	IEC 62368-1	m. m. m.
Clause	Requirement – Test	Result – Remark	Verdict

	X-Ray:	the second second	. —
me m	Personal music player:	* outer onthe only of any	_
10.3	Safeguards against laser radiation	the state of	N/A
en and	The standard(s) equipment containing laser(s) comply:	No laser radiation	N/A
10.4	Safeguards against optical radiation from lam (including LED types)	ps and lamp systems	N/A
10.4.1	General requirements	The LED lamp should be additional evaluated according to IEC 62471.	N/A
LER WALL	Instructional safeguard provided for accessible radiation level needs to exceed	and such states	N/A
u at	Risk group marking and location:	her me me m	N/A
NUT	Information for safe operation and installation	let stat strat when all	N/A
10.4.2	Requirements for enclosures	w. w. w. w	N/A
White of	UV radiation exposure:	y whet while while whi	N/A
10.4.3	Instructional safeguard:		N/A
10.5	Safeguards against X-radiation	at antie white	N/A
10.5.1	Requirements	No X-radiation	N/A
m	Instructional safeguard for skilled persons	The mile white white	§
10.5.3	Maximum radiation (pA/kg)	the state	_
10.6	Safeguards against acoustic energy sources	re music while which wh	N/A
10.6.1	General	No such equipment	N/A
10.6.2	Classification	white white white white	N/A
58*	Acoustic output <i>L</i> _{Aeq,T} , dB(A):	at at at at	N/A
	Unweighted RMS output voltage (mV):	anti wat was war	N/A
et intre	Digital output signal (dBFS)	at not not when	N/A
10.6.3	Requirements for dose-based systems	i w. w. w	N/A
10.6.3.1	General requirements	et stet stret when wh	N/A
10.6.3.2	Dose-based warning and automatic decrease	me me me	N/A
10.6.3.3	Exposure-based warning and requirements	THE LIFE MUTER WALTE	N/A
1. 1.	30 s integrated exposure level (MEL30):	mr m m	N/A
IL WALL	Warning for MEL ≥ 100 dB(A):	set when white white	N/A
10.6.4	Measurement methods	the state	N/A
10.6.5	Protection of persons	I at mile while while we	N/A
1th	Instructional safeguards	i the state of	N/A
10.6.6 🚿	Requirements for listening devices (headphones,	NUTE MUT WALL WALL	N/A



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	and the state of t	IEC 62368-1	26. 2.
Clause	Requirement – Test	Result – Remark	Verdict

A	earphones, etc.)	241 24	L
10.6.6.1	Corded listening devices with analogue input	the street outer white	N/A
the second	Listening device input voltage (mV)	and an an a	N/A
10.6.6.2	Corded listening devices with digital input	with with which which	s N/As
d _d	Max. acoustic output L _{Aeq,T} , dB(A):	so so t	N/A 🧹
10.6.6.3	Cordless listening devices	LER NITE INTE WALL W	N/A
, et	Max. acoustic output <i>L</i> _{Aeq,T} , dB(A):		o⊢ N/A⊘∽

В	NORMAL OPERATING CONDITION TESTS, ABI CONDITION TESTS AND SINGLE FAULT COND		P
B.1	General	mur mur m	Р
B.1.5	Temperature measurement conditions	(See appended table B.1.5)	N ST P
B.2	Normal operating conditions	up alle all an	Р
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	P
WALTER	Audio Amplifiers and equipment with audio amplifiers:	ANTIFE MATTER MATTER WATT	, P
B.2.3	Supply voltage and tolerances		N/A
B.2.5	Input test	(See appended table B.2.5)	<i>е</i> , Б
B.3	Simulated abnormal operating conditions		<u>ر المرکن</u>
B.3.1	General	(See appended table B.3)	Р
B.3.2	Covering of ventilation openings	No ventilation openings.	N/A
201	Instructional safeguard	me me me	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	No such output terminals	N/A
B.3.6	Reverse battery polarity	No such battery	N/A
B.3.7	Audio amplifier abnormal operating conditions	(See appended table B.3)	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions	All safeguards remained effective	P P
B.4	Simulated single fault conditions	me me me me	Р
B.4.1	General	tet alt are are	J. Ý
B.4.2	Temperature controlling device	No such parts	N/A
B.4.3	Blocked motor test	No motors	N/A
B.4.4	Functional insulation	See below.	, P
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.4)	P
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	P



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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	JUL P
B.4.9	Battery charging and discharging under single fault conditions	No such battery	N/A
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		N/A
C.2	UV light conditioning test	and man	N/A
C.2.1	Test apparatus:		N/A
C.2.2	Mounting of test samples	The works which where a	N/A
C.2.3	Carbon-arc light-exposure test	to the test of the	N/A
C.2.4	Xenon-arc light-exposure test	white white where we	N/A
D	TEST GENERATORS		N/A
D.1	Impulse test generators	white where white the	N/A
D.2	Antenna interface test generator	with with which which	N/A
D.3	Electronic pulse generator	in the in the	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	NING AUDIO AMPLIFIERS	P.S
E.1	Electrical energy source classification for audi	o signals	P
wine -	Maximum non-clipped output power (W):	(See appended table B.2.5)	
dit.	Rated load impedance (Ω):	(See appended table 4.1.2)	t —
ne m	Open-circuit output voltage (V):	(See appended table B.2.5)	
10° - 50	Instructional safeguard:	Provided in the manual	
E.2	Audio amplifier normal operating conditions	with white white white	Р
the state	Audio signal source type:	(See appended table B.2.5)	_
20	Audio output power (W):	(See appended table B.2.5)	_
10	Audio output voltage (V):	(See appended table B.2.5)	e



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Clause	Requirement – Test	Result – Remark	Verdict	
she	Poted load impedance (0)	(Cap appanded table (1.1.2)	-100.	
Set 1	Rated load impedance (Ω)			
201- 24	Requirements for temperature measurement	(See appended table 5.4.1.4, 9.3, B.1.5, B.2.6, B.3, B.4)	SN [™] P	
E.3	Audio amplifier abnormal operating conditions	(See appended table B.3)	Nº P	
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AN SAFEGUARDS	ID INSTRUCTIONAL	P	
F.1	General	we we we we we	Р	
NUTER .	Language	: English		
F.2	Letter symbols and graphical symbols	white all and an	P	
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	WILL P	
F.2.2	Graphic symbols according to IEC, ISO or manufacturer specific	Graphical symbols are complied with IEC 60417, ISO 3864-2, ISO 7000 or ISO 7010.	P V	
F.3	Equipment markings	a state of S	► _ P	
F.3.1	Equipment marking locations	The required marking is located on the enclosure of the equipment and is easily visible.	P	
F.3.2 🖉	Equipment identification markings	See below for details.	S P	
F.3.2.1	Manufacturer identification	: See copy of marking plate	Р	
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	t set set site and	N/A	
F.3.3.2	Equipment without direct connection to mains	See above.	Р	
F.3.3.3	Nature of the supply voltage	: See copy of marking plate.	Nº P	
F.3.3.4	Rated voltage	: See copy of marking plate.	P	
F.3.3.5	Rated frequency	thet when mile white w	N/A	
F.3.3.6	Rated current or rated power	: See copy of marking plate.	, P∠	
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	MUTER MALTE MALT MAL	N/A	
F.3.5.1	Mains appliance outlet and socket-outlet markings	TEX SUPER MUTER MUTER	N/A	
F.3.5.2	Switch position identification marking	in an an a	N/A	
F.3.5.3	Replacement fuse identification and rating markings	Ter white white white wh	N/A	
STE .	Instructional safeguards for neutral fuse	the set set set and	N/A	



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Clause	Requirement – Test	Result – Remark	Verdict
F.3.5.4	Replacement battery identification marking:	No such battery.	N/A
F.3.5.5	Neutral conductor terminal	No such parts.	N/A
F.3.5.6	Terminal marking location		N/A
F.3.6		Class III equipment	N/A
F.3.0	Equipment markings related to equipment classification		N/A
F.3.6.1	Class I equipment	TEX SLIFER MILE WALL W	N/A
F.3.6.1.1	Protective earthing conductor terminal	store at the state	N/A
F.3.6.1.2	Protective bonding conductor terminals:	A STER WITE WATE WAT	N/A
F.3.6.2	Equipment class marking:	W int at at	N/A
F.3.6.3	Functional earthing terminal marking:	WITER WAITE WALT WALT	_√ [™] N/A
F.3.7	Equipment IP rating marking:	This equipment is classified as IPX0.	MUTEK V
F.3.8	External power supply output marking:	No such parts.	N/A
F.3.9	Durability, legibility and permanence of marking	Marking is considered to be legible and easily discernible. See also the following details.	Р
F.3.10	Test for permanence of markings	The label was subjected to the permanence of marking test. The label was rubbed with cloth soaked with water for 15 sec. And then again for 15 sec, with the cloth soaked with petroleum spirit. After this test there was no damage to the label. The marking on the label did not fade. There was no curling and lifting of the label edge. After each test, the marking remained legible.	SALLER SALLER
F.4	Instructions	the set ster ster	P
	a)Information prior to installation and initial use	See user manual	Р
WALTE	b)Equipment for use in locations where children not likely to be present	ist white white white w	N/A
J.T.E.K.	c) Instructions for installation and interconnection	- at let set i	N/A
Self 1	d) Equipment intended for use only in restricted access area	wind with with with	N/A
n m	e) Equipment intended to be fastened in place	MITE WALT WALT WAL	N/A
1 1	f) Instructions for audio equipment terminals	s at at at	N/A
- Mr.	g) Protective earthing used as a safeguard	LIE MULT WALL WALL V	N/A
* white	h) Protective conductor current exceeding ES2 limits	of suret multiply and and	N/A
J.	i) Graphic symbols used on equipment	- 40 - 50 - 50 - 50 - 50 - 50 - 50 - 50	N/A



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0	IEC 62368-1	Descrit Demonstr	V a wall at
Clause	Requirement – Test	Result – Remark	Verdict
Whitek at	j) Permanently connected equipment not provided with all-pole mains switch	the set set stet	N/A
Ster St	k) Replaceable components or modules providing safeguard function	what what we are	N/A
in the	I) Equipment containing insulating liquid	Intra white when we	N/A
Let NUTE	m) Installation instructions for outdoor equipment	at at the set of	N/A
F.5	Instructional safeguards	the work which will	N/A
G	COMPONENTS		Р
G.1	Switches	mur mur m	N/A
G.1.1	General	No switch used	N/A
G.1.2	Ratings, endurance, spacing, maximum load	me me m	N/A
G.1.3	Test method and compliance	Tet with with an	N/A
G.2	Relays	her the second	N/A
G.2.1	Requirements	Jet stret intre white	N/A
G.2.2	Overload test	the state	N/A
G.2.3	Relay controlling connectors supplying power to other equipment	white white white	N/A
G.2.4	Test method and compliance	At Street	N/A
G.3	Protective devices		N/A
G.3.1	Thermal cut-offs	No such component	N/A
+ WHITEK	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	at the state with	N/A
. if the s	Thermal cut-outs tested as part of the equipment as indicated in c)	when when we we	N/A
G.3.1.2	Test method and compliance	white whe was a	N/A
G.3.2	Thermal links	No such component	N/A
G.3.2.1	a) Thermal links tested separately according to IEC 60691 with specifics	which which which which	N/A
-m-	b) Thermal links tested as part of the equipment	alle white white white	N/A
G.3.2.2	Test method and compliance	h at at at	N/A
G.3.3	PTC thermistors	No such component	N/A
G.3.4	Overcurrent protection devices	No such component	N/A
G.3.5	Safeguards components not mentioned in G.3.1 to G.3.4	white white where we	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	Price Maine Main Mai	N/A
G.3.5.2	Single faults conditions:	Set outer anties and	N/A
G.4	Connectors	su at at	N/A
G.4.1	Spacings	No such component	N/A



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24	IEC 62368-1	net we we we	24 24
Clause	Requirement – Test	Result – Remark	Verdict
m		let white white white	me me
G.4.2	Mains connector configuration	the state	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	MALIE MALIE MALIE	N/A
G.5	Wound components		
G.5.1	Wire insulation in wound components	No such component	N/A
G.5.1.2	Protection against mechanical stress	ster street outer which	N/A
G.5.2	Endurance test	the second second	N/A
G.5.2.1	General test requirements	et attet intite muit	N/A
G.5.2.2	Heat run test	w t t	N/A
me in	Test time (days per cycle):	MITER WATE WALT W	hr
1 1	Test temperature (°C):	the state	<i>it</i> —
G.5.2.3	Wound components supplied from the mains	NUTER MAILS MAILS MAI	N/A
G.5.2.4	No insulation breakdown	1 1 1 A	N/A
G.5.3	Transformers	and white white white	N/A
G.5.3.1	Compliance method:	at at at	N/A
The a	Position:	White white white	N/A
State of	Method of protection	the state	́́́́́́́́́́́́́́́́́́́́́́́́́́́́́́́́́
G.5.3.2	Insulation	in the second	N/A
fet intre	Protection from displacement of windings:	the star with all	et
G.5.3.3	Transformer overload tests	and an an	N/A
G.5.3.3.1	Test conditions	et the tree with	N/A
G.5.3.3.2	Winding temperatures	Mr. Mr. 20	N/A
G.5.3.3.3	Winding temperatures - alternative test method	LIEK NIEK MIE	N/A
G.5.3.4	Transformers using FIW	and an an	N/A
G.5.3.4.1	General	white are white wh	N/A
8 B	FIW wire nominal diameter:		* –
G.5.3.4.2	Transformers with basic insulation only	TER INTER WALL WALL	N/Å
G.5.3.4.3	Transformers with double insulation or reinforced insulation:	t stift millt white	N/A
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	Tet stet with	N/A
G.5.3.4.5	Thermal cycling test and compliance	m. m. in a	N/A
G.5.3.4.6	Partial discharge test	ster ster atter and	N/A
G.5.3.4.7	Routine test	- In In In	N/A
G.5.4	Motors	No motors used.	N/A
G.5.4.1	General requirements	Mr w w	N/A
G.5.4.2	Motor overload test conditions	the stre stre	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
- Nr.	and and and and and all of	et allet allet white	white with
G.5.4.3	Running overload test	M W t	N/A
G.5.4.4.2	Locked-rotor overload test	NUTER INTERNATION	N/A
the s	Test duration (days)	sur at at	1 -
G.5.4.5	Running overload test for DC motors	NUTER WALTE WALL WA	N/A
G.5.4.5.2	Tested in the unit	a shat to	<u>م</u> الم
G.5.4.5.3	Alternative method	Main water water water	N/A
G.5.4.6	Locked-rotor overload test for DC motors	L A A A	N/A
G.5.4.6.2	Tested in the unit	white white white	N/A
STATE ON	Maximum Temperature	at at set	N/A
G.5.4.6.3	Alternative method	WALL WALL WALL W	N/A
G.5.4.7	Motors with capacitors	at at the set	N/A
G.5.4.8	Three-phase motors	the me me me	N/A
G.5.4.9	Series motors	at the state state	N/A
	Operating voltage:	me me m	_
G.6	Wire Insulation		N/A
G.6.1	General	Only ES1 existed	N/A
G.6.2	Enamelled winding wire insulation	att and the av	N/A
G.7	Mains supply cords		N/A
G.7.1	General requirements	No such component	N/A
t st	Туре		_
G.7.2	Cross sectional area (mm ² or AWG):	INTERNATION WATER	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	thet super multiple	N/A
G.7.3.2	Cord strain relief	30 W	N/A
G.7.3.2.1	Requirements	NUTER INTERNATION	N/A
of the	Strain relief test force (N)		N/A
G.7.3.2.2	Strain relief mechanism failure	there while while while	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	the at at	N/A
G.7.3.2.4	Strain relief and cord anchorage material	white white white	N/A
G.7.4	Cord Entry	at the state	N/A
G.7.5	Non-detachable cord bend protection	White white white w	N/A
G.7.5.1	Requirements	at at at a	N/A
G.7.5.2	Test method and compliance	the mer mer me	N/A
MALTER	Overall diameter or minor overall dimension, <i>D</i> (mm):	et white white white	we -
.dr	Radius of curvature after test (mm):	and the	<i>i</i> _



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Clause	Requirement – Test	Result – Remark	Verdict
- mr.		the well with any on	-10-
G.7.6	Supply wiring space	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
G.7.6.1	General requirements	white white white white	_√N/A
G.7.6.2	Stranded wire	the state of the	N/A
G.7.6.2.1	Requirements	mite water water water	N/A
G.7.6.2.2	Test with 8 mm strand	a state	N/A
G.8	Varistors	LIE WALL WALL WALL W	N/A
G.8.1	General requirements	No such component	N/A
G.8.2	Safeguards against fire	white white white white	N/A
G.8.2.1	General	at at at at	N/A
G.8.2.2	Varistor overload test	white white when whe	N/A
G.8.2.3	Temporary overvoltage test	at not not when	N/A
G.9	Integrated circuit (IC) current limiters	with more and and	N/A
G.9.1	Requirements	No such component	N/A
	IC limiter output current (max. 5A):	where where we are	_
JULIE N	Manufacturers' defined drift :	State State with white	
G.9.2	Test Program	and and an an	N/A
G.9.3	Compliance	at anti-	N/A
G.10	Resistors		N/A
G.10.1	General	No such component	N/A
G.10.2	Conditioning	and the	N/A
G.10.3	Resistor test	mill mill white white wh	N/A
G.10.4	Voltage surge test		N/A
G.10.5	Impulse test	internation which which	N/A
G.10.6	Overload test	s at at at	N/A
G.11	Capacitors and RC units	INTER WATER WATER WATER	N/A
G.11.1	General requirements	No such component	N/A
G.11.2	Conditioning of capacitors and RC units	in the she was a	N/A
G.11.3	Rules for selecting capacitors	+ 10 10 5th 2	N/A
G.12	Optocouplers	Mr. Mr. M. M.	N/A
INLIET WIN	Optocouplers comply with IEC 60747-5-5 with specifics	No such component	N/A
5 ⁴⁵ . 5 ⁴	Type test voltage V _{ini,a} :	it it let let	_
- alle	Routine test voltage, V _{ini, b} :	the write write write	_
G.13	Printed boards	t it it it	P
G.13.1	General requirements	Only need to comply with functional insulation, see only B.4.4.	P



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	IEC 62368-1	NUTE INTE WALL WAL	
Clause	Requirement – Test	Result – Remark	Verdict
G.13.2	Uncoated printed boards	In white white white	N/A
G.13.3	Coated printed boards	the set state	N/A
G.13.4	Insulation between conductors on the same inner surface	white white all a	N/A
G.13.5	Insulation between conductors on different surfaces	and when we will all	N/A
24	Distance through insulation:	white white white	N/A
NUTET .	Number of insulation layers (pcs):	t at set set	
G.13.6	Tests on coated printed boards	mus mus mus	N/A
G.13.6.1	Sample preparation and preliminary inspection	the set states	N/A
G.13.6.2	Test method and compliance	and and any a	N/A
G.14	Coating on components terminals	Tet wet with a	N/A
G.14.1	Requirements		
G.15	Pressurized liquid filled components	THE NUTER MUTER WITH	N/A
G.15.1	Requirements	No such component	N/A
G.15.2	Test methods and compliance	NUTER INTER WAITE	N/A
G.15.2.1	Hydrostatic pressure test	and the second second	N/A
G.15.2.2	Creep resistance test	We the second	N/A
G.15.2.3	Tubing and fittings compatibility test		⊘N/A
G.15.2.4	Vibration test	sure while white white	N/A
G.15.2.5	Thermal cycling test	L A At At	N/A
G.15.2.6	Force test	which which which	N/A
G.15.3	Compliance	at the set	N/A
G.16	IC including capacitor discharge function (ICX)	mer me me a	N/A
G.16.1	Condition for fault tested is not required	No such component	N/A
1 4	ICX with associated circuitry tested in equipment	and my me me	N/A
er NNLIE	ICX tested separately	let ster ster with	N/A
G.16.2	Tests	me m m	N/A
white w	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	white white white	witz -
INLIER WIN	Mains voltage that impulses to be superimposed on	MITER WAITER WAITER W	.ure —
TEX WALTE	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test:	ret writer writer and	(et _
G.16.3	Capacitor discharge test:	Star Star Star	N/A
н	CRITERIA FOR TELEPHONE RINGING SIGNAL	s	N/A
H.1_&	General	A A A	- N/A
H.2	Method A	NUTE OUT MULL	N/A

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20		IEC 62368-1	ton to.
Clause	Requirement – Test	Result – Remark	Verdict

H.3	Method B		N/A
H.3.1	Ringing signal	No telephone ringing signal generated within the equipment.	N/A
H.3.1.1	Frequency (Hz):	mit white white white	
H.3.1.2	Voltage (V):	at let let set	
H.3.1.3	Cadence; time (s) and voltage (V):	a ma ma ma no	
H.3.1.4	Single fault current (mA):	t tet the state of	
H.3.2	Tripping device and monitoring voltage	me me me	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	WALTER WAITER WALTE WALTE	N/A
H.3.2.2	Tripping device	at the set when	N/A
H.3.2.3	Monitoring voltage (V):	or my me me	N/A
J	INSULATED WINDING WIRES FOR USE WITHO	UT INTERLEAVED	N/A
J.1	General	- at all all all	N/A
in a	Winding wire insulation:	white mer when when	
NITER IN	Solid round winding wire, diameter (mm):	at the state	N/A
let the	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm ²):	and the set	N/A
J.2/J.3	Tests and Manufacturing	it while when when a	
К	SAFETY INTERLOCKS		N/A
K.1	General requirements	mer mer me m	N/A
untites un	Instructional safeguard:	No safety interlock provided within the equipment.	N/A
K.2	Components of safety interlock safeguard mec	hanism	N/A
K.3	Inadvertent change of operating mode	mit wait wat wat	N/A
K.4	Interlock safeguard override	at let the states	N/A
K.5	Fail-safe	in must must me an	N/A
K.5.1	Under single fault condition	- the the state and	N/A
K.6	Mechanically operated safety interlocks	mur mur mur m	N/A
K.6.1	Endurance requirement	stet stet atter atte	N/A
K.6.2	Test method and compliance	nu nu nu	N/A
K.7	Interlock circuit isolation	TEX STER MUTER MUTER	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements	at the set with a	N/A
.et	In circuit connected to mains, separation distance for contact gaps (mm):	white with the set	N/A



N/A

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Clause	Requirement – Test	Result – Remark	Verdict
- SUL	In circuit isolated from mains, separation distance	the water water water water	N/A
	for contact gaps (mm):	at the set and	IN/A
ant a	Electric strength test before and after the test of K.7.2	(See appended table 5.4.9)	N/A
K.7.2	Overload test, Current (A):	mill while while while	N/A
K.7.3	Endurance test	at let let set	N/A
K.7.4	Electric strength test	and and and a	N/A
L	DISCONNECT DEVICES		N/A
L.1	General requirements	mur mu m.	N/A
L.2	Permanently connected equipment	the state street with	N/A
L.3	Parts that remain energized	m. m. m. r.	N/A
Ľ.4 🔊	Single-phase equipment	ster street where white	N/A
L.5	Three-phase equipment	a man man	N/A
L.6	Switches as disconnect devices	et with mile while w	N/A
L.7	Plugs as disconnect devices	the second second	N/A
L.8	Multiple power sources	white white white white	⇒N/A
dt .	Instructional safeguard	the second second	N/A
М	EQUIPMENT CONTAINING BATTERIES AND THEIR PROTECTION CIRCUITS		ov N/A
M.1 🟑	General requirements		N/A
M.2	Safety of batteries and their cells		N/A
M.2.1	Batteries and their cells comply with relevant IEC standards	No battery used	N/A
M.3	Protection circuits for batteries provided within the equipment	Tet that which which	N/A
M.3.1	Requirements	mer me me to	N/A
M.3.2	Test method	tiet allet milet white	s ^{∞°} N/A
de de	Overcharging of a rechargeable battery	a man	N/A
winter	Excessive discharging	TEK MITER WATE WATE W	N/A
INLIEK N	Unintentional charging of a non-rechargeable battery	t tet thet with mit	N/A
4	Reverse charging of a rechargeable battery	me m m	N/A
M.3.3	Compliance	aret allet white white	N/A
M.4	Additional safeguards for equipment containing a portable secondary lithium battery		N/A
M.4.1	General	when the second of	N/A
M.4.2	Charging safeguards	et alt allet allet allet	N/A
M.4.2.1	Requirements	mu m. m. n.	N/A
M 4 2 2	Compliance		NI/A

Compliance.....:

M.4.2.2



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Clause	Requirement – Test	Result – Remark	Verdict
		En alter white white and	
M.4.3	Fire enclosure	1 10 10 5	N/A
M.4.4	Drop test of equipment containing a secondary lithium battery	WINTE WALL WALL WAL	N/A
M.4.4.2	Preparation and procedure for the drop test	ster ster atter with	N/A
M.4.4.3	Drop, Voltage on reference and dropped batteries (V); voltage difference during 24 h period (%)::	at set set we	N/A
M.4.4.4	Check of the charge/discharge function	a me me me	N/A
M.4.4.5	Charge / discharge cycle test	t at all all all	N/A
M.4.4.6	Compliance	mur mur mur mu	N/A
M.5	Risk of burn due to short-circuit during carrying	g the state state with	N/A
M.5.1	Requirement	m. m. m. m	N/A
M.5.2	Test method and compliance	Tet the when when	N/A
M.6	Safeguards against short-circuits	1 - 10 - 10 - 1	N/A
M.6.1	External and internal faults	et what muse muse w	N/A
M.6.2	Compliance	Mill Shi At	N/A
M.7 🔹	Risk of explosion from lead acid and NiCd batteries		N/A
M.7.1	Ventilation preventing explosive gas concentration	at anter outer	N/A
1 1	Calculated hydrogen generation rate:		N/A
M.7.2	Test method and compliance	The other with white a	N/A
6 15	Minimum air flow rate, Q (m ³ /h)	mi su st	N/A
M.7.3	Ventilation tests	t white mile white wh	N/A
M.7.3.1	General	and the second	N/A
M.7.3.2	Ventilation test – alternative 1	NUTER INTE WALT WALT	⊲ [®] N/A
de s	Hydrogen gas concentration (%):	i i it it it	N/A
M.7.3.3	Ventilation test – alternative 2	NUTE INTE INTE UNIT	N/A
et 5th	Obtained hydrogen generation rate:	s at at at	N/A
M.7.3.4	Ventilation test – alternative 3	is white white white wh	N/A
JEt	Hydrogen gas concentration (%):	at at at a	N/A
M.7.4	Marking	main man wat me	N/A
M.8	Protection against internal ignition from externative with aqueous electrolyte	al spark sources of batteries	N/A
M.8.1	General	1 A A A	N/A
M.8.2	Test method	LIE MALL WALL MALL	N/A
M.8.2.1	General	1 of of At	N/A
M.8.2.2	Estimation of hypothetical volume V _Z (m ³ /s):	which which which we	
M.8.2.3	Correction factors	at at at a	1 <u>1</u>

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Clause	Requirement – Test	Result – Remark	Verdict	
M.8.2.4	Calculation of distance <i>d</i> (mm):	White white white a	the star	
	A BY BY BY SY	- it it it		
M.9 📣	Preventing electrolyte spillage	white when when all	N/A	
M.9.1	Protection from electrolyte spillage	the set of a	N/A	
M.9.2	Tray for preventing electrolyte spillage	mer when when we	N/A	
M.10	Instructions to prevent reasonably foreseeable misuse	ret whet where where	N/A	
- 15-	Instructional safeguard	the second second	N/A	
N	ELECTROCHEMICAL POTENTIALS	et outer white white w	N/A	
At	Material(s) used:	the state	de tot	
0 <i>~</i> 0	MEASUREMENT OF CREEPAGE DISTANCES A	ND CLEARANCES	√ [™] N/A	
St 5	Value of <i>X</i> (mm):	a at at at	- <u>11-</u>	
Р 🥠	SAFEGUARDS AGAINST CONDUCTIVE OBJEC	TS of of	P	
P.1 🝼	General	See below	Set PS	
P.2	Safeguards against entry or consequences of e	entry of a foreign object	Р	
P.2.1	General	at at the	P	
P.2.2	Safeguards against entry of a foreign object	white white white white	Р	
NUTER NO	Location and Dimensions (mm)	No opening.	anter.	
P.2.3	Safeguards against the consequences of entry of a foreign object		N/A	
P.2.3.1	Safeguard requirements	The write with write	N/A	
WALTER	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment	* WHITEK WHITEK WHITEK W	N/A	
NUNITEK NI	Transportable equipment with metalized plastic parts:	with mitter mitter wat	N/A	
P.2.3.2	Consequence of entry test:	sult we we at	N/A	
P.3	Safeguards against spillage of internal liquids	ALTER MUTER WALT WALT	N/A	
P.3.1	General	No such liquids.	N/A	
P.3.2	Determination of spillage consequences	The watter watter water	N/A	
P.3.3	Spillage safeguards	that do	N/A	
P.3.4	Compliance	white white white wh	N/A	
P.4	Metallized coatings and adhesives securing pa	rts	N/A	
P.4.1	General	No such construction.	N/A	
P.4.2	Tests	at let get get	N/A	
24.	Conditioning, T _C (°C):	the sure sure sure	20 -	
A MUTER	Duration (weeks):	at the tree tree.	NYLET JEY	
Q	CIRCUITS INTENDED FOR INTERCONNECTION	WITH BUILDING WIRING	N/A	
Q.1	Limited power sources	At the off is	N/A	



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Clause	Requirement – Test	Result – Remark	Verdict	
Q.1.1	Requirements	White when we we	N/A	
WALTE N	a) Inherently limited output	white white white white	N/A	
de la	b) Impedance limited output	W W AL	N/A	
ner with	c) Regulating network limited output	alifet intres indice indice	N/A	
1 .C	d) Overcurrent protective device limited output		N/A	
m	e) IC current limiter complying with G.9	The souther working working w	N/A	
Q.1.2	Test method and compliance	i i i it it i	N/A	
WIT .	Current rating of overcurrent protective device (A)	white white white white	N/A	
Q.2	Test for external circuits – paired conductor cable	watter waite water water	N/A	
LIV WAL	Maximum output current (A):	THE STEP NUMBER MATE	N/A	
* 18	Current limiting method:	Ju Ju t	10-	
R	LIMITED SHORT CIRCUIT TEST	set writer white white w	N/A	
R.1	General	No such consideration.	N/A	
R.2	Test setup	white white white white	N/A	
let .	Overcurrent protective device for test:		- Sat	
R.3	Test method	The survey of the	N/A	
Set St	Cord/cable used for test		JIN-	
R.4	Compliance	in white white white a	N/A	
S 500	TESTS FOR RESISTANCE TO HEAT AND FIRE	at let let stat a	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	
m m	Samples, material:	until white white white	-24	
St S	Wall thickness (mm):	at at let stat		
-10	Conditioning (°C)	N'T MIL MIL MI	20 - 0	
EK WALTE	Test flame according to IEC 60695-11-5 with conditions as set out	ist white white white w	N/A	
Set	- Material not consumed completely	the state of	N/A	
-m -	- Material extinguishes within 30s	white white white white	N/A	
. Set .	- No burning of layer or wrapping tissue	at at at at	N/A	
S.2	Flammability test for fire enclosure and fire bar	rier integrity	N/A	
JEX MIT	Samples, material:	set set set set	NITE-	
and and	Wall thickness (mm):	in me me		
MALTER	Conditioning (°C)	at that what what is	Str. St.	
S.3	Flammability test for the bottom of a fire enclose	sure	N/A	
S.3.1	Mounting of samples	the the the off	N/A	



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IEC 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict		
0.0.0	- I when the wet of the set	and while while which when			
S.3.2	Test method and compliance	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A		
m. n	Mounting of samples	white white white white	-10-		
St. S	Wall thickness (mm):	the state of the	·		
S.4	Flammability classification of materials	MIT WALL WAL WAL	N/A		
S.5	Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W	Tet wattet wattet wattet	N/A		
	Samples, material:	t tet wet with a state of	Ster No.		
	Wall thickness (mm):	me m m			
Interes with	Conditioning (°C):	THE STAR MUSE WIT	wint		
Т	MECHANICAL STRENGTH TESTS	the the so of	P		
T.1 🔊	General				
T.2 _	Steady force test, 10 N:	the state	- N/A		
Т.3	Steady force test, 30 N:	et mile while while w	N/A		
T.4 🦽	Steady force test, 100 N:	a state	N/A		
Т.5	Steady force test, 250 N:	intre white white white	N/A		
Т.6	Enclosure impact test		N/A		
n m	Fall test	and and and	N/A		
Set No	Swing test	the set of the	N/A		
Т.7	Drop test:	WIT WIT WIT	N/A		
T.8	Stress relief test:	(See appended table T.8)	P		
Т.9	Glass Impact Test:	No such glass	N/A		
T.10	Glass fragmentation test	The with mitch whi	N/A		
	Number of particles counted:	No such glass	N/A		
T.11	Test for telescoping or rod antennas				
	Torque value (Nm):	No such antennas provided within the equipment.	N/A N/A		
U	MECHANICAL STRENGTH OF CATHODE RAY TUBES (CRT) AND PROTECTION AGAINST THE EFFECTS OF IMPLOSION		N/A		
U.1	General		N/A		
WILLER W	Instructional safeguard:	No CRT provided within the equipment.	N/A		
U.2 5	Test method and compliance for non-intrinsically protected CRTs		N/A		
U.3	Protective screen				
V	DETERMINATION OF ACCESSIBLE PARTS				
V.1	Accessible parts of equipment				
V.1.1	General	10 10 50 5	N/A		



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Clause	IEC 62368-1	Popult Pomork	Vardiat
Clause	Requirement – Test	Result – Remark	Verdict
V.1.2	Surfaces and openings tested with jointed test probes	AND THE THE AND	N/A
V.1.3	Openings tested with straight unjointed test probes	mer mer mer w	N/A
V.1.4	Plugs, jacks, connectors tested with blunt probe	and the state outer	N/A
V.1.5	Slot openings tested with wedge probe	in my my my	N/A
V.1.6	Terminals tested with rigid test wire	let whet whet white a	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)		
n n	Clearance:	white white white white	N/A
Y S	CONSTRUCTION REQUIREMENTS FOR OUTDOOR ENCLOSURES		Ň/A
Y.1	General	Indoor equipment	N/A
Y.2	Resistance to UV radiation	at let set set	N/A
Y.3	Resistance to corrosion	me me me	N/A
Y.3	Resistance to corrosion	- ret stat states out	N/A
Y.3.1	Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by	and all all the state	N/A
Y.3.2	Test apparatus	a sur all	N/A
Y.3.3	Water – saturated sulphur dioxide atmosphere		N/A
Y.3.4	Test procedure	a mur mur mur	N/A
Y.3.5	Compliance	t tet stet when a	N/A
Y.4	Gaskets	mr mr m r	N/A
Y.4.1	General	whet whet whet which	N/A
Y.4.2	Gasket tests	me me me	N/A
Y.4.3	Tensile strength and elongation tests	ret are mile mile	N/A
1 10	Alternative test methods:	an an at	N/A
Y.4.4	Compression test	let ourer onlife while of	N/A
Y.4.5	Oil resistance	the state	⊢ N/A
Y.4.6	Securing means	INTER WALL WALL WALL	⇒ Ñ/A
Y.5	Protection of equipment within an outdoor enclosure		N/A
Ŷ.5.1 🔊	General	intre-water water water	N/A
Y.5.2	Protection from moisture	a at the left	N/A
	Relevant tests of IEC 60529 or Y.5.3:	it whit white where a	N/A
Y.5.3	Water spray test	the state	N/A
Y.5.4	Protection from plants and vermin	white white white whi	N/A
Y.5.5	Protection from excessive dust	at at at a	N/A



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IEC 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict		
str	with the second se	fer alle alle and	and and		
Y.5.5.1	General	an m	N/A		
Y.5.5.2	IP5X equipment	ALIER MUTER MALIE	N/A		
Y.5.5.3	IP6X equipment	Str. A.	N/A		
Y.6	Mechanical strength of enclosures	NUTER WITE WALL W	N/A		
Y.6.1 🧹	General	i de de	N/A		
Y.6.2	Impact test:	ster unit white whi	N/A		



. M. M. M. A.	IEC 62368-1	55
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Clause

Requirement - Test

Result – Remark

1 N

Verdict

	ATTACHMENT TO TEST R	REPORT	
(Audie	IEC 62368-1 EUROPEAN GROUP DIFFERENCES AND N o/video, information and communication technology e		ents)
Difference	es according to EN IEC 62368-1:2020+A1	11:2020	
Attachme	nt Form No: EU_GD_IEC62368_1E nt Originator: UL(Demko) tachment: 2021-02-04	And white white white white	watt
Copyright	t © 2021 IEC System for Conformity Testing and C Geneva, Switzerland. All rights reserved.	ertification of Electrical Equipmo	ent
the main	CENELEC COMMON MODIFICATIONS (EN)	LIFER MITER WALE WALE W	Р
at whitek	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 an	bers in that column, except for 1:2018.	P
At .	those in IEC 62368-1:2018 are prefixed "Z".		Set.
	 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 destant 	LICE WALTER WALTER WALTER WAL	P.
1	Modification to Clause 3.		N/A
3.3.19	Sound exposure Replace 3.3.19 of IEC 62368-1 with the following d	lefinitions:	N/A
3.3.19.1	momentary exposure level, MELmetric for estimating 1 s sound exposure level fromthe HD 483-1 S2 test signal applied to bothchannels, 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 additionalinformation.	Not such equipment	N/A
3.3.19.3	sound exposure, E	NUTER INTERNATIONAL V	N/A
	A-weighted sound pressure (<i>p</i>) squared and integrated over a stated period of time, <i>T</i> Note 1 to entry: The SI unit is Pa ² s. $E = \int_{0}^{T} p(t)^{2} dt$	Tet white white white wh	



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	IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
de	with the set of the set	t street when where	which what
3.3.19.4	sound exposure level, SEL logarithmic measure of sound exposure relative to a reference value, <i>Eo</i> , typically the 1 kHz threshold of hearing in humans. Note 1 to entry: <i>SEL</i> is measured as A-weighted levels in dB. $SEL = 10 \lg \left(\frac{E}{E_0}\right) \operatorname{dB}$	antick anick antick antick	N/A
NUTEX UN	Note 2 to entry: See B.4 of EN 50332-3:2017 for additional information.	when we we we	LIEK MUTER
3.3.19.5	digital signal level relative to full scale, dBFS 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 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	And and and and and a	N/A
2	may reach +3,01 dBFS. Modification to Clause 10		N/A
- 10.6			- N/A
10.0	Safeguards against acoustic energy sources Replace 10.6 of IEC 62368-1 with the following:		IN/A
10.6.1.1	Introduction	Not such equipment	N/A
antifet an	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: – is designed to allow the user to listen to audio or	SUNTER WATER SUNTER	SUNCE SUNCE
	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.).	and an and and and and an	united suntret
	EXAMPLES Portable CD players, MP3 audio players, mobile phones with MP3 type features, PDAs or similar equipment.	+ white white white	white white
	Personal music players shall comply with the requirements of either 10.6.2 or 10.6.3.	uset suret muset a	NUTER WALTER



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in mer	IEC 62368-1	LIEF INLIE WALL WAL	me me
Clause	Requirement – Test	Result – Remark	Verdict
SUL.	NOTE 1 Protection against acoustic energy sources from	MILLE WALL WALL	Mr. M.
STR.	telecom applications is referenced to ITU-T P.360.	at let set	white white
m. in	NOTE 2 It is the intention of the Committee to allow the alternative methods for now, but to only use the dose	which when which	m m .
Set 5	measurement method as given in 10.6.5 in future. Therefore,	A A At	tet ster a
in m	manufacturers are encouraged to implement 10.6.5 as soon as possible.	with white white wh	- m m
set se	Listening devices sold separately shall comply	a at at a	et the art
	with the requirements of 10.6.6.	anti white white	m. m
- Let	These requirements are valid for music or video	s to the	At the
MAL	mode only. The requirements do not apply to:	miles white white	mer mer
At	– professional equipment;	No a de de	let let
mr. m	NOTE 3Professional equipment is equipment sold through	MITER MAILE MALL W	Up Mun M
de de	special sales channels. All products sold through normal electronics stores are considered not to be professional		at the s
the wat	equipment.	TEX NUEL MUTE WAY	in all in all
at st	– hearing aid equipment and other devices for	IN IN I	+
WALL	assistive listening;	at a lifet intifer white	while white
	 – the following type of analogue personal music players: 	me m m	A At
	Iong distance radio receiver (for example, a	Tet Set Ster	INLIE WALL
	multiband radio receiver or world band radio	When when when	St. A.
	 receiver, an AM radio receiver), and cassette player/recorder; 	the set	JIEL NITER N
1. 20		in a surre su	
Set Se	NOTE 4 This exemption has been allowed because this technology is falling out of use and it is expected that within a		et set al
2m	few years it will no longer exist. This exemption will not be extended to other technologies.	it while white white	In In
t set	the stree with which we are	A A A	Set Set
ant.	 – a player while connected to an external amplifier that does not allow the user to walk around while 	INTE WHIT WALL	mer mer
15	in use.	Str. A. A.	at at
		NUTER INTERNATIVE	win wer a
the start	For equipment that is clearly designed or intended primarily for use by children, the limits of the	an an a t	at at 1
	relevant toy standards may apply.	LIEK NUTER UNLIE	The share we
	The relevant requirements are given in	20 20 2	* # 1
MALIT	EN 71-1:2011, 4.20 and the related tests methods	at what when while	while white
	and measurement distances apply.	July and the	
10.6.1.2	Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz	whet which while	N/A
	The amount of non-ionizing radiation is regulated	she she st	at at
	by European Council Recommendation	LIFE SLIFE NUTER A	NET UNE W
	1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic	the star so so	s. At
	fields (0 Hz to 300 GHz).	at the the	IT IN THE WAY
	For intentional radiators, ICNIRP guidelines should	mur mur m.	1. A.
	be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and	t at at at	NITE NITE
	Electromagnetic Fields (up to 300 GHz). For hand-	white white white	In In
	held and body mounted devices, attention is	A A A	Jet Jet
and a	drawn to EN 50360 and EN 50566.	AT AT AT	white white



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IEC 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict		
m	and the state of the state of the state	ant white white	N/A		
10.6.2	Classification of devices without the capacity to	Classification of devices without the capacity to estimate sound dose			
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 $L_{Aeq,T}$, measurements are based on the A-weighted equivalent sound pressure level over a 30 s period.	whitet whitet whitet w	NUTE WALTER		
	For music where the average sound pressure (long term $LAeq, \tau$) measured over the duration of the song is lower than the average produced by	Tet whitet whitet white	wn tret wn		
	the programme simulation noise, measurements may be done over the duration of the complete song. In this case, <i>T</i> becomes the duration of the song.	antifet white white	MUTEK WALT		
	NOTE Classical music, acoustic music and broadcast typically has an average sound pressure (long term LAeq, 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.	SUNTER SUNTER SUNTER SUNTER SUNTER	ans for and		
10.6.2.2	RS1 limits (to be superseded, see 10.6.3.2) RS1 is a class 1 acoustic energy source that does	wiret multit whitet wh	N/A		
	 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 	and	SULTER SUN SULTER SUNTER SULTER SUNTER SUNTER SUNT SUNTER SUNT		
	 interface) when playing the fixed programme simulation noise" described in EN 50332-1. The RS1 limits will be updated for all devices as per 10.6.3.2. 	white white white	unit vunit		

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Clause	Requirement – Test	Result – Remark	Verdict		
10.6.2.3	RS2 limits (to be superseded, see 10.6.3.3)	and the ret	N/A		
	 RS2 is a class 2 acoustic energy source that does not exceed the following: for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or when the combination of player and listening device is known by other means such as setting or automatic 130 detection, the <i>L</i>Aeq,<i>τ</i> acoustic output shall be ≤ 100 dB(A) when playing the fixed "programme simulation noise" as described in EN 50332-1. for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 150 mV (analogue interface) or -10 dBFS (digital interface) when playing the fixed "programme eimulation for example in EN 50322.1 	and	at an area an		
10.6.2.4	simulation noise" as described in EN 50332-1.	A MALTE WALL WALL	N/A		
10.0.2.4	RS3 imits RS3 is a class 3 acoustic energy source that exceeds RS2 limits.				
10.6.3	Classification of devices (new)	At 1 At .	<u></u> N/A		
10.6.3.1	General Previous limits (10.6.2) created abundant false negative and false positive PMP sound level warnings. New limits, compliant with The Commission Decision of 23 June 2009, are given below.	Not such equipment	N/A		
10.6.3.2	RS1 limits (new)	W M	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. 	and the and th	and		
10.6.3.3	RS2 limits (new)	et stift with which	N/A		
White N	RS2 is a class 2 acoustic energy source that does not exceed the following: – for equipment provided as a package (player	where where where we	LIEK MILIEK		

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IEC 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict		
and and an	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 \leq 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 \leq 15 mV (analogue interface) or -30 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN 50332-1.	and			
10.6.4	Requirements for maximum sound exposure	in which which which	N/A		
10.6.4.1	Measurement methods Not such equipment All volume controls shall be turned to maximum during tests. Not such equipment Measurements shall be made in accordance with EN 50332-1 or EN 50332-2 as applicable. Not such equipment				
10.6.4.2	Protection of persons	At a number of	N/A		
	Except as given below, protection requirements for parts accessible to ordinary persons , instructed persons and skilled persons are given in 4.3.	and white white	NUTE WALT		
	 NOTE 1 Volume control is not considered a safeguard. 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. 	whitek whitek whitek white	ex survey		
	The elements of the instructional safeguard shall be as follows:	wouter wouter wouter	INTER MALTE		
	- element 1a: the symbol (19), IEC 60417- 6044 (2011-01) - element 2: "High sound pressure" or equivalent wording - element 3: "Hearing damage risk" or equivalent	ALTER MALTER MALTER MALT	A WASTER W		
	wording – element 4: "Do not listen at high volume levels for long periods." or equivalent wording	et whitet whitet whitet	White white		
	An equipment safeguard shall prevent exposure	at at the	VIE MIL		

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IEC 62368-1					
Clause	Requirement – Test Result – Remark				
ANALIER	 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 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. 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 time, independent of how often and how long the personal music player has been switched off. 		ANTER		
WALLER W	A skilled person shall not be unintentionally exposed to RS3.	WITH MATTER SMITHER W	N/A		
10.6.5	Requirements for dose-based systems General requirements Not such equipment				
10.6.5.1	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.	Antifet whitet whitet			
with with	The personal music player shall be supplied with easy to understand explanation to the user of the 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.	white white white	AN ANITER		
10.6.5.2	Dose-based warning and requirements	Intifet white white	N/A		
	When a dose of 100 % <i>CSD</i> is reached, and at least at every 100 % further increase of <i>CSD</i> , the device shall warn the user and require an	it set set	LIEK MUTER		



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	IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
whitek white	acknowledgement. In case the user does not acknowledge, the output level shall automatically decrease to compliance with class RS1. The warning shall at least clearly indicate that listening above 100 % <i>CSD</i> leads to the risk of hearing damage or loss.	ANTICE MULTER MULTER	ALLER AND ALLER AND
0.6.5.3	Exposure-based requirements	at let let le	N/A
	 With only dose-based requirements, cause and effect could be far separated in time, defying the purpose of educating users about safe listening practice. In addition to dose-based requirements, a PMP shall therefore also put a limit to the short-term sound level a user can listen at. The exposure-based limiter (EL) shall automatically reduce the sound level not to exceed 100 dB(A) or 150 mV integrated over the past 180 s, based on methodology defined in EN 50332-3. The EL settling time (time from starting level reduction to reaching target output) shall be 10 s or faster. Test of EL functionality is conducted according to EN 50332-3, using the limits from this clause. For equipment provided as a package (player with its listening device), the level integrated over 180 s shall be 100 dB or lower. For equipment provided with a standardized connector, the unweighted 		White white
	level integrated over 180 s shall be no more than 150 mV for an analogue interface and no more than -10 dBFS for a digital interface. NOTE In case the source is known not to be music (or test signal), the EL may be disabled.	whitet whitet whitet	white white
10.6.6	Requirements for listening devices (headphone	s, earphones, etc.)	N/A
	Corded listening devices with analogue input With 94 dB <i>L</i> Aeq acoustic pressure output of the listening device, and with the volume and sound settings in the listening device (for example, built- in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the input voltage of the listening device when playing the fixed "programme simulation noise" as described in EN 50332-1 shall be \geq 75 mV.	Not such equipment	N/A
10.6.6.2	and 27 mV or 100 dB and 150 mV. Corded listening devices with digital input With any playing device playing the fixed "programme simulation noise" described in EN 50332-1, and with the volume and sound settings in the listening device (for example, built-in volume	A WALTER WALTER WALTER	N/A



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	IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
she.	We we will see the set	et all' all and	Mr. Mr.
suntret su	level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the $LAeq, \tau$ acoustic output of the listening device shall be \leq 100 dB with an input signal of - 10 dBFS.	antifet white antifet	antifet unifet y
10.6.6.3	Cordless listening devices		N/A
WALLER WALLER STER STER WALLER	In cordless mode, – with any playing and transmitting device playing the fixed programme simulation noise described in EN 50332-1; and – respecting the cordless transmission standards, where an air interface standard exists that specifies the equivalent acoustic level; and – with volume and sound settings in the receiving device (for example, built-in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output for the above mentioned programme simulation noise, the $LAeq, T$ acoustic output of the listening device shall be \leq 100 dB with an input signal of -10 dBFS.	and and an and an and an	white whitek
10.6.6.4	Measurement method	INTE WALL WALK	N/A
NUTEX NOV	Measurements shall be made in accordance with EN 50332-2 as applicable.	at a stat	strek whet we
3	Modification to the whole document		Р



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- an	20		A 1	IEC	C 62368-1	in the second	the all all	- an
Clause	Re	equirement -	- Test	white	m. m.	Result – Rema	ark 🖉 🖉	Verdict
WITEK N		Delete all the "country" notes in the reference document according to the following list:						
	.et	0.2.1	Note 1 and 2	1	Note 4 and 5	5 3.3.8.1	Note 2	1. At
		3.3.8.3	Note 1	4.1.15	Note	4.7.3	Note 1 and 2	100 - 24
	ie. +	5.2.2.2	Note	5.4.2.3.2.2 Table 12	Note c:	5.4.2.3.2.4	Note 1 and 3	et whi
	NIT.IT	5.4.2.3.2.4 Table 13	Note 2	5.4.2.5	Note 2	5.4.5.1	Note	WALTE
	N.S.C.	5.4.10.2.1	Note	5.4.10.2.2	Note	5.4.10.2.3	Note	UNLIFE.
	et.	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3 and 4	LIEK MI
		5.6.8	Note 2	5.7.6	Note	5.7.7.1	Note 1 and Note 2	ex min
	MULT	8.5.4.2.3	Note	10.2.1 Table 39	Note 3 and 4 and 5	10.5.3	Note 2	MALTER
	53	10.6.1	Note 3	F.3.3.6	Note 3	Y.4.1	Note	with .
	*	Y.4.5	Note					at s
. Main	, nt	~ ~			15 1	Y	16. 49. 4	in m
	M	odification	to Clause 1					P
MALITEK	NC		ing note: of certain substa ent is restricted w			white whit	white white	P
	-	odification	to 4.Z1					Р



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20.	IEC 62368-1	in the set of the set	1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -
Clause	Requirement – Test	Result – Remark	Verdict
	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 shall be regarded as providing protection in accordance with the rating of the wall socket outlet.	a shart set i	
6	Modification to 5.4.2.3.2.4	1	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



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	IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
Mar	W W Strate	at white white white	mer mir
	 Add the following after the first paragraph: For RS 1 compliance is checked by measurement under the following conditions: In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or pre-sets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made. NOTE Z1 Soldered joints and paint lockings are examples of adequate locking. 	Mainet minet mainet	N/A
	The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm ² , at any point 10 cm from the outer surface of the apparatus.	Tet whitet whitet wh	Tet an Itet an
	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.	MALTER WAITER WAITER	anures whites
	For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level.	ie while while whi	et warret was
+ Jet	NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996.	the state of the	
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.	UNLIEK WALLEK WALLEK	N/A
10	Modification to Bibliography		Р



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20	197 A.	IEC 62368-1	the white white white a	b = -2b,
Clause	Requirement – Test	white white will be	Result – Remark	Verdict
- she	Add the following not	es for the standards indicated	· water party water water	P
	IEC 60130-9	NOTE Harmonized as EN 601		211-
	IEC 60269-2	NOTE Harmonized as HD 602		14
	IEC 60309-1 IEC 60364	NOTE Harmonized as EN 603 NOTE some parts harmonized		JAN 5
	IEC 60601-2-4	NOTE Harmonized as EN 606		
	IEC 60664-5	NOTE Harmonized as EN 606		Alt .
	IEC 61032: 1997	NOTE Harmonized as EN 610		2 m
	IEC 61508-1	NOTE Harmonized as EN 615		1 1
	IEC 61558-2-1	NOTE Harmonized as EN 615		S. S. S.
	IEC 61558-2-4	NOTE Harmonized as EN 615		20
	IEC 61558-2-6	NOTE Harmonized as EN 615	58-2-6.	1
	V IEC 61643-1	NOTE Harmonized as EN 616	343-1.	Inter .
	IEC 61643-21	NOTE Harmonized as EN 616	343-21.	
	IEC 61643-311	NOTE Harmonized as EN 616		de la
	IEC 61643-321	NOTE Harmonized as EN 616		11 - 11
	IEC 61643-331	NOTE Harmonized as EN 616	43-331.	at .
11	ADDITION OF ANNE	XES		Р
ZB	ANNEX ZB, SPECIA	L NATIONAL CONDITIONS	(EN)	P
4.1.15	Denmark, Finland, N	lorway and Sweden	Not directly connected to the	N/A
	 connection to other endif safety relies on condif safety relies on condif surge suppressors and network terminals and marking stating that the connected to an earth. The marking text in the beas follows: In Denmark: "Apparate stikkontakt med jord stikkproppens jord." In Finland: "Laite on varustettuun pistorasi in Norway: "Apparate stikkontakt" 		whitet whitet whitet white	N TEX WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER
4.7.3	United Kingdom	et wifet while white	inthe more man	N/A
	To the end of the sub added:	clause the following is	Let maret waitet waitet	N'TER ON
t whitek	complying with BS 13	formed using a socket-outlet 63, and the plug part shall be ant clauses of BS 1363. Also his annex		STA SUNLT



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IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
5.2.2.2	Denmark	No high touch current	N/A	
5.2.2.2	After the 2nd paragraph add the following:	measured.		
	at at let the star share	MULT MULT WITH WITH	20	
	A warning (marking safeguard) for high touch current is required if the touch current exceeds the	A A At St	- Jill .	
	limits of 3,5 mA a.c. or 10 mA d.c.	the main wat wat	20 - 20	
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	and white white white	m. m	
Ger .	added:	A A At	50 50	
	For separation of the telecommunication network	white white white we	- Mr.	
	from earth the following is applicable:	a at at a	the set	
	If this insulation is solid, including insulation	INTER NATE WALL WALL	- m	
	forming part of a component, it shall at least consist of either	1 A A A	1th	
	two layers of thin sheet material, each of which	THE WALTER WALTE WALL	me m	
	shall pass the electric strength test below, or	i s it it	10 5	
	one layer having a distance through insulation	a mitter white white	we we	
	of at least 0,4 mm, which shall pass the electric	Nº St at	at at	
	strength test below.	white miles white whi	WAL	
	If this insulation forms part of a semiconductor		t st	
	component (e.g. an optocoupler), there is no distance through insulation requirement for the	at a number white	shir 3	
	insulation consisting of an insulating compound		at .	
	completely filling the casing, so that clearances	Fr. J. Aller Mark	in in	
	and creepage distances do not exist, if the component passes the electric strength test in	when the second	1 1	
	accordance with the compliance clause below and	- Tet Tet aller as	LIE MALL	
	in addition	white white white white	e st	
	• passes the tests and inspection criteria of 5.4.8	tet tet ster ster mi	Er White	
	with an electric strength test of 1,5 kV multiplied	me m m m		
	by 1,6 (the electric strength test of 5.4.9 shall be performed using 1,5 kV),	at the tree with	White of	
	at at all the outer with w	it was war with	20 20	
	and	at the the the	mil en anti	
	• is subject to routine testing for electric strength	which which all a		
	during manufacturing, using a test voltage of 1,5 kV.	at let get	JE NITE	
	at the rest outer only and	mer mer mer m	-200	
	It is permitted to bridge this insulation with a	at at at at	* Jule	
	capacitor complying with EN 60384-14:2005, subclass Y2.	mill whit whit whit	10 1	
		at at at set	State of	
	A capacitor classified Y3 according to EN 60384- 14:2005, may bridge this insulation under	it was when whe	2 20	
	the following conditions:	h at at at	.5 ⁴ .5 ⁴	
	the insulation requirements are satisfied by	white white white w	the sale	
	having a capacitor classified Y3 as defined by	at at at a	et 5th	
an an	EN 60384-14, which in addition to the Y3	with with and and	SUL	



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20	IEC 62368-1	r. mr. mr. m.	20. 0
Clause	Requirement – Test	Result – Remark	Verdict
Sale -		En all' and and all all	me m
	testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;	THE STORE MITTER OF	NITEX MALTEX
	 the additional testing shall be performed on all the test specimens as described in EN 60384- 14; 	STER WITTER WATER WAT	Tek Whitek 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.	fet whitet whitet white	while whi
5.5.2.1	Norway	t set set see	N/A
	After the 3rd paragraph the following is added:	which which which	shi shi
unit un	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	and and and and and and	et ret
5.5.6	Finland, Norway and Sweden To the end of the subclause the following is added:	No such resistors.	N/A
	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.	whitet whitet whitet	marter wintres
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. <i>Justification:</i>	WALTER WALTER WALTER	annin annin
	In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	WALTER WALTER WALTER W	NUTE MALIT
5.6.4.2.1	Ireland and United Kingdom 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 mains plug.	aret whitet whitet white	N/A
5.6.4.2.1	France	At 5t 5t	N/A
MUTER WA	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.	MAL MALTER WALTER	at ret
5.6.5.1	To the second paragraph the following is added:	The work which which	N/A
	The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is: $1,25 \text{ mm}^2$ to $1,5 \text{ mm}^2$ in cross-sectional area.	antifet antifet antifet	white white



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Clause	Requirement – Test	Result – Remark	Verdict
Clause	Requirement – rest	Result - Remark	veruici
5.6.8	Norwout	with the state	N/A
NULLER N	Norway To the end of the subclause the following is added:	Intret watter watter	
	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.	eret ret ret a	et millet an
5.7.6	Denmark	and an an	N/A
	To the end of the subclause the following is added:	whitek whitek whitek	white white
	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.	MUTER WAITER WALTER W	MITEK WALTER
5.7.6.2	Denmark	THE JER STREEM	N/A
	To the end of the subclause the following is added: The warning (marking safeguard) for high touch	and an and an and	* muset whi
	current is required if the touch current or the protective current exceed the limits of 3,5 mA .	at at at	
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 a cable distribution system.	at a survey and a	at the set
	It is however accepted to provide the insulation external to the equipment by an adapter or an interconnection cable with galvanic isolator, which may be provided by a retailer, for example.	WALTER WALTER WALTER	NUTER AND ADD
	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:	at white white white	at white white
	"Apparatus connected to the protective earthing of the building installation through the mains connection or through other apparatus with a connection to protective earthing – and to a television distribution system using	Martin Martinet Martinet	NITEX WITEX
	 coaxial cable, may in some circumstances create a fire hazard. Connection to a television distribution system therefore has to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, 	AND AND AND AND AND	white white
	see EN 60728-11)"	with with with	WALL WALL
	NOTE In Norway, due to regulation for CATV-installations, and	We we we	1 A A A A A A A A A A A A A A A A A A A

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IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
an .	all with an a start of	the street out of and and	an.	
WALTER W	in Sweden, a galvanic isolator shall provide electrical insulation below 5 MHz. The insulation shall withstand a dielectric strength of 1,5 kV r.m.s., 50 Hz or 60 Hz, for 1 min.	NUTER ANTIFER ANTIFER ANTIFE	* Whitek	
	Translation to Norwegian (the Swedish text will also be accepted in Norway):	stret sources sources wourses	Whitek W	
	 "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 	at whitek whitek whitek w	E WALTER	
nuret wou the would would be would be	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 medfőra risk főr brand. Főr att undvika detta skall vid anslutning av apparaten till kabel-TV nät galvanisk isolator finnas mellan apparaten och kabel-TV nätet."	Antiet antiet antiet antiet	White white	
8.5.4.2.3	United Kingdom	No external circuits.	N/A	
	Add the following after the 2 nd dash bullet in 3 rd paragraph: An emergency stop system complying with the requirements of IEC 60204-1 and ISO 13850 is required where there is a risk of personal injury.	and son son the wontret	WALTER W	
B.3.1 and	Ireland and United Kingdom	Not directly connected to the	N/A	
B.4	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	SULLER SUL	
G.4.2	DenmarkTo the end of the subclause the following is added:Supply cords of single phase appliances having a	Not directly connected to the mains	N/A	
	rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011. CLASS I EQUIPMENT provided with socket- outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring	A MALIER MALIER MALIER MAL	IT WALTER	



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201	IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdic		
SUNTER SU	 rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a. 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. 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. Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c. 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 		A ALTER ANALTER		
G.4.2	Justification: Heavy Current Regulations, Section 6c	Not directly connected to the	N/A		
ret white whitek whitek whitek white	United Kingdom To the end of the subclause the following is added: 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, 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.	mains	n fr yn ret yn yn Maritek Maritek Maritek		
G.7.1	 United Kingdom To the first paragraph the following is added: 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. NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug. 	A source and the and t	N/A		

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IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
G.7.1	Ireland To the first paragraph the following is added: Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in accordance with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use Regulations: 1997. S.I. 525 provides for the recognition of a standard of another Member State	and	N/A	
G.7.2	 which is equivalent to the relevant Irish Standard Ireland and United Kingdom To the first paragraph the following is added: A power supply cord with a conductor of 1,25 mm² is allowed for equipment which is rated over 10 A 	white white white white	N/A	
zc	and up to and including 13 A. ANNEX ZC, NATIONAL DEVIATIONS (EN)	List while while with w	N/A	
	GermanyThe following requirement applies:For the operation of any cathode ray tube intended for the display of visual images operating at an acceleration voltage exceeding 40 kV, authorization is required, or application of type approval (Bauartzulassung) and marking.Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM.NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D- 38116 Braunschweig, Te to 10 C020	No CRT within the equipment.		
ZD	Tel.: Int+49-531-592-6320, Internet: http://www.ptb.de		Р	



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IEC 62368-1				
Clause	Requirement – Test	Result – Remark V	erdict	

Type of flexible cord	Code de	esignations
	IEC	CENELE
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-I
Rubber insulated cords		
Braided cord	60245 IEC 51	H03RT-F
Ordinary tough rubber sheathed flexible cord	60245 IEC 53	H05RR-F
Ordinary polychloroprene sheathed flexible cord	60245 IEC 57	H05RN-F
Heavy polychloroprene sheathed flexible cord	60245 IEC 66	H07RN-F
Cords having high flexibility		
Rubber insulated and sheathed cord	60245 IEC 86	H03RR-H
Rubber insulated, crosslinked PVC sheathed cord	60245 IEC 87	ноз¦RV4-н
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



Reference No.:	WTF23D10219598Y	

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Clause	

Requirement - Test

Result – Remark

Verdict

WHITE WALT	ATTACHMENT TO TEST REPORT IEC 62368-1 (AUSTRALIA / NEW ZEALAND) NATIONAL DIFFERENCES	NUTE.
ser ann -	(Audio/video, information and communication technology equipment)	nr.
Differences ac	cording to: AS/NZS 62368.1:2022	ى ۲
TRF template	used: IECEE OD-2020-F3, Ed. 1.1	-50. A
Attachment F	orm No AU_NZ_ND_IEC62368_1E	WALT
Attachment O	riginator JAS-ANZ	
Master Attach	ment	
	020 IEC System for Conformity Testing and Certification of Electrical Equipment eva, Switzerland. All rights reserved.	nt 🖑
we now	National Differences	me
Appendix ZZ	Variations to IEC 62368-1:2018 (ED. 3.0) for Australia and New Zealand	P
ZZ1 Scope	This Appendix lists the normative variations to IEC 62368-1:2018 (ED. 3.0)	Р
ZZ2 Variations	The following modifications are required for Australian/New Zealand conditions:	Р
	After the first paragraph, add the following: The Australian or Australian/New Zealand Standards listed below are modified adoptions of, or not equivalent to, the IEC normative references and are required for the application of this Standard. All references in the source text to those IEC normative references shall be replaced by references to the corresponding Australian or Australian/New Zealand Standards. Australian or Australian/New Zealand Standards. Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably -AS/NZS 3112, Approval and test specification— Plugs and socket-outlets -AS/NZS 3123, Approval and test specification— Plugs, socket-outlets and couplers for general industrial application -AS/NZS 3191, Electric flexible cords -AS/NZS 60884.1.Plugs and socket-outlets for household and similar purposes, Part 1: General requirements -IEC 60086-2 Primary batteries — Part 2: Physical and electrical specifications -AS/NZS 60320.1, Appliance couplers for household and similar general purposes, Part 1: General requirements (IEC 60065:2015 (ED.8.0) MOD) -AS/NZS 60320.1, Appliance couplers for household and similar general purposes, Part 1: General requirements (IEC 60320-1, Ed.2.1 (2007) MOD)	Santa Santa Santa Santa Santa Santa Santa

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24	IEC 6236	68-1	In In		
Clause	Requirement – Test Result – Remark Verdic				
SUPER SUPER	 -AS/NZS 60320.2.2, Appliance couplers for household and similar general purposes Part 2.2: Interconnection couplers for house and similar equipment (IEC 60320-2-2, Ed.2.0 (1998) MOD) -AS/NZS 60695.2.11, Fire hazard testing, F 2.11: Glowing/hot wire based test methods wire flammability test method for end-production of the structure of	ehold Part Glow- ucts Part od Part s for ements d ormers, ducts, 16: n mode			
	RequirementsDelete the text of the second paragraph an replace with the following:Equipment with a plug portion, suitable for insertion into a 10 A 3-pin flat-pin socket-ou conforming to AS/NZS 3112, shall conform requirements in AS/NZS 3112 for equipment integral pins for insertion into socket-outlets Conformity is checked by inspection and, if necessary, by the tests in AS/NZS 3112. NOTE: Equipment with plug portions for us countries other than Australia and New Zea will need to conform to other countries' requirements Note Additional AS/NZS 3112 Appendix J,TRF is appended of this TRF.	utlet to the nt with s. e in aland	N/A		
4.7.3	Compliance Criteria Delete this clause	at the state with	N/A		

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S

Clause			IEC 62368-1				
	Requirement –	Test	when we we	Result –	Remark	<u>_</u> V	erdict
4.8.1	NOTE: Refer Containing B 2020 and Co Button/Coin I	After second list, <i>add</i> the following: NOTE: Refer to the Consumer Goods (Products Containing Button/Coin Batteries) Safety Standard 2020 and Consumer Goods (Products Containing Button/Coin Batteries) Information Standard 2020 for more information on button cell batteries in					
5.4.10.2.1					N/A		
Table 28	Delete Table	28 and repla	ace with the following:				N/A
Parts		New Zealand	Impulse test Australia	Y IN IL	Steady stat New Zealand	e test Austral ia	white ret
Parts indic Clause 5.4		2.5 kV	7.0 kV for hand-held telephones and headsets, 2.5 kV equipment.	for other	1.5 kV	3 kV	NUX .
Parts indic Clause 5.4	ated in 4.10.1 b) and c) ⁵	1.5 kV °		1.0 kV	1.5 kV	+	
-	ppressors shall n	ot be remov					
Clause 5.4	1.10.2.2 when tes	e removed, j ited as comp	ed. provided that such devic ponents outside the equi e suppressor to operate	oment.	. 1th 5		white white
Clause 5.4 ° During th	A.10.2.2 when tes is test, it is allowed <i>Delete</i> "NOT After NOTE 2 NOTE 2: For lightning surg network lines NOTE 3: For Clause 5.4.1 adequacy of	e removed, p ted as comp ed for a surg E" and <i>repla</i> 1, <i>add</i> the fo Australia, th ges on typica 5. Australia, th 0.1 a) was c the insulatio	provided that such devic ponents outside the equip e suppressor to operate ce with "NOTE 1". llowing: le 7 kV impulse simulate al rural and semi-rural le value of 2.5 kV for hosen to ensure the n concerned and does	oment. and for a	. 1th 5		N/A
Clause 5.4 ° During th in a GDT.	A.10.2.2 when tes is test, it is allowed Delete "NOT After NOTE 2 NOTE 2: For lightning surg network lines NOTE 3: For Clause 5.4.1 adequacy of not necessar Delete "NOT After NOTE 2 NOTE 2: For across the in recommende NOTE 3: The have been de	e removed, p ted as comp ed for a surg E" and repla 1, add the fo Australia, th ges on typica 3. Australia, th 0.1 a) was c the insulatio ily simulate l E" and repla 1, add the fo Australia, w sulation und ed that d.c. te a 3 kV and 1. etermined co duced voltag	ce with "NOTE 1". liowing: a value of 2.5 kV for hosen to ensure the n concerned and does likely overvoltages. ce with "NOTE 1". liowing: here there are capacitor	s	. 1th 5		N/A



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Verdict
1

6.6	After Clause 6.6, <i>add</i> the new Clauses 6.201 as follows: 6.201 External power supplies, docking stations and other similar devices (see special national conditions)			
8.6	Stability of equipment	N/A		
Table 36	Footnote ^a , after first sentence, <i>add</i> the following: Equipment having displays with moving images shall include "television sets and display devices".	N/A		
8.6.1	After Clause 8.6.1 <i>add</i> the following new clauses: 8.6.201 Restraining Device fixing point (see special national conditions) 8.6.202 Restraining device (see special national conditions)	N/A		
Annex F Paragraph F.3.3.4	Rated Voltage Delete "NOTE" and replace with NOTE1" After NOTE 1, add the following Equipment that is intended for connection to the supply mains in Australia and New Zealand shall be marked with: (a)A rated voltage of: •230 V for single phase equipment •400 V for poly phase equipment Or (b) A rated voltage range that includes: •230 V for single phase equipment	N/A		
	NOTE 2: equipment that is not rated as above is not suitable for direct connection to the supply mains in Australia or new Zealand.	- net		
Annex F.3.3.5	After the list, <i>add</i> the following Equipment that is intended for connection to supply mains in Australia or New Zealand shall be marked with a rated frequency of 50 Hz or a rated frequency range or nominal value which includes 50Hz	N/A		
Annex F.3.8	After "The DC output of an external power supply", insert "or docking stations and other similar external devices"	N/A		
Annex G Paragraph G.4.2	Mains connectors1 After "IEC 60320", insert "or AS/NZS 60320 series".2 After "IEC 60906-1", insert"or AS/NZS 3123"3 After first paragraph add the following: 10 A or 15 A 250 V flat pin plugs for the connection of equipment to mains-powered socket-outlets for household or similar general use shall comply with AS/NZS 3112 or AS/NZS 60884.1.	N/A		



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20	IE AL	C 62368-1	m. an a
Clause	Requirement – Test Result – Remark		
Paragraph G.5.3.1	Transformers, General1Third dashed point replace 'IEC 6'the relevant parts of IEC 61558-2' wi61558-1 and the relevant parts of AS61558.2'2Fourth dashed point replace 'IEC 0'with 'AS/NZS 61558.2.16'.	th 'AS/NZS S/NZS	N/A
Annex G.7.1	Mains supply cords, General Fourth dashed paragraph, <i>replace</i> 'II with 'AS/NZS 60320.1'	EC 60320-1'	N/A
Table G.7	 Sizes of conductors 1 First column, second row, delete "6 with "7.5" 2 Second column, second row, delete replace with '0.75^b 3 Delete NOTE 1. 4 Replace 'NOTE 2' with 'NOTE:'. 5 Delete 'Footnote b' and replace with following: ^b This nominal cross-sectional area is only all appliances if the length of the power supply conbetween the point where the cord, or cord gua appliance, and the entry to the plug does not of mm² three-core supply flexible cords are not provide AS/NZS 3191). 6 Footnote c replace 'IEC 60320-1' with 'NOTE constant's application of the place'	ete '0,75' and ith the owed for Class II ord, measured ard, enters the exceed 2 m (0.5 rermitted; see with 'AS/NZS	N/A
Annex M M 2.1	Add "IEC 60086-2" to the list	while while whe whe w	N/A
Annex M Paragraph M.3.2	Test methodDelete"NOTE" and replace with "NOAfter NOTE 1 add the following:NOTE 2: In cases where the voltageprovided by power from an unassocisource, consideration should be giveeffects of possible single fault conditiunassociated equipment. If the powerunknown then it should be assumedmaximum limit of ES1 may be appliesource input under assumed single fin the source when assessing the chin the equipment under test.	source is ated power on to the ions in the er source is that the d to the ault conditions	N/A
NUTE WALT	Special national conditions (if any)	at white white white	N/A

N

IEC 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict		
	 External power supplies, docking state other similar devices For external power supplies, docking state other similar devices, during and after abnormal operating conditions during single fault conditions the output (a) at all ES1 outlets or connectors sincrease by more than 10 % of the rated voltage under normal oper conditions, measured after 3 s of introducing a singlefault condition after 3 s of introducing abnormation conditions; and (b) of a USB outlet or connector shale increase by more than 3 V or 10 output rated voltage under normation operating conditions, whichever measured after 3 seconds of introducing abnormation operating conditions, whichever measured after 3 seconds of introducing abnormation operating conditions, whichever measured after 3 seconds of introducing abnormation operating conditions and after 3 introducing abnormation operating conditions and after 3 introducing abnormation operating. For equipment with multiple rated voltage output, the requirements apply with the explosion in attached equitaccessories when charging secondary lib batteries. The 3 s measurement delay is IEC document 108/742/INF, <i>TC 108, Statinterpretation Panel Question 15 — Output voltage</i>, in relation to similar requirement 62368-3:2017. Conformity shall be checked by measured taking into account the abnormal operation operation of Annex B.3 and the simulate fault conditions of Annex B.4. 	tions and ations and and voltage— hall not the output rating of on and il operating I not 0 % of the hal is higher, oducing a is of conditions les at the equipment in turn ossibility of ipment or thium is based on andards put ts in IEC			
8.6.201	Restraining device fixing pointFreestanding-capable MS2 and MS3 tellsets and display devices shall be providefixing point to facilitate the anchoring of theequipment from topplingThe fixing point shall conform to Clausethe fixing point uses a wall, ceiling or othestructure mount. Alternatively, the fixingbe capable of withstanding a pull equal themass of the equipment in all directions wedamageInstructions for installation or instructionsshall be provided to specify correct use offixing point	ed with a the 8.7 where her point shall to the vithout s for use	N/A		



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	IEC 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict			
8.6.202	Restraining device MS2 and MS3 television sets and display shall be provided with a restraining device associated hardware to attach to the tele or display device. The restraining device shall be capable or withstanding a pull equal to the mass of tequipment in all directions. Instructions for installation or instructions shall be provided to specify correct use of fixing point	e and vision set of he for use	N/A			



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IEC 62368-1						
Clause	Requirement – Test	white the sec	Result – Remark	Verdict		

5.2	TABLE: Classificat	on of electrical er	nergy source	es		5 M	P
Supply Voltage	Location (e.g.	Test conditions		Param	eters		ES
vollage	designation)		U (V)	I (mA)	Type ¹⁾	Additional Info ²⁾	Class
9VDC	All circuit	Normal	<60Vdc		SS	DC	ES1
	my my m	Abnormal	State of	Ser Julier	John - W	n -m	m
	NITEK WALTER WALTE	Single fault – SC/OC	24 - 24 24 - 24	* 50*	State of	et - ret	MALTER
Supplemen	tary information:						
1)Type: Ste	ady state (SS), Capad	titance (CP), Single	pulse (SP),	Repetitive pu	ulses (RP),	etc.	2)

1)Type: Steady state (SS), Capacitance (CP), Single pulse (SP), Repetitive pulses (RP), etc. 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

Remark: Powered by ES1 circuit.

5.4.1.8 TABLE: Working	ng voltage measu	rement	* NITEK IN	N/A s
Location	RMS voltage (V)	Peak voltage (V)	Frequency (Hz)	Comments
	1 - S	until - ser		and the second s
The work we we	5 <u>-</u>	15 - 15	55 - 55	ather white - white white
Supplementary information:				

5.4.1.10.2 TABLE: Vicat softening temperature of thermoplastics						
Method		: ISO 306 / B50	t t			
Object/ Part No./Material	Manufacturer/trademark	Thickness (mm)	T softer	ning (°C)		
The set set	Ter mile on when	m. m	1 1	to d		
Supplementary information:						
L A At	the strant when we	Su. 1.		e de l		

5.4.1.10.3 TABLE: Ball	pressure test of thermopla	stics			×	N/A
Allowed impression diame	eter (mm)	≤	2 mm	NUTER ANUTE AN	P.S. 1	
Object/Part No./Material	Manufacturer/trademark	Thickness (m	nm) te	Test emperature (°C)		ression eter (mm)
E at at set	- itet white white a	U. Mu	242		L 2	5 I
Supplementary information	n:					
a at at	ster street while wh	mer ?	211	In a	Ab	de-



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- m	m s st	IEC 62368-1	LIEF MALIE MALIE	me m	241-
Clause	Requirement – Test	r. m. m.	Result – Remark	at a	Verdict

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)
ATE WALL WALL WALL	ar - 4	⁻		10 10	* - 5		10	-w
Supplementary information:								
1) Only for frequency above 30			de la	et de		WITHER .	INCHE WITH	when

2) Complete Electric Strength voltage (E.S. (V) when 5.4.2.4 applied)

5.4.4.2	.4.2 TABLE: Minimum distance through insulation					
Distance the (DTI) at/of	rough insulation	Peak voltage (V)	Insulation*	Required DTI (mm)	Mea	sured DT (mm)
.	- JEt NUET	INTE WALL WAY	n n		Ļ	÷ .
Supplement	tary information:					
***		Nº ST SY SH	- 1º			al a

*See also sub-clause 5.4.4.9

5.4.4.9	TABLE:	TABLE: Solid insulation at frequencies >30 kHz							N/A
Insulation	material			E _P	Frequency (kHz)	K _R	Thickness d (mm)	Insulation	V _{PW} (Vpk)
TT MIL	N MA	5	4	1 200		- 1	9 <u>-</u>	JTER WITE	- min m
Suppleme	ntary inform	ation:							

5.4.9	TABLE: Electric strength tests	at at a	et the state	N/A
Test voltage	e applied between:	Voltage shape (Surge, Impulse, AC, DC, etc.)	Test voltage (V)	Breakdown Yes / No
Functional:	t stift nife with white	m. m. m.	at the d	at state of
5 m	when we we at	The surer multing	TT'T' WALL WAL	m. m
Basic/suppl	ementary:	201 21	A A A	Set Set
	so at at at	t aller and an	- white white	211-211
Reinforced:	with white white white		t at at	JER STREE
-20. 20	a at at at alt will	- rife white white	- m m v	
Routine Tes	sts:	1 1 A	let set a	JEK NUTER IN
-	At let let wifet	TTE WALT WALT	and the state	
Supplemen	tary information:			
	and the state of the state	the way and a set	U. M. M.	

2

3



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20.		IEC 62368-1	in the second	In a.
Clause	Requirement – Test	when we we	Result – Remark	Verdict

5.5.2.2	TABLE:	Stored discharge o	on capacitors			N/A
Location		Supply voltage (V)	Operating and fault condition ¹⁾	Switch position	Measured voltage (Vpk)	ES Class
20		- A - A	Normal	WILL BULL	an -an	
ret white	WALTE. V	min we was	Single fault: SC/ OC	Tex miret	LIEK	WALTER WALTE

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	ABLE: Resistance of protective conductors and terminations						
Location		Test current (A)	Duration (min)	Voltage drop (V)	Re	esistance (Ω)		
	let set ster .	The water we	nu- m			- 1		

Supplementary information:

On exeting and					
Operating and Supply fault conditions Voltage (V)		F		ES class	
	Voltage (V _{rms} or V _{pk})	Current (A _{rms} or A _{pk})	Freq. (Hz)		
Normal	+ . 	Set Star In	in mar	<i>Ψ</i> .	20-
Abnormal: overload		- 5 ⁶⁷ 5 ⁶	NUTET WALTER	MALTER	WALLAN W
Single fault: SC/ OC	white - whe	when - when	Jet - Jet	NUTER N	LITEK NAL
	fault conditions Normal Abnormal: overload Single fault:	fault conditionsVoltage (V)NormalAbnormal: overloadSingle fault:	fault conditionsVoltage (V)Voltage (Vms or Vpk)NormalAbnormal: overloadSingle fault:	fault conditionsVoltage (V)Voltage (V)Current (Arms or Apk)NormalAbnormal: overloadSingle fault:	fault conditionsVoltage (V)Voltage (Vms or Vpk)Current (Arms or Apk)Freq. (Hz)NormalAbnormal: overloadSingle fault:

SC= short circuit; OC= open circuit

5.7.5	TABLE: Earthed acces	BLE: Earthed accessible conductive part				
Supply vol	tage (V)	- Jet Jet alle	WALTE WALT.	me m		
Phase(s)		[] Single Phase; [] Three Phase: [] Delta [] Wye				
Power Dis	tribution System::	[]TN []TT []IT	WITE WAIT W	ne me n		
Location		Fault Condition No in IEC 60990 clause 6.2.2	Touch current (mA)	Commer	ıt	
	at at at	with white white white	nu - nu	1		
Metal encl	osure	neutral open	0.024	ES1	MULT	
Suppleme	ntary Information:					
10	the with the she	24 24	s st	At AT	5	



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

5.8	TABLE: Backfeed safeguard in battery backed up supplies								
Location		Supply voltage (V)	Operating and fault condition	Time (s)	Open-circuit voltage (V)	Touch current (A)	ES Class		
The work	white	mer m		di di	et . 5 et .	LIER - NITE	white wh		
Supplemen	tary infor	mation:	· · · · · · · · · · · · · · · · · · ·						

6.2.2	6.2.2 TABLE: Power source circuit classifications							
Location		Operating and fault condition	Voltage (V)	Current (A)	Max. Power ¹⁾ (W)	Time (S)	PS class	
All circuit	i	et white white	ountife ount	Jun Jun	- The	184 - 584	PS2 (declare)	

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. Powered by PS2 circuit (9VDC, 2.5A, 22.5W)

6.2.3.1	TABLE: Determ	ination of Arcing PIS	the white white	mr. m. n	N/A
Location		Open circuit voltage after 3 s (Vpk)	Measured r.m.s current (A)	Calculated value	Arcing PIS? Yes / No
Tet Let		16 11 10 10 V	÷		
Supplemen	tary information:				

6.2.3.2	TABLE: Dete	rmination of resistive PIS		P
Location		Operating and fault condition	Dissipate power (W)	Arcing PIS? Yes / No
All primary circuits/cor		white white white	LICK NITES MILES MI	Yes (declaration)
Supplemer	ntary 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: Higl	TABLE: High pressure lamp						
Lamp ma	nufacturer	Lamp type	Explosion method	Longest axis of glass particle (mm)	Particle found beyond 1 m Yes / No			
4h~ <	he and	A	15th ALTER MUTER	mer main m	1. 20. 20			



Verdict

N.

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Clause

Requirement - Test

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Supplementary information:

9.6	TABL	E: Temper	rature mea	sure	ment	s for wirel	ess power	transmitte	ers	N Por
Supply vol	age (V)				9VD	C M	m. n	20		
Max. trans	mit powe	er of transr	nitter (W)		10W	.At	50 .5	et nue	White	
			eiver and contact			eiver and contact		ver and at of 2 mm		eiver and at e of 5 mm
Foreign o	bjects	Object (°C)	Ambient (°C)		oject °C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)
Steel o	lisc	t ret	Intrat III	6	5.0	25	Shutdow n	Shutdow n	Shutdow n	Shutdown
Aluminiur	n ring		5 ¹⁰¹⁻	6	6.6	25	Shutdow n	Shutdow n	Shutdow n	Shutdown
Aluminiu	m foil	our ou	s - s	4	6.3	25	Shutdow n	Shutdow n	Shutdow n	Shutdown

5.4.1.4, 9.3, B.1.5, B.2.6	TABLE: Ter	nperature m	easurem	ents				P M
Supply volta	age (V)		:	9Vdc	m	24. 74		_
Ambient ter	nperature dur	ing test T _{amb}	See below		500	Inthe N	-	
Maximum n	neasured tem	perature <i>T</i> of		7	(°C)		Allowed T _{max} (°C)	
Wireless co	il "	at st	J.F.F.	56.1	14 M	-m- 1	1 - 2m	130
core	white wh	54.8			5 et - 50	130		
E-capacitor				75.3	mr.	ale - m		105
PCB near coil				88.5	<u></u>	<u></u>	1. <u>1</u> .	130
LED is it it it is				61.9	n~ ~	u_{-} $\overline{u_{-}}$		Ref.
Ambient	in men	m. m		40.0		5° 5°	nute or	Stranger .
Enclosure c	utsider near l	ED S	- MALLA	<u></u> 29.4	-24	-24-		77
Lamp post	in the	te. M	st	34.9	* <	t ja .	NUL - NUL	
Button	de la	et set	MALTE	27.8	-ni-	20 2		77
Enclosure c	utsider bottor	n 🖑	A	28.3			Star Barrier	JAN 77 JAN
Ambient	1 1	t set a	NUTE IN	25.0	m-	m -m		1 - A
Temperatur winding:	e T of	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	R ₂ (Ω)	T (°C)	Allowed T _{max} (°C)	Insulation class
- 15 .	55 54	and - and	$\overline{z_{h}}$			1 A	,÷-	de de

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	and the state of t	IEC 62368-1	is not all the	24. 15.
Clause	Requirement – Test	Mrs. m. m.	Result – Remark	Verdict

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

Note 1: The apparatus was submitted and evaluated for maximum manufacturer's recommended ambient (Tma) of 40°C.

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

B.2.5	Т	ABLE: Ing	out test	ð	de l	STER .	NUTER IN	the music way way	Р
U (V)	Hz	I (A)	l rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/statu	S
9VDC		1.28	2	19 12	·	-201-		Normal working.	det .

Supplementary information:

¹⁾ Supply by external DC source,

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

B.3, B.4	TABLE: Abr	normal operating	g and fau	It condit	ion tests	et set sitet in	Р
Ambient te	emperature T _{an}	nb (°C)			: See I	pelow	
Power sou	Irce for EUT: N	lanufacturer, mo	del/type, o	outputrati	ng: 🖉	alifek muther white	
Compone No.	ent Conditio	n Supply voltage (V)	Test time	Fuse no.	Fuse current (A)	Observatio	n
U11 pin 4 SC	3 (S-C)	9Vdc	10min			Unit shutdown, no dar hazard.	naged, no
U2 pin 1- SC	-3 (S-C)	9Vdc	10min	WNEXER	white whi	Unit shutdown, no dar hazard.	naged, no
Speake	r Max nor clipped		10min	MITTER N	NUTER	Unit normal working, no damaged, no hazard.	
Speake	r (S-C)	9Vdc	10min	Set-	Jet	Unit shutdown, no dar hazard.	maged, no

Supplementary information:

¹⁾ Supply by external DC source,

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

1) S-C: Short-circuited; O-L: Overloaded; BL=Blocked.

2) The test result shown all safeguards remained effective and didn't lead to a single fault condition during abnormal operating condition; In addition all safeguards complied with applicable requirements in this standard after restoration of normal operating conditions.

3) The test result showed no Class 1 or 2 energy source become Class 3 level during and after single fault condition.

M.3	TABLE: Pro	ptection circuits for batteries provided w	vithin the equipment	o⊢ N/A o∽			
Is it possi	ble to install the	battery in a reverse polarity position?:	NUTE WALT - WALL WAL				
Equipment Specification		Charg	Charging				
		Voltage (V)	Current (A)				



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				and the second	-
Clause	Requirement – Test	with white white we	Result – Remark	de la	Verdict

		JUER MUTE	mr - ring	r m	200	-29°	Æ	at at
				Battery	/ specific	ation		
Non-rechargeable batterie				Rechargeable batteries				
Manufacturer/type		Discharging Unintentional		Charging			Discharging	Reverse
		current (A)	charging current (A)	Voltage	(V) Cu	rrent (A)	current (A)	charging current (A)
- <u>-</u>	a at		ot 500 s	July July	2. m	~ - 2m	201 1	
Note: The tes	sts of M.3.2 a	are applicable o	only when abov	e appropr	iate data	is not av	ailable.	
Specified bat	ttery tempera	ature (°C)			·····	an.	The sec	d.
Component No.	Fault condition	Charge/ discharge mo	Dde Test	Temp. (°C)	Curren (A)	t Voltag (V)	le Obs	ervation
UP - UP	mi Tim	Charge	7h			A	14 . Jet	
		Discharge	e 7h	S	ST 3	N N		24 22

Supplementary information:

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. Button cell used, not Rechargeable batteries.

M.4.2	TABLE: battery	Charging sat	feguards for	equipment c	ontaining a	secondary	lithium	N/A
Maximum	specified of	charging voltag	je (V)			34	J.T.E.CV	_
Maximum	specified of	charging currer	nt (A)		un	24 24		
Highest sp	ecified ch	arging tempera	ature (°C)		at - 300	NUEL IN	In March	
Lowest sp	ecified cha	arging tempera	ture (°C)		: 2	6 C.		
Battery manufacturer/type		Operating		Measuremen	t		Observatio	on
		and fault condition	Charging voltage (V)	Charging current (A)	Temp. (°C)			
Lowest sp	ecified cha	rging temperat	ure:	an when a	ne m	in 1	4	* *
the watthe water		Normal	JEK SMIT	t whitek wh	Jet white	Where we	LIE WAL	whit
		Abnormal-		<i></i>		3ª	and the	MALIA
		Single fault – (SC/OC)	Tex white	ant - ant	Mar V		Jet	NUTEK .
Highest sp	ecified cha	arging tempera	ture:	NETE WALTE	mer m	- Mur	241 1	4
The walle wall		Normal	Jun av	ex	NUTEK - WALT	A	NUTER WIN	JE. whi
		Abnormal-	20 20.		st - st	-	Set St	A MUTE
		Single fault – (SC/OC)	LIEK - WALTE	vnite vni	- mr	M - M	t set	Set



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20.	the state of the state	IEC 62368-1	in the state of	In as
Clause	Requirement – Test	mer m. m.	Result – Remark	Verdict

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 inte	: Circuits intended for interconnection with building wiring (LPS)					
Output Circuit	Condition	U _{oc} (V)	Time (s)	I _{sc} (A)		S (VA)	
	Condition			Meas.	Limit	Meas.	Limit
- Set	Normal	NUT - MUT	-2 <u>11</u>		8.0	<u></u>	d 100
-m m	Single fault - SC/OC	1 - A	<u></u>	116 110	8	n - m	100

Supplementary Information:

SC = short circuit, OC = open circuit

T.2, T.3, T.4, T.5	TABLE: S	teady force te	est , c				N/.	A		
Location / Part	Material Thickness (mm)		Probe	e Force Test (N) (s)		Observation				
m. m.		15D		4	mar an		r. m.	The.	24.	
JIP- NI	10 <u>1</u>	N - 1	-m	2			1	J.J.F.K	NUTER	
Supplementa	ary informati	on:	·							

*Test was performed on product with each source listed in table 4.1.2.

T.6, T.9	TABLE: Impa	ict test	74 - 24.	N/A
Location/Pa	art Material	Thickness (mm)	Height (mm)	Observation
mr -m	20 2		* 50*	THE MUT MALL WALL WALL WALL WALL WALL
	to my information	de Ar de		

Supplementary information:

*Test was performed on product with each source listed in table 4.1.2.

Т.7 Т.7	ABLE: Drop	test		N/A
Location/Part	Material	Thickness (mm)	Height (mm)	Observation
		Tex They was	and the state	the own we we the
Supplementar	y information:	:		

2	T.8 1	ABLE: Stress	s relief test	UNLIE WALT	white	mer mer	14 24	P
5 *	Location/Part	Material	Thickness (mm)	Oven Temperatur e (°C)	Duration (h)		Observation	



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

Enclosure	viniter	See table 4.1.2	70°C	7h	Enclosure remained intact, no cracking/opening developed in the enclosure joint. No hazards.
Supplementary	, informatio	n:			

*Test was performed on product with each source listed in table 4.1.2.

X	TABLE: Alternat	ive method for determini	ing minimum clearances	s distances	N/A
	nce distanced etween:	Peak of working voltage (V)	Required cl (mm)	Measur (mm	
- 1	let the th	aller and the part	me m	1. I.F.	1th
Supplemen	tary information:	· · · · · · · · ·			
st st	E Set Set	white white when y	m m n	s at	1th

4.1.2 Object / part No.	TABLE: Critical components information P				
	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹
Enclosure	FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV	AG15E1	ABS, Rated HB, 60°C, min. thickness mm. 1.6	UL 94	UL E162823
Internal wire connected Wireless PCB	Shenzhen yaxunke Electronics Co., Ltd	1007	22AWG, 80°C	IEC 62368-1	Test with appliance
Internal wire connected LED module	Shenzhen yaxunke Electronics Co., Ltd	1007	22AWG, 80°C	IEC 62368-1	Test with appliance
PCB	GOLDENMAX INTERNATIONAL TECHNOLOGY (ZHUHAI) LTD	GDM-R1	V-0, 130°C	UL 94 UL 796	UL E330731
Wireless PCB	GOLDENMAX INTERNATIONAL TECHNOLOGY (ZHUHAI) LTD	GDM-R1	V-0, 130°C	UL 94 UL 796	UL E330731
LED module PCB	GOLDENMAX INTERNATIONAL TECHNOLOGY (ZHUHAI) LTD	GDM-R1	V-0, 130°C	UL 94 UL 796	UL E330731
Speaker	Interchangeable	Interchangeabl e	3Ohm, 3W	IEC 62368-1	Test with appliance

Supplementary information:

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



D-LLD

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Photo Documentation

Reference No.: WTF23D10219598Y Model: MO2124



Picture 1 Overall view



Picture 2 Overall view



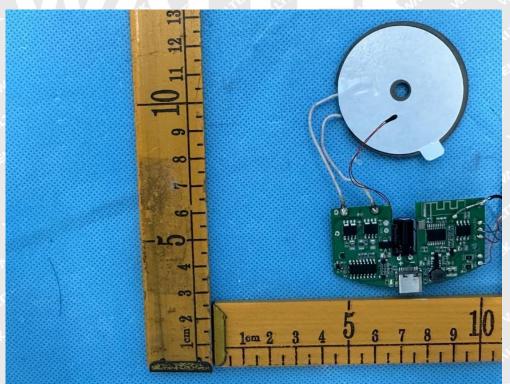
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Photo Documentation

Reference No.: WTF23D10219598Y Model: MO2124



Picture 3 Internal view



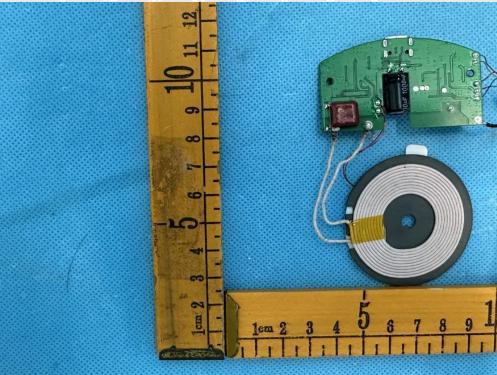
Picture 4 PCB trace view



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Photo Documentation

Reference No.: WTF23D10219598Y Model: MO2124



Picture 5 PCB trace view

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