



TEST REPORT

: WTF22D07148718Y Report No.....

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

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

Hong Kong

Manufacturer: 115164

Address.....

Product : Wireless headphone with pouch

Model(s): : MO6350

Total pages.....: 74 pages and 4 pages of photo.

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

Audio/video, information and communication technology equipment -

Part 1:Safety requirements

Date of Receipt sample : 2022-07-29

Date of Test.....: 2022-07-29 to 2022-08-03

Date of Issue.....: 2022-08-10

Test Result.....::

Remarks:

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

Prepared By:

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Approved by:

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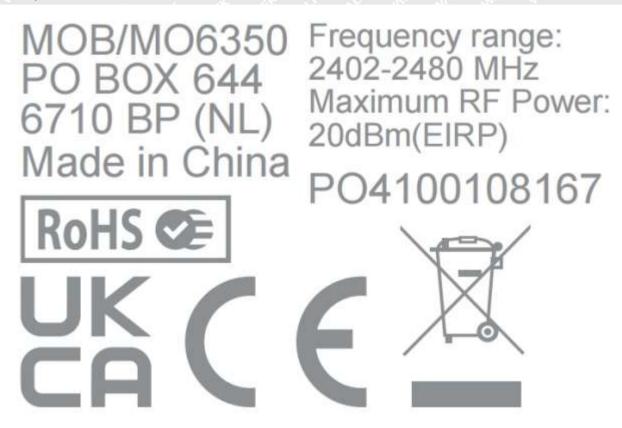
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The street with the the	at the title title with mile			
Test Item description Wireless he	eadphone with pouch			
Frade Mark(s)MOB				
Model/Type reference	whi my my my like like			
Ratings Input: 5Vd.	C. THE STIFF WITHER WALLE WALL WALL			
Remark: Whether parts of tests for the product have been subcon Yes No If Yes, list the related test items and lab information: Test items: Lab information:	itracted to other labs:			
Summary of testing:	t tel tel stell stell skith spirit s			
Tests performed (name of test and test clause):	Testing location:			
- EN IEC 62368-1:2020+A11:2020 The submitted samples were found to comply with the requirements of above specification.	No. 77, Houjie Section, Guantai Road, Houjie Town, Dongguan City, Guangdong, China			
Summary of compliance with National Differences (List of countries addressed: National Differences and G checked.				
 ⊠ The product fulfils the requirements of EN IEC 6236 ∑ The product fulfils the requirements of BS EN IEC 6. 				
Use of uncertainty of measurement for decisions or	n conformity (decision rule) :			
No decision rule is specified by the IEC standard, wapplicable limit according to the specification in that sta without applying the measurement uncertainty ("simple "accuracy method").	ndard. The decisions on conformity are made			
☐ Other: (to be specified, for example when required by the standard or client, or if national accreditation requirements apply)				
Information on uncertainty of measurement:				
The uncertainties of measurement are calculated by the laboratory based on application of criteria given by OD-5014 for test equipment and application of test methods, decision sheets and operational procedures of IECEE.				
IEC Guide 115 provides guidance on the application of measurement uncertainty principles and applying the decision rule when reporting test results within IECEE scheme, noting that the reporting of the measurement uncertainty for measurements is not necessary unless required by the test standard or customer.				
Calculations leading to the reported values are on file with the testing.	vith the NCB and testing laboratory that conducted			
MALITE WALL WALL WALL WALL TEX	EX TIEX WILL MULTER MULTER MULTER MULTER			



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.
- 2. The CE and UKCA marking and WEEE symbol should be at least 5.0mm and 7.0mm respectively in height.
- 3. According to the EU directives which have been aligned with EU NLF (new legislative framework), both of manufacturer and importer's name and address shall be affixed on the product or, where that is not possible, on its packaging or in a document accompanying the product before the product is placed on the EU market.

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Test item particulars:	THE MITE WILL WALL WALL WALL WILL WILL		
Product group:			
Classification of use by:			
THE SITES MITTER WHITE WHITE WALL	☐ Instructed person		
my my my the	☐ Skilled person		
Supply connection:	☐ AC mains ☐ DC mains		
and the same of the	not mains connected:		
Complete Space Street Street Marie Marie	☐ ES1 ☐ ES2 ☐ ES3 ☐ ES3		
Supply tolerance:	+10%/-10% +20%/-15%		
LEX TEX STEX STEEL WITH SMITH	□ +_%/%		
white has any and the	None None		
Supply connection – type:	☐ pluggable equipment type A -		
Will must my my my	non-detachable supply cord		
A SE SEE SEE STEEL MAN	appliance coupler		
LIFE WITE WALL WAS AND THE	☐ direct plug-in		
A SET THE LIFE NATE	☐ pluggable equipment type B -		
L CHIEF WILL MILL MILL MINE MINE	non-detachable supply cord		
M The set set set	appliance coupler		
LIET WIFE WITE MILL MILL WILL	permanent connection		
Compilered comment action of protective device	mating connector other: not Mains connected		
Considered current rating of protective device	☐ UK: 13 A; Others: 16 A Location: ☐ building ☐ equipment		
	N/A □ Squaring □ equipment		
Equipment mobility:			
Mer Mr 20 2 The TEN	direct plug-in stationary for building-in		
- TEX ITEX STIER WITH WITH WITH	 wall/ceiling-mounted ☐ SRME/rack-mounted other:		
Overvoltage category (OVC):			
The Ite will will will be	☐ OVC IV ☐ other: not Mains connected		
Class of equipment:	☐ Class II ☐ Class III		
It let let like aller mail we	□ Not classified □ □ □		
Special installation location:	N/A □ restricted access area □ outdoor location □		
Pollution degree (PD):	□ PD 1 □ PD 3		
Manufacturer's specified T _{ma} :	25°C Outdoor: minimum °C		
IP protection class:	□ IP		
The state of the s			
Power systems:	☐ TN ☐ TT ☐ ITV L-L ☐ not Mains connected		
Altitude during operation (m):	2000 m or lessm		
Altitude of test laboratory (m):			
Mass of equipment (kg):	Approximately: 0.28kg		



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Possible test case verdicts:	EX TITLE WITH WALL WALL WALL WALL WALL WALL WALL WAL
- 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:	WILL AUG AUG AUG AUG AUG
Date of receipt of test item	.: 2022-07-29
Date (s) of performance of tests	-: 2022-07-29 to 2022-08-03
General remarks:	THE THE THE
"(see Enclosure #)" refers to additional informati "(see appended table)" refers to a table appended	
Throughout this report a \square comma / \boxtimes point	t is used as the decimal separator.
General Product Information:	an an an at the first
Product Description:	TEX STEE OUTE MITTE WILL WAS AND THE
 The EUT covered by this report is a Wireless supplied by external power supply or by interr 	headphone with pouch used as audio apparatus. It is nal lithium ion battery.
2. The manufacturer specified maximum ambier including 2000 m above sea level.	nt temperature is 25°C. The specified altitude is up to and
3. The EUT including below parts:	
- The user manual specified the relevant information	ation for installation instruction.
Model Differences	
N/A with the last the	
Additional application considerations N/A	t liet wifet writes writes writes writes writes



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Clause	Possible Hazard	TER STEEL	The ship of	Vr. 141.
5	Electrically-caused injury	10 2		
Class and Energy Source	Body Part		Safeguards	
(e.g. ES3: Primary circuit)	(e.g. Ordinary)	В	S	R
ES1: All circuit	Ordinary person	N/A	N/A	N/A
6	Electrically-caused fire	ically-caused fire		
Class and Energy Source	Material part		Safeguards	
(e.g. PS2: 100 Watt circuit)	(e.g. Printed board)	В	1 st S	2 nd S
PS1: All circuit	External enclosure and Internal combustible material	N/A	N/A	N/A
PS1:Cell	External enclosure and Internal combustible material	N/A	N/A	N/A
7	Injury caused by hazardous s	substances		
Class and Energy Source	Body Part	Safeguards		
(e.g. Ozone)	(e.g., Skilled)	В	S	R
N/A	N/A	N/A	N/A	N/A
8	Mechanically-caused injury			
Class and Energy Source	Body Part		Safeguards	
(e.g. MS3: Plastic fan blades)	(e.g. Ordinary)	В	S	R
MS1: Mass of the unit <7kg	Ordinary	N/A	N/A	N/A
MS1: Smooth Edges and corners	Ordinary	N/A	N/A	N/A
9	Thermal burn			
Class and Energy Source	Body Part		Safeguards	
(e.g. TS1: Keyboard caps)	(e.g., Ordinary)	В	S	R
TS1: All accessible parts	Ordinary	N/A	N/A	N/A
10	Radiation			
Class and Energy Source	Body Part	Safeguards		
(e.g. RS1: PMP sound output)	(e.g., Ordinary)	В	S	R
RS1: LED for indicating	Ordinary	N/A	N/A	N/A

"B" – Basic Safeguard; "S" – Supplementary Safeguard; "R" – Reinforced Safeguard



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ENERGY SOURCE DIAGRAM

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

 \boxtimes ES \boxtimes PS \boxtimes MS \boxtimes TS \boxtimes RS

See details in OVERVIEW OF ENERGY SOURCES AND SAFEGUARDS

AND THE LIFE E



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J. m.	The All the All the	EN IEC 62368-1	TER WALTER WALTER.	alerge alle	- Inc.
Clause	Requirement + Test	The state of	Result - Remark	LIEK WITE	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	P WINLIFE WALLES
4.1.3	Equipment design and construction	Evaluation of safeguards regarding preventing access to ES3 parts, limiting the source supplying outputs to fulfill ES1, and protection in regard to risk of ignition, mechanical-caused injury and thermal burn considered.	Port American Commercial Commerci
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 constructions and components.	
4.1.8	Liquids and liquid filled components (LFC)	No such parts.	N/A
4.1.15	Markings and instructions	(See Annex F)	J P
4.4.3	Safeguard robustness	See below	Р
4.4.3.1	General	tex litex outer outer out	Pu ¹
4.4.3.2	Steady force tests	(See Annex T.2 and T.4).	P
4.4.3.3	Drop tests	(See Annex T.7)	P
4.4.3.4	Impact tests	(See Annex T.6)	Р
4.4.3.5	Internal accessible safeguard tests	The external enclosure cannot be opened without damaging the product.	
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
LOUTER	Glass impact test (1J)	the the the tile	N/A
73,	Push/pull test (10 N)	Mer Mr. Mr. All	N/A
4.4.3.8	Thermoplastic material tests	(See Annex T.8)	P



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Clause	Requirement + Test	Result - Remark	Verdict
	reduite in the state of the sta	Trooping The Transfer	Voluio
4.4.3.9	Air comprising a safeguard	It let telt itelt	N/A
4.4.3.10	Accessibility, glass, safeguard effectiveness	After tests of 4.4.3.2, 4.4.3.3, 4.4.3.4, and 4.4.3.8, no safeguard damaged. Class 3 energy sources do not become accessible to an ordinary person or to an instructed person and all other safeguards do remain effective.	P ETER WAST
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	ie write with mir on	Р
4.5.1	General	No explosion occurs during normal/abnormal operation and single fault conditions	P.F.
4.5.2	No explosion during normal/abnormal operating condition	(See Clause B.2, B.3)	W P
ir, mr	No harm by explosion during single fault conditions	(See Clause B.4)	P
4.6	Fixing of conductors	See below	P
20	Fix conductors not to defeat a safeguard	min min me m	Р
MITER	Compliance is checked by test	(See Clause T.2)	Р
4.7	Equipment for direct insertion into mains socket	-outlets	N/A
4.7.2	Mains plug part complies with relevant standard:	LITER MITER MALIE MALIE	N/A
4.7.3	Torque (Nm)	and the state of	N/A
4.8	Equipment containing coin/button cell batteries	ITE WHITE WHITE WHE WE	N/A
4.8.1	General	- LET TEX STEX SUT	N/A
4.8.2	Instructional safeguard:	Mur. Mur. Mur. Mu.	N/A
4.8.3	Battery compartment door/cover construction	THE LITER OUTER MOLTER	N/A
at .	Open torque test	ne on a	N/A
4.8.4.2	Stress relief test	LIER MITER WHITE WHITE W	N/A
4.8.4.3	Battery replacement test	a state of	N/A
4.8.4.4	Drop test	Mustin Mery Author Author	N/A
4.8.4.5	Impact test	THE STATE STATE	N/A
4.8.4.6	Crush test	me me me	N/A
4.8.5	Compliance	TEX TEX TIES WITE	N/A



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	EN IEC	62368-1	
Clause	Requirement + Test	Result - Remark	Verdict
120	the state of the said	The way with the	14, 4
	30N force test with test probe	at the title	N/A
20 4	20N force test with test hook	Murry Aug Mus Mus in	N/A
4.9	Likelihood of fire or shock due to entry	of conductive object	N/A
4.10	Component requirements	me me me a	N/A
4.10.1	Disconnect Device	LIER ALTE MITER MITE WALLE	N/A
4.10.2	Switches and relays	The state of the s	N/A

5	ELECTRICALLY-CAUSED INJURY		P
5.2	Classification and limits of electrical energy sour	ces	Р
5.2.2	ES1, ES2 and ES3 limits	TEX SITER OUTER MITE MAY	P.r.
5.2.2.2	Steady-state voltage and current limits:	(See appended table 5.2)	P
5.2.2.3	Capacitance limits	No capacitance	N/A
5.2.2.4	Single pulse limits	No single pulse introduced	N/A
5.2.2.5	Limits for repetitive pulses	No repetitive pulses introduced	N/A
5.2.2.6	Ringing signals	No such ringing signals within the EUT	N/A
5.2.2.7	Audio signals	See Annex E	P.II
5.3	Protection against electrical energy sources		Р
5.3.1 Sun	General Requirements for accessible parts to ordinary, instructed and skilled persons	See only 4.3 and 5.3 to 5.5 which applies to protection between the accessible parts and hazardous parts of other circuits.	NITER O
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	et let let let o	P
5.3.1 b)	Skilled persons not unintentional contact ES3 bare conductors		N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Only ES1 circuit can be accessed for this product	P
20, 2,	Accessibility to outdoor equipment bare parts	ner me m	N/A
5.3.2.2	Contact requirements	TEX TEX STEE SUITER	N/A
	Test with test probe from Annex V	a man	-
5.3.2.2 a)	Air gap – electric strength test potential (V)	THE WILL WILL WALLEY WAY	N/A
5.3.2.2 b)	Air gap – distance (mm)		N/A
5.3.2.3	Compliance	WILL MILL MILL MILL	N/A
5.3.2.4	Terminals for connecting stripped wire		N/A



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ALL MICH	we we we we	EN IEC 62368-1	FER WALLER AND THE	MULLE MIL	1/1/1/
Clause	Requirement + Test	Mr. A. EX	Result - Remark	LIEK RITE	Verdict

5.4	Insulation materials and requirements		P
5.4.1.2	Properties of insulating material	No insulation as a safeguard.	N/A
5.4.1.3	Material is non-hygroscopic	CEX TEX STEX STEE STEEL ST	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	Mr. Mr. M.	N/A
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	MALTER MALTE MALTE WALLE	N/A
5.4.1.5.3	Thermal cycling test	LIER SLIER WITE WALTER	N/A
5.4.1.6	Insulation in transformers with varying dimensions		N/A
5.4.1.7	Insulation in circuits generating starting pulses	er write muty must me	N/A
5.4.1.8	Determination of working voltage	et let let set	N/A
5.4.1.9	Insulating surfaces	Mur Mur Mur And	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	MITEX MULTER WILLER WILLIE	N/A
5.4.1.10.2	Vicat test	THE STEEL MITTER OF	N/A
5.4.1.10.3	Ball pressure test	7	N/A
5.4.2	Clearances	CLIE WILL WHITE WILL	N/A
5.4.2.1	General requirements	A A A A A	N/A
Alle A	Clearances in circuits connected to AC Mains, Alternative method	MILL MILL MAN WALL	N/A
5.4.2.2	Procedure 1 for determining clearance	Liter White White White	N/A
TEK NIE	Temporary overvoltage	at let let liet o	_
5.4.2.3	Procedure 2 for determining clearance	and the man and	N/A
5.4.2.3.2.2	a.c. mains transient voltage	- LIEX ALTER MITER AMIT	_
5.4.2.3.2.3	d.c. mains transient voltage:	The The Table	_
5.4.2.3.2.4	External circuit transient voltage	INLIER WALTER WALLE WALL	_
5.4.2.3.2.5	Transient voltage determined by measurement:	at alt get get	_
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	the wife the text	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	whi wi wi wi	N/A
5.4.2.6	Clearance measurement	MULL MILL MILL WILL	N/A
5.4.3	Creepage distances	at at at at	N/A



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Clause	Requirement + Test	Result - Remark	Verdict
7,0,	of the set the printer aprile	"Mr. Mr. M. M.	1/2 1/1
5.4.3.1	General	et let let	N/A
5.4.3.3	Material group	over me me a	_
5.4.3.4	Creepage distances measurement	TEX STER MITER SING	N/A
5.4.4	Solid insulation	70° 1 × 0	N/A
5.4.4.1	General requirements	White white whi	N/A
5.4.4.2	Minimum distance through insulation	at at 1th	N/A
5.4.4.3	Insulating compound forming solid insulation	MULL MULL MULL	N/A
5.4.4.4	Solid insulation in semiconductor devices	TER STER STER O	N/A
5.4.4.5	Insulating compound forming cemented joints	1 11 11 11	N/A
5.4.4.6	Thin sheet material	IF OLITER WITER WILL	N/A
5.4.4.6.1	General requirements	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
5.4.4.6.2	Separable thin sheet material	White Mail Whi	N/A
LITEK II	Number of layers (pcs)	at let the	N/A
5.4.4.6.3	Non-separable thin sheet material	me me and a	N/A
NITE WALT	Number of layers (pcs)	ALL STEEL AND	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	The life suit	N/A
5.4.4.6.5	Mandrel test	Me An An	N/A
5.4.4.7	Solid insulation in wound components	ALTER MITER WALTER	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz, E_P , K_R , d , V_{PW} (V)	LIET WIFE WIFET	N/A
LIEK WALFE	Alternative by electric strength test, tested voltage (V), K _R	let alter pales uni	N/A
5.4.5	Antenna terminal insulation		N/A
5.4.5.1	General	INLIE WALLE WALL	N/A
5.4.5.2	Voltage surge test	A AT ACT	N/A
5.4.5.3	Insulation resistance (M Ω):	Mer mer mer	N/A
NITE" NIN'	Electric strength test	TEX TEX STEEL OF	N/A
5.4.6	Insulation of internal wire as part of supplementary safeguard	et text stept with	N/A
5.4.7	Tests for semiconductor components and for cemented joints	Whit will the	N/A
5.4.8	Humidity conditioning	The The The	N/A



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	EN IEC 62368-1	The Mr. M.	
Clause	Requirement + Test	Result - Remark	Verdict
		Wer All M	7
	Relative humidity (%), temperature (°C), duration (h)	LIEF SLIEF WIFEE	INLITE -
5.4.9	Electric strength test	L m n	N/A
5.4.9.1	Test procedure for type test of solid insulation:	TER WITE WITE WITE	N/A
5.4.9.2	Test procedure for routine test	e set set se	N/A
5.4.10	Safeguards against transient voltages from external circuits	et let let	N/A
5.4.10.1	Parts and circuits separated from external circuits	Mr. Mr. Mr.	N/A
5.4.10.2	Test methods	ster ster outer	N/A
5.4.10.2.1	General	711. 11. 11.	N/A
5.4.10.2.2	Impulse test	et which while whi	N/A
5.4.10.2.3	Steady-state test	A ST ST	N/A
5.4.10.3	Verification for insulation breakdown for impulse test	MULT MIT MIT	N/A
5.4.11	Separation between external circuits and earth	Write Must my A	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	THE MILES WE	N/A
5.4.11.2	Requirements		N/A
- SLIEK	SPDs bridge separation between external circuit and earth	THE TEXT STEET	N/A
- (1) - (1)	Rated operating voltage U _{op} (V)	me me m	- L
untiles unt	Nominal voltage U _{peak} (V)	LIER NITER MITER IN	NITE -
et di	Max increase due to variation ΔU _{sp}		<i>a</i> –
The state of	Max increase due to ageing ΔU _{sa}	THE WILL WALLE WAS	7/11
5.4.11.3	Test method and compliance:	- et et el	N/A
5.4.12	Insulating liquid	Mr. Mr. Mr.	N/A
5.4.12.1	General requirements	THE STEE STEE	N/A
5.4.12.2	Electric strength of an insulating liquid	30 711 311	N/A
5.4.12.3	Compatibility of an insulating liquid	LIET WILL WALLE WA	N/A
5.4.12.4	Container for insulating liquid:		/ N/A
5.5	Components as safeguards	MULL MULL MULL	N/A
5.5.1	General	TEX JEX JEX	N/A
5.5.2	Capacitors and RC units	Mr. Mr. Mr.	N/A
5.5.2.1	General requirement	THE LIEF CLIEB	N/A



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EN IEC 62368-1				
Clause	Requirement + Test	Result - Remark	Verdict	
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	Will Miller Miller	N/A	
5.5.3	Transformers	at at at a	N/A	
5.5.4	Optocouplers	in mi m	N/A	
5.5.5	Relays	t TEX LIET OUTE	N/A	
5.5.6	Resistors	The The The	N/A	
5.5.7	SPDs	NUTER MITE MITE	N/A	
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable	LIEK SLIEK MLIEK	N/A	
5.5.9	Safeguards for socket-outlets in outdoor equipment	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A	
10	RCD rated residual operating current (mA)	er write with our		
5.6	Protective conductor	t let tet tel	N/A	
5.6.2	Requirement for protective conductors	Aller Alex Me	N/A	
5.6.2.1	General requirements	LIEN LIFER MITER	N/A	
5.6.2.2	Colour of insulation	1. 1. 2.	N/A	
5.6.3	Requirement for protective earthing conductors	THE WALLE WA	N/A	
ek lie	Protective earthing conductor size (mm²)	# A	<i>-</i> ا	
- Jest	Protective earthing conductor serving as a reinforced safeguard	Mary Mary Mary	N/A	
All .	Protective earthing conductor serving as a double safeguard	must me my	N/A	
5.6.4	Requirements for protective bonding conductors	MITE WALL WALL W	N/A	
5.6.4.1	Protective bonding conductors	et set set s	N/A	
	Protective bonding conductor size (mm²)	me me m	_	
5.6.4.2	Protective current rating (A)	- LIER OLIER MATE	N/A	
5.6.5	Terminals for protective conductors	211 21	N/A	
5.6.5.1	Terminal size for connecting protective earthing conductors (mm)	UNITE WHITE WHITE	N/A	
nir jur	Terminal size for connecting protective bonding conductors (mm)	THE WITTER WALLE WA	N/A	
5.6.5.2	Corrosion	A WILL NUTE MUT	N/A	
5.6.6	Resistance of the protective bonding system	A St St	N/A	
5.6.6.1	Requirements	Write Mrr. Mrr.	N/A	
5.6.6.2	Test Method	A A A	N/A	



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Clause	Requirement + Test	Result - Remark	Verdict	
5.6.6.3	Resistance (Ω) or voltage drop:	Mr. Mr. 20, 20	N/A	
5.6.7	Reliable connection of a protective earthing conductor	ante water with water	N/A	
5.6.8	Functional earthing	The man man	N/A	
et antie	Conductor size (mm²)	e tek lifek mitek m	N/A	
. d	Class II with functional earthing marking	My My My	N/A	
WILL !	Appliance inlet cl & cr (mm)	CALLER MITEL MALIER MALE	N/A	
5.7	Prospective touch voltage, touch current and pr	otective conductor current	N/A	
5.7.2	Measuring devices and networks	NUTLE MUTTE MUTE MUTE	N/A	
5.7.2.1	Measurement of touch current	at the the little	N/A	
5.7.2.2	Measurement of voltage	Mur. Mr. My A	N/A	
5.7.3	Equipment set-up, supply connections and earth connections	White White white wh	N/A	
5.7.4	Unearthed accessible parts	TEL TEL NITE ONTE	N/A	
5.7.5	Earthed accessible conductive parts	July July Sull In	N/A	
5.7.6	Requirements when touch current exceeds ES2 limits	Multi wali	N/A	
MULT	Protective conductor current (mA)	of other anticonnairs and	N/A	
t let	Instructional Safeguard:	and the state of	N/A	
5.7.7	Prospective touch voltage and touch current associated with external circuits	MULLIC MULL MULL MULL	N/A	
5.7.7.1	Touch current from coaxial cables	LITER WALLE WALLE WALLE	N/A	
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	LIEK WITER WHITER WHITER	N/A	
5.7.8	Summation of touch currents from external circuits	at the the	N/A	
TEX	a) Equipment connected to earthed external circuits, current (mA)	MILL MILL MILL MILL	N/A	
JUP J	b) Equipment connected to unearthed external circuits, current (mA)	MULT MULT MULT MILE	N/A	
5.8	Backfeed safeguard in battery backed up supplies		N/A	
IEK OLTE	Mains terminal ES	No battery used	N/A	
2,,	Air gap (mm)	Mr. Mr. Mr. Mr.	N/A	

6	ELECTRICALLY- CAUSED FIRE	P
6.2	Classification of PS and PIS	n b n



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Clause	Requirement + Test	Result - Remark	Verdict
4,	the state of the sould specify	The Mr. Mr. A.	
6.2.2	Power source circuit classifications:	(See appended table 6.2.2)	Р
6.2.3	Classification of potential ignition sources	in the the to	N/A
6.2.3.1	Arcing PIS	TEX STEEL STEEL SHIPE IN	N/A
6.2.3.2	Resistive PIS	"" " " " " " " " " " " " " " " " " " "	N/A
6.3	Safeguards against fire under normal operating a conditions	nd abnormal operating	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	(See appended table B.1.5 and B.3)	WATER IN
	Combustible materials outside fire enclosure:	and the same	N/A
6.4	Safeguards against fire under single fault condition	ons it like him	Pil
6.4.1	Safeguard method	Method by control of fire spread applied, Fire enclosure provided.	P
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	MILIER WHITE WHITE WHITE	N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	THE MILLE WILLE W	N/A
6.4.3.1	Supplementary safeguards	The Link Will Wi	N/A
6.4.3.2	Single Fault Conditions	14. 14. 1	N/A
Mer.	Special conditions for temperature limited by fuse	OLITER WHITE WALLE	N/A
6.4.4	Control of fire spread in PS1 circuits	and the set set	Р
6.4.5	Control of fire spread in PS2 circuits	Only PS1	N/A
6.4.5.2	Supplementary safeguards	et et let let let	N/A
6.4.6	Control of fire spread in PS3 circuits	Mus Me And And	N/A
6.4.7	Separation of combustible materials from a PIS	TEX SIFE MITE MILE	N/A
6.4.7.2	Separation by distance	The things of	N/A
6.4.7.3	Separation by a fire barrier	CALTER MALIE WALTER WHITE	N/A
6.4.8	Fire enclosures and fire barriers	at the fifth	N/A
6.4.8.2	Fire enclosure and fire barrier material properties	rie Murie Muri Muri A	N/A
6.4.8.2.1	Requirements for a fire barrier	it tet tet utet at	N/A
6.4.8.2.2	Requirements for a fire enclosure	Mer Mer Mice an	N/A
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	White White White White	N/A
6.4.8.3.1	Fire enclosure and fire barrier openings	LET THE THE STATE	N/A



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Clause	Requirement + Test	Result - Remark	Verdict	
	I A 12 LET THE MET MET	The The The The		
6.4.8.3.2	Fire barrier dimensions	THE THE THE NITH	N/A	
6.4.8.3.3	Top openings and properties	No openings.	N/A	
LITE WILL	Openings dimensions (mm)	JEK STEK NITER MITE W	N/A	
6.4.8.3.4	Bottom openings and properties	No openings.	N/A	
WILL	Openings dimensions (mm)	White while while and	N/A	
- Clerk	Flammability tests for the bottom of a fire enclosure	at at at any	N/A	
21, 1	Instructional Safeguard	While Mile Mile All	N/A	
6.4.8.3.5	Side openings and properties No openings.		N/A	
.4	Openings dimensions (mm)	on the sure of	N/A	
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c)	EK WHITEK WHITE WHITE WA	N/A	
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating:	WALTER WALTER WALTER WALTE	N/A	
6.4.9	Flammability of insulating liquid	TEX LIEX NUTER MITE	N/A	
6.5	Internal and external wiring	W. July T. T.	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.	EK PWI	
6.5.2	Requirements for interconnection to building wiring	See 6.5.1.	AN P	
6.5.3	Internal wiring size (mm²) for socket-outlets:	NITE OF THE WALL OF	N/A	
6.6	Safeguards against fire due to the connection to	additional equipment	N/A	

7	INJURY CAUSED BY HAZARDOUS SUBSTANCES	P
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
N.C. J	Personal safeguards and instructions	<u></u>
7.5	Use of instructional safeguards and instructions	N/A
-7/1	Instructional safeguard (ISO 7010)	_
7.6	Batteries and their protection circuits	Р



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ALL MILLS	The sur on a	EN IEC 62368-1	TEX MILITER VANLERY	Write Mr.	ALL L
Clause	Requirement + Test	May A Co	Result - Remark	LIEK OLIE	Verdict

8	MECHANICALLY-CAUSED INJURY		P
8.2	Mechanical energy source classifications Safeguards against mechanical energy sources Safeguards against parts with sharp edges and corners		P
8.3			
8.4			Р
8.4.1	Safeguards	E WILL WILL MULL AND	Р
MALTER	Instructional Safeguard:	MS1: Edges and corners of enclosure	PE
8.4.2	Sharp edges or corners	Edges and corners of the enclosure are rounded.	P.
8.5	Safeguards against moving parts	Mr. Mr. M. A.	N/A
8.5.1	Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts	No moving parts.	N/A
white 1	MS2 or MS3 part required to be accessible for the function of the equipment	See above.	N/A
Write AV	Moving MS3 parts only accessible to skilled person	ALTER OLITER MALTER MALTER	N/A
8.5.2	Instructional safeguard		N/A
8.5.4	Special categories of equipment containing moving parts	The first way	N/A
8.5.4.1	General	i alie wall wall wa	N/A
8.5.4.2	Equipment containing work cells with MS3 parts	A SH SH S	N/A
8.5.4.2.1	Protection of persons in the work cell	White Mile Man Man	N/A
8.5.4.2.2	Access protection override	LEK TEK TEK STEK	N/A
8.5.4.2.2.1	Override system	Her Mer Au Au	N/A
8.5.4.2.2.2	Visual indicator	LEK LIEK NITER INTER IN	N/A
8.5.4.2.3	Emergency stop system	70 20	N/A
MUT.	Maximum stopping distance from the point of activation (m)	White white white wh	N/A
MULL M	Space between end point and nearest fixed mechanical part (mm)	UNLIER WHITE WHITE WHITE	N/A
8.5.4.2.4	Endurance requirements	TEX TEX STEX STEE	N/A
IEK LIEK	Mechanical system subjected to 100 000 cycles of operation	I THE THE TEXT	N/A
20	- Mechanical function check and visual inspection	I mer mer any an	N/A
MITE	- Cable assembly	the little street with	N/A
8.5.4.3	Equipment having electromechanical device for destruction of media	Mr. Mr. Mr. Mr.	N/A



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Clause	Requirement + Test	Result - Remark	Verdict		
8.5.4.3.1	Equipment safeguards	A CH CH THE	N/A		
8.5.4.3.2	Instructional safeguards against moving parts:	With May Any	N/A		
8.5.4.3.3	Disconnection from the supply	CEL TEX STER STER IN	N/A		
8.5.4.3.4	Cut type and test force (N)	The The All B	N/A		
8.5.4.3.5	Compliance	ALIEN MITER MALIER WAL	N/A		
8.5.5	High pressure lamps	No high pressure lamps used.	N/A		
1/15 1	Explosion test	WHILE MULT MULT	N/A		
8.5.5.3	Glass particles dimensions (mm)	at let let let	N/A		
8.6	Stability of equipment	With Mary And Alle	N/A		
8.6.1	General	MS1: Mass of the unit	N/A		
£ 15+	Instructional safeguard:	Anger Anger	N/A		
8.6.2	Static stability	"NITE" WALTER WALTE WALTE	N/A		
8.6.2.2	Static stability test:	A CH TEN TEN	N/A		
8.6.2.3	Downward force test	neit mer mer me	N/A		
8.6.3	Relocation stability	at The life of	N/A		
X	Wheels diameter (mm)	2 10,000 10,000	_		
July C	Tilt test	A CITE WILL WALLER WAL	N/A		
8.6.4	Glass slide test		N/A		
8.6.5	Horizontal force test	antice water water water	N/A		
8.7	Equipment mounted to wall, ceiling or other struc	eture	N/A		
8.7.1	Mount means type	he me me me	N/A		
8.7.2	Test methods	LEK LIEK OLIEK MITER OM	N/A		
+ 14	Test 1, additional downwards force (N)	100 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A		
nur,	Test 2, number of attachment points and test force (N)	White Marie Marie Marie	N/A		
Mr.C. M	Test 3 Nominal diameter (mm) and applied torque (Nm)	WALTER WALTER WALLE WALLE	N/A		
8.8	Handles strength	SLIER WILL WILLE MULIE	N/A		
8.8.1	General	No handles	N/A		
8.8.2	Handle strength test	" MUTT MUTT MUTT AND	N/A		
CLIER	Number of handles	LET LET LIET SILE	_		
40,	Force applied (N):	Mr. My My All	7		
8.9	Wheels or casters attachment requirements	TER TER STEEL STITE	N/A		



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		EN IEC 62368-1		
Clause	Requirement + Test	740	Result - Remark	Verdict

8.9.2	Pull test	No such parts	N/A
8.10	Carts, stands and similar carriers	Wer Aven And Ang	N/A
8.10.1	General	No carts, stands or similar carriers	N/A
8.10.2	Marking and instructions	of the the the	N/A
8.10.3	Cart, stand or carrier loading test	my my my m	N/A
WILLE	Loading force applied (N)	LIEF WITE WITE SUNT	N/A
8.10.4	Cart, stand or carrier impact test	Mr. The City	N/A
8.10.5	Mechanical stability	LITER WILLE WHILE WALL	N/A
JEK JE	Force applied (N)	at at all all	TEX-
8.10.6	Thermoplastic temperature stability	Mur Mr Mr M	N/A
8.11	Mounting means for slide-rail mounted equipment (SRME)		N/A
8.11.1	General	No such parts	N/A
8.11.2	Requirements for slide rails	ALTER MITER WALTER WALTER	N/A
at d	Instructional Safeguard	THE REP	N/A
8.11.3	Mechanical strength test	THE THE THE T	N/A
8.11.3.1	Downward force test, force (N) applied	THE LIEF	N/A
8.11.3.2	Lateral push force test	and the man	N/A
8.11.3.3	Integrity of slide rail end stops	- LIET NITER MITER SONIT	N/A
8.11.4	Compliance	M M M	N/A
8.12	Telescoping or rod antennas	WHILE MALLE WALLE	N/A
4	Button/ball diameter (mm)	No such parts	

9	THERMAL BURN INJURY Thermal energy source classifications		P
9.2			Р
9.3	Touch temperature limits	SLIER MITE MALIE WALLE	JUL P
9.3.1	Touch temperatures of accessible parts:	(See appended table 5.4.1.4, 9.3, B.1.5, B.2.6)	NLTEP W
9.3.2	Test method and compliance	See B.1.6 & B.2.3	P
9.4	Safeguards against thermal energy sources	TER WITTER MATTER MATE MATE	Р
9.5	Requirements for safeguards		Р



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	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
20,	1 A St St Alt NOT INCO	m m m	
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.	ITEK WA
9.5.2	Instructional safeguard:	Instructional safeguard is not required.	N/A
9.6	Requirements for wireless power transmitters	· TEK ITEK SITEK MITE	N/A
9.6.1	General	No wireless power transmitters	N/A
9.6.2	Specification of the foreign objects	LIER OLIER WALTER WALTER	N/A
9.6.3	Test method and compliance		N/A

10	RADIATION		P
10.2	Radiation energy source classification		√ ₀ P
10.2.1	General classification	See below	P
70 T	Lasers	we me me m	_
ALTE WA	Lamps and lamp systems	RS1: LED only for indicating use which is considered as low power application.	_
- **	Image projectors	i me me me m	_
WALTE	X-Ray	LIEF STEF WITE WHITE	_
.0+	Personal music player	THE THE REPORT OF	_
10.3	Safeguards against laser radiation		N/A
ITEK WILL	The standard(s) equipment containing laser(s) comply	No laser radiation	N/A
10.4	Safeguards against optical radiation from lamps LED types)	and lamp systems (including	Y PLIE
10.4.1	General requirements	LED indication light: Classed as RS1 (Exempt Group)	WALL P.K
NLTEK W	Instructional safeguard provided for accessible radiation level needs to exceed	TEX SLIET MITER WAITER	N/A
at a	Risk group marking and location		N/A
21/2	Information for safe operation and installation	I MULTINALL WALL WAS	N/A
10.4.2	Requirements for enclosures	t let tet tet ste	N/A
10,	UV radiation exposure	mer me me m	N/A
10.4.3	Instructional safeguard:	tet tet tiet ster	N/A



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J. m.	The All the All the	EN IEC 62368-1	TER WALTER WALTER.	alerge alle	- Inc.
Clause	Requirement + Test	The state of	Result - Remark	LIEK WITE	Verdict

10.5	Safeguards against X-radiation		N/A
10.5.1	Requirements	No X-radiation	N/A
LIE WAL	Instructional safeguard for skilled persons	LEK LIEK NITER WITER A	_
10.5.3	Maximum radiation (pA/kg)		_
10.6	Safeguards against acoustic energy sources	ER MILER WILLER WILL WILL WILL	Р
10.6.1	General	A ST SET SEE	Р
10.6.2	Classification	MULL MUS MUS MIS	N/A
NLTER NA	Acoustic output L _{Aeq,T} , dB(A)	TER TER STEEL WITER	N/A
* .	Unweighted RMS output voltage (mV)	in the sure	N/A
in min	Digital output signal (dBFS)	TEX OLIER WITE WALLE WA	N/A
10.6.3	Requirements for dose-based systems	at the state of	N/A
10.6.3.1	General requirements	White Mile Mer Mer	N/A
10.6.3.2	Dose-based warning and automatic decrease	let tet the steet	N/A
10.6.3.3	Exposure-based warning and requirements	Mr. Mr. M. M.	N/A
LITE WILL	30 s integrated exposure level (MEL30)	THE NITE WAITE IN	N/A
at all	Warning for MEL ≥ 100 dB(A)	- 1 July 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
10.6.4	Measurement methods	The Main Wall WALL WALL	N/A
10.6.5	Protection of persons	A ST ST ST	N/A
211.	Instructional safeguards	MULLI MULL MULL MULL	N/A
10.6.6	Requirements for listening devices (headphones, earphones, etc.)	SLITER WALTER WALTER	nt P
10.6.6.1	Corded listening devices with analogue input	et tet tet tiet tiet o	Р
MULLER	Listening device input voltage (mV):	For AUX mode: L Channel: 251.189mV Min R Channel: 251.189mV Min	y P
10.6.6.2	Corded listening devices with digital input	TEN TEN LIEN NUTER	N/A
20, -0	Max. acoustic output L _{Aeq,T} , dB(A)	They are are an	N/A
10.6.6.3	Cordless listening devices	LIER MIER MITE MITE	Р
TEX WALTE	Max. acoustic output $L_{Aeq,T}$, dB(A)	For bluetooth mode: L Channel: 93.84 dB Max R Channel: 93.12 dB Max	EX P



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J. m.	The All the All the	EN IEC 62368-1	TER WALTER WALTER.	alerge alle	- Inc.
Clause	Requirement + Test	The state of	Result - Remark	LIEK WITE	Verdict

В	NORMAL OPERATING CONDITION TESTS, ABN CONDITION TESTS AND SINGLE FAULT CONDI		JILL P
B.1	General	A BY THE THE	JE P
B.1.5	Temperature measurement conditions	(See appended table B.1.5)	Р
B.2	Normal operating conditions	et tet liet nitet nitet int	Р
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	P
NLTEK SI	Audio Amplifiers and equipment with audio amplifiers:	(See appended table B.2.5)	P
B.2.3	Supply voltage and tolerances	Rated voltage 5Vdc	Р
B.2.5	Input test:	(See appended table B.2.5)	P
B.3	Simulated abnormal operating conditions		- P
B.3.1	General	(See appended table B.3)	√P
B.3.2	Covering of ventilation openings	No openings	N/A
211	Instructional safeguard:	Mr. Mr. Mr. Mr.	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 voltage selector used.	N/A
B.3.5	Maximum load at output terminals	The cutter white white was	N/A
B.3.6	Reverse battery polarity	and the state of	N/A
B.3.7	Audio amplifier abnormal operating conditions	(See appended table B.3)	An P
B.3.8	Safeguards functional during and after abnormal operating conditions:	During an abnormal operating condition that does not lead to a single fault condition, all safeguards are remained effective. After restoration of normal operating conditions, all safeguards are compliant with applicable requirements. For those abnormal operating conditions lead to single fault conditions, see Clause B.4.	INT P
B.4	Simulated single fault conditions	AUTIC AUTI AUT AUT A	Р
B.4.1	General	124 TEX STEX WITH W	P
B.4.2	Temperature controlling device	NTC used on main board. The test is carried out for three times, no failure. See appended table B.4 for details	P WALTE
B.4.3	Blocked motor test	No motors used.	N/A



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2,,	EN IEC 62368-1	in the the the	
Clause	Requirement + Test	Result - Remark	Verdict
7"	the set of the set of the section of	Mr. Mr. M. M.	`
B.4.4	Functional insulation	See below.	J. L.P
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.4)	Р
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	P.M
B.4.4.3	Short circuit of functional insulation on coated printed boards	No coated printed boards used.	N/A
B.4.5	Short-circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.4)	W.P.
B.4.6	Short circuit or disconnection of passive components	(See appended table B.4)	INCT P
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	(See appended table B.4)	on P
B.4.9	Battery charging and discharging under single fault conditions	See annex M	LITE P W
C CLIE	UV RADIATION	and the state of	N/A
C.1	Protection of materials in equipment from UV rac	diation	N/A
C.1.2	Requirements	No such UV generated from the equipment.	N/A
C.1.3	Test method	TEX STEE STEE SOUTH	N/A
C.2	UV light conditioning test	or the second	N/A
C.2.1	Test apparatus:	The write while while we	N/A
C.2.2	Mounting of test samples	- at the set of	N/A
C.2.3	Carbon-arc light-exposure test	mer mer my me	N/A
C.2.4	Xenon-arc light-exposure test	TER TER STEE STEE	N/A
D	TEST GENERATORS	my my my on	N/A
D.1	Impulse test generators	alies outer matrix analies of	N/A
D.2	Antenna interface test generator		N/A
D.3	Electronic pulse generator	its write mary many my	N/A
E STER	TEST CONDITIONS FOR EQUIPMENT CONTAINING AUDIO AMPLIFIERS		P
E.1	Electrical energy source classification for audio	signals	Р
SITE O	Maximum non-clipped output power (W)	(See appended table B.2.5)	10116



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During During Till			
Clause	Requirement + Test	Result - Remark	Verdict
JET	Rated load impedance (Ω)	(See appended table 4.1.2)	15 Et
4	Open-circuit output voltage (V)	(See appended table B.2.5)	
LIER WILL	Instructional safeguard:	Provided in the manual	Trie - In
E.2	Audio amplifier normal operating conditions	The second second	P
7/1/27	Audio signal source type:	(See appended table B.2.5)	The
CLIER	Audio output power (W):	(See appended table B.2.5)	COLUMN TO SERVE
74	Audio output voltage (V)	(See appended table B.2.5)	4,,
White M	Rated load impedance (Ω)	(See appended table 4.1.2)	11-11-11
TEK WALT	Requirements for temperature measurement	(See appended table 5.4.1.4, 9.3, B.1.5, B.2.6, B.3, B.4)	TEX P
E.3	Audio amplifier abnormal operating conditions	(See appended table B.3)	P
F with	EQUIPMENT MARKINGS, INSTRUCTIONS, AND SAFEGUARDS	NSTRUCTIONAL	NP
F.1	General	CLIER WILL WALLE WALLE	υР
Et C	Language	English	SEX.
F.2	Letter symbols and graphical symbols	a man man w	Р
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	P.U
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
F.3	Equipment markings	TEX LIEX OLIER MITERIAL	Pur
F.3.1	Equipment marking locations	The required marking is located on the enclosure of the equipment and is easily visible.	Y P WALTE
F.3.2	Equipment identification markings	See copy of marking plate.	Р
F.3.2.1	Manufacturer identification	See copy of marking plate	P
F.3.2.2	Model identification	See copy of marking plate	P
F.3.3	Equipment rating markings	See the following details.	P
F.3.3.1	Equipment with direct connection to mains	a at at at	N/A
F.3.3.2	Equipment without direct connection to mains	White Mrs. Mrs. Mrs.	N/P
F.3.3.3	Nature of the supply voltage:	See copy of marking plate	Р



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Clause	Requirement + Test	Result - Remark	Verdict	
F.3.3.4	Rated voltage:	See copy of marking plate	P	
F.3.3.5	Rated frequency	ood copy or marking place	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	The same of the same of	N/A	
F.3.4	Voltage setting device	No voltage setting device.	N/A	
F.3.5	Terminals and operating devices	See below.	N/A	
F.3.5.1	Mains appliance outlet and socket-outlet markings	No outlet used.	N/A	
F.3.5.2	Switch position identification marking	No switch used.	N/A	
F.3.5.3	Replacement fuse identification and rating markings	et writer writer writer w	N/A	
y zek	Instructional safeguards for neutral fuse	and the set of	N/A	
F.3.5.4	Replacement battery identification marking:	No such battery on the equipment. See sub-clause F.5	N/A	
F.3.5.5	Neutral conductor terminal	The same of the sa	N/A	
F.3.5.6	Terminal marking location	WHITE WALLE W	N/A	
F.3.6	Equipment markings related to equipment classification	The state writer was	N/A	
F.3.6.1	Class I equipment	The state of	N/A	
F.3.6.1.1	Protective earthing conductor terminal	WILL MILL MILL MILL	N/A	
F.3.6.1.2	Protective bonding conductor terminals	at let let let	N/A	
F.3.6.2	Equipment class marking	Will Mur Mur Mur.	N/A	
F.3.6.3	Functional earthing terminal marking	LEK TEK STEK STEK STEK ST	N/A	
F.3.7	Equipment IP rating marking	IPX0	N/A	
F.3.8	External power supply output marking	See copy of marking plate	"b _r	
F.3.9	Durability, legibility and permanence of marking	Marking is considered to be legible and easily discernible. See also the following details.	P	



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20	EN IEC 62368-1	in the the the the	
Clause	Requirement + Test	Result - Remark	Verdict
20.	t at at let the mill mill	Mr. Mr. M. M.	
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.	MALTEX WAS
F.4	Instructions	et tet itet sitet o	TER PORT
10	a) Information prior to installation and initial use	me me in in	P
MULLE	b) Equipment for use in locations where children not likely to be present	WALTER WALTER WALTER WALT	N/A
CLIFEE.	c) Instructions for installation and interconnection	TEX TEX STEEL OUTER	N/A
TEX S	d) Equipment intended for use only in restricted access area	The things of the state of the	N/A
15. 20.	e) Equipment intended to be fastened in place	and my my	N/A
iek antie	f) Instructions for audio equipment terminals	The street street street	N/A
<u> </u>	g) Protective earthing used as a safeguard	me me m	N/A
MULT	h) Protective conductor current exceeding ES2 limits	white write write write	N/A
ان. ^{سائز} ان	i) Graphic symbols used on equipment	TEX TEX STER WITER	N/A
JEK CL	j) Permanently connected equipment not provided with all-pole mains switch	at at all all a	N/A
	k) Replaceable components or modules providing safeguard function	who we will the	N/A
The.	Equipment containing insulating liquid	White Mury aut aug	N/A
CLIER	m) Installation instructions for outdoor equipment	let the the still	N/A
F.5	Instructional safeguards	mer, mer my m	N/A
G	COMPONENTS	CIEN STEN STEE WALTER S	ner P W
G.1	Switches Switches		N/A
G.1.1	General	No switches	N/A
G.1.2	Ratings, endurance, spacing, maximum load	1 1 1 1 1 S	N/A
G.1.3	Test method and compliance	MULL ME ME ME ME	N/A
G.2	Relays	at let let tex	N/A



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- 25.	EN IEC 62368-1	and the sur	
Clause	Requirement + Test	Result - Remark	Verdict
G.2.1	Requirements	No relays	N/A
G.2.1	Overload test	INO Telays	N/A
G.2.3	Relay controlling connectors supplying power to other equipment	TEL MITEL WHITE WAITER	N/A
G.2.4	Test method and compliance	t let the the s	N/A
G.3	Protective devices	Mill Mill Mill Mill	N/A
G.3.1	Thermal cut-offs	No thermal cut-offs	N/A
INLIEK WA	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	siek strek mitek smitek	N/A
TEX WALTE	Thermal cut-outs tested as part of the equipment as indicated in c)	et street milest matrest an	N/A
G.3.1.2	Test method and compliance	The state of	N/A
G.3.2	Thermal links	No thermal-links	N/A
G.3.2.1	a) Thermal links tested separately according to IEC 60691 with specifics	WILER WILLER MULTER	N/A
CIENT OF	b) Thermal links tested as part of the equipment	A THE THE	N/A
G.3.2.2	Test method and compliance	a my my n	N/A
G.3.3	PTC thermistors	No PTC thermistor provided as safeguard within the equipment.	N/A
G.3.4	Overcurrent protection devices	WALTER WALTE WALTE WALTE	N/A
G.3.5	Safeguards components not mentioned in G.3.1 to G.3.4	SLIEN WALTER WALTER	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	LEX MULTEX WHITEX W	N/A
G.3.5.2	Single faults conditions	- 16th 16th 176th 17	N/A
G.4	Connectors	Mer Mer Me Me	N/A
G.4.1	Spacings	THE LITTER SLITTER SINTER	N/A
G.4.2	Mains connector configuration	ar in in it	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	LIER WHITE WHITE WHITE	N/A
G.5	Wound components	EX WILLER WALLER WALLER WA	N/A
G.5.1	Wire insulation in wound components	at the left of	N/A
G.5.1.2	Protection against mechanical stress	WILL MULL MULL MULL	N/A
G.5.2	Endurance test	at the state of	N/A



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	EN IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict	
G.5.2.1	General test requirements	We say the	N/A	
G.5.2.2	Heat run test	Write Mrs. Mrs. 2	N/A	
LIEX WIT	Test time (days per cycle):	at the the	JEX 1121616 11	
<u> </u>	Test temperature (°C)	the me me	4 4 - x	
G.5.2.3	Wound components supplied from the mains	E NIET WEEK MILE	N/A	
G.5.2.4	No insulation breakdown	an at at	N/A	
G.5.3	Transformers	WILL MULTE MILL	N/A	
G.5.3.1	Compliance method:	at let let	N/A	
17 - 20'	Position	1 - 11 - 11 - 11 - 21	N/A	
JER WILLE	Method of protection:	tek stek strek sou	N/A	
G.5.3.2	Insulation		N/A	
11/1/2	Protection from displacement of windings	MITE WALTER WALTER	1/1/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2/2	
G.5.3.3	Transformer overload tests	at at at	N/A	
G.5.3.3.1	Test conditions	The Maria Maria	N/A	
G.5.3.3.2	Winding temperatures	ALTER OF	N/A	
G.5.3.3.3	Winding temperatures - alternative test method		N/A	
G.5.3.4	Transformers using FIW	I'm outle while while	N/A	
G.5.3.4.1	General	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A	
7112 1	FIW wire nominal diameter	WALLE WALL VALLE	1115 1115	
G.5.3.4.2	Transformers with basic insulation only	at let let	N/A	
G.5.3.4.3	Transformers with double insulation or reinforced insulation	et tet set i	N/A	
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	e with the title	N/A	
G.5.3.4.5	Thermal cycling test and compliance	Mr. Mr. Mr.	N/A	
G.5.3.4.6	Partial discharge test	LIER NITER MITE	N/A	
G.5.3.4.7	Routine test	311 711	N/A	
G.5.4	Motors	No motors	N/A	
G.5.4.1	General requirements	at the left of	N/A	
G.5.4.2	Motor overload test conditions	i mer mer mer	N/A	
G.5.4.3	Running overload test	TEK JEK JEK	N/A	
G.5.4.4.2	Locked-rotor overload test	Mr. Mr. Mr.	N/A	
urer air	Test duration (days):	TER LIER STEE	mirie whire.	



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	EN IEC 62368-1			
Clause	Requirement + Test	Result - Remark	Verdict	
G.5.4.5	Running overload test for DC motors	W. W. W. W.	N/A	
G.5.4.5.2	Tested in the unit	A WELL MUST AND A	N/A	
G.5.4.5.3	Alternative method	tet tet tret of	N/A	
G.5.4.6	Locked-rotor overload test for DC motors	n m	N/A	
G.5.4.6.2	Tested in the unit	TE NIE MIE WILL	N/A	
, let	Maximum Temperature	a state	N/A	
G.5.4.6.3	Alternative method	WILLE MULTE MULT	N/A	
G.5.4.7	Motors with capacitors	et set set	N/A	
G.5.4.8	Three-phase motors	Mary Mary May 20,	N/A	
G.5.4.9	Series motors	TEX STER SITE ONLY	N/A	
t dt	Operating voltage		+ (1)	
G.6	Wire Insulation	E MITE MILIER WALLE	N/A	
G.6.1	General	1	N/A	
G.6.2	Enamelled winding wire insulation	with white with a	N/A	
G.7	Mains supply cords	At THE	N/A	
G.7.1	General requirements	3 140 140	N/A	
MILLE	Type	C NIT MIT WALL	The strip	
G.7.2	Cross sectional area (mm² or AWG)		N/A	
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	MULITANILE WATER	N/A	
G.7.3.2	Cord strain relief	LITER WALTE WALTE W	N/A	
G.7.3.2.1	Requirements	at at at a	N/A	
	Strain relief test force (N)	U. MULL MILL MULL	N/A	
G.7.3.2.2	Strain relief mechanism failure	E- TEN LIER MITE	N/A	
G.7.3.2.3	Cord sheath or jacket position, distance (mm)	The the said	N/A	
G.7.3.2.4	Strain relief and cord anchorage material	ALTER MILLER WALLER	N/A	
G.7.4	Cord Entry	a at at	N/A	
G.7.5	Non-detachable cord bend protection	WILLE WILL MUST ME	N/A	
G.7.5.1	Requirements	it get get is	N/A	
G.7.5.2	Test method and compliance	in the sure of	N/A	
MULLE.	Overall diameter or minor overall dimension, <i>D</i> (mm)	E JUNITER WALTER WALTER	MUTIC MUTIC	
wite an	Radius of curvature after test (mm)	TEN STEN STEN	MITE WILL	



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	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
G.7.6	Supply wiring space	Mr. Mr. Mr. Tet Tet	N/A
G.7.6.1	General requirements	aver me me me	N/A
G.7.6.2	Stranded wire	TEH STEP STEP WITER S	N/A
G.7.6.2.1	Requirements	The same of the	N/A
G.7.6.2.2	Test with 8 mm strand	e write, write murity mus	N/A
G.8	Varistors	a state of	N/A
G.8.1	General requirements	No varistors used	N/A
G.8.2	Safeguards against fire	let tex tex tex	N/A
G.8.2.1	General	in the the	N/A
G.8.2.2	Varistor overload test	tel alter alter aptier and	N/A
G.8.2.3	Temporary overvoltage test	Sur Sur St	N/A
G.9	Integrated circuit (IC) current limiters		N/A
G.9.1	Requirements	No such IC	N/A
14, 24,	IC limiter output current (max. 5A)	nur mr. m.	-
LIFE MILI	Manufacturers' defined drift	ALTER OUTER	12-176-N
G.9.2	Test Program		N/A
G.9.3	Compliance	The William Control of	N/A
G.10	Resistors	a state of	N/A
G.10.1	General White Whit	The bleeder resistors used after X - capacitor, not relied upon as safeguard, no test necessary. See 5.5.6.	N/A
G.10.2	Conditioning	LIER SLIER WILES MULTER ON	N/A
G.10.3	Resistor test	The state of	N/A
G.10.4	Voltage surge test	WALLE WALLE WALL WALL WALL	N/A
G.10.5	Impulse test	at the the the	N/A
G.10.6	Overload test	mer mer mer mer	N/A
G.11	Capacitors and RC units	TER STER STER BUTER	N/A
G.11.1	General requirements	le me me	N/A
G.11.2	Conditioning of capacitors and RC units	A CHIEF WILL MALLE WA	N/A
G.11.3	Rules for selecting capacitors	at the life of	N/A
G.12	Optocouplers	miter white white with	N/A



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	EN IEC 62368-1	74c 24 25	
Clause	Requirement + Test	Result - Remark	Verdict
MUTIER AN	Optocouplers comply with IEC 60747-5-5 with specifics	NATES WHITES WHITES	N/A
LIEK WI	Type test voltage V _{ini,a} :	at let let let	CLIEK O
7,	Routine test voltage, V _{ini, b}	i mi mi m	
G.13	Printed boards	t lifet alifet writer was	Р
G.13.1	General requirements	See the following details.	P
G.13.2	Uncoated printed boards	The insulation between conductors on the outer surfaces of an uncoated printed board complied with the minimum clearance and creepage requirements	WI P
G.13.3	Coated printed boards	No coated printed board or multilayer board applied for within the equipment.	N/A
G.13.4	Insulation between conductors on the same inner surface	MILES MULTER MULTER MULTER	N/A
G.13.5	Insulation between conductors on different surfaces	THE MITTER SOUTH	N/A
et et	Distance through insulation		N/A
21/2	Number of insulation layers (pcs):	WHITE WALL WALL WA	$= \overline{\eta}_{L}$
G.13.6	Tests on coated printed boards	at alt alt are	N/A
G.13.6.1	Sample preparation and preliminary inspection	Mur. Mur. Mur. An	N/A
G.13.6.2	Test method and compliance	THE STEEL MITTER MAITER	N/A
G.14	Coating on components terminals	in the the	N/A
G.14.1	Requirements:	No such coating	N/A
G.15	Pressurized liquid filled components		N/A
G.15.1	Requirements	No such liquid	N/A
G.15.2	Test methods and compliance	the tip tip tip	N/A
G.15.2.1	Hydrostatic pressure test	me me me in	N/A
G.15.2.2	Creep resistance test	LIET SLIER WITER WITER	N/A
G.15.2.3	Tubing and fittings compatibility test	The state of	N/A
G.15.2.4	Vibration test	THE MALLE WALL AN	N/A
G.15.2.5	Thermal cycling test	at at at s	N/A
G.15.2.6	Force test	MULL MULL MULL MILL	N/A
G.15.3	Compliance	et let let let	N/A



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- Curry	The the text of	EN IEC 62368-1	TEX MULTER AMULES	Notice Char	m
Clause	Requirement + Test	Mr. S. S.	Result - Remark	IEK ALTE	Verdict

G.16	IC including capacitor discharge function (ICX)		N/A
G.16.1	Condition for fault tested is not required	No such ICX	N/A
LIET MAL	ICX with associated circuitry tested in equipment	TEX LIEX SLIER SILES	N/A
at at	ICX tested separately	Mr. Mr. A.	N/A
G.16.2	Tests	" WITE WHITE WHITE WAS	N/A
WALTER	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	SLIET MILET MILET MILE	VINLE
INLIEK W	Mains voltage that impulses to be superimposed on	LIEF WILER MULTER	ginei (24
TEK WALT	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test	Et SLIEK WIFEK WALTER WA	STEK-
G.16.3	Capacitor discharge test	The second second	N/A
H June	CRITERIA FOR TELEPHONE RINGING SIGNALS	WHITE WALL WALL WALL	N/A
H.1	General	at alt telt the	N/A
H.2	Method A	Were The August	N/A
H.3	Method B	the street outer o	N/A
H.3.1	Ringing signal	No telephone ringing signal generated within the equipment.	N/A
H.3.1.1	Frequency (Hz)	THE THE LITTE OUT	اكس
H.3.1.2	Voltage (V)	The Min who was	7
H.3.1.3	Cadence; time (s) and voltage (V)	LITER MILIER MALIER	MULT.
H.3.1.4	Single fault current (mA)::	a state of	(EX-
H.3.2	Tripping device and monitoring voltage	ILL MULL MULL MILL M	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	WALTER WALTER WALTER WALT	N/A
H.3.2.2	Tripping device	et tet tet stet	N/A
H.3.2.3	Monitoring voltage (V):	me me me	N/A
J.T. WA	INSULATED WINDING WIRES FOR USE WITHOU INSULATION	T INTERLEAVED	N/A
J.1	General	Et JET STEET WITE ON	N/A
t sit	Winding wire insulation:	24. 24. 2	<i>-</i>
MUC	Solid round winding wire, diameter (mm)	MITER WALTE WALTE WAL	N/A
INLITER N	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²)	et tet tret stret	N/A



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Clause	Requirement + Test	Result - Remark	Verdict
Clause	Requirement + Test	Result - Remark	verdict
J.2/J.3	Tests and Manufacturing	LET TEX TEX STEX	C. L. E.
K	SAFETY INTERLOCKS	mer me me me	N/A
K.1	General requirements	THE LIER NUTER WITER	N/A
at all	Instructional safeguard:	No safety interlock provided.	N/A
K.2	Components of safety interlock safeguard mech	nanism	N/A
K.3	Inadvertent change of operating mode	at at at at	N/A
K.4	Interlock safeguard override	MILL MILL MILL MILL	N/A
K.5	Fail-safe	TEX TEX STEE SUTER	N/A
K.5.1	Under single fault condition	Hay Mrs. Mrs. Mrs.	N/A
K.6	Mechanically operated safety interlocks	TEX NITER WITER WHITE W	N/A
K.6.1	Endurance requirement	a state of	N/A
K.6.2	Test method and compliance	WALLE WALL WALL WALL WALL	N/A
K.7	Interlock circuit isolation	at all all all	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements	The sure sure sure	N/A
ek le	In circuit connected to mains, separation distance for contact gaps (mm)	Mari Mari	N/A
- The	In circuit isolated from mains, separation distance for contact gaps (mm)	I MALL MALL MALL ON	N/A
Mrs	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):	LIER MILE WALTER WALTER	N/A
K.7.3	Endurance test	a at at at	N/A
K.7.4	Electric strength test	THE MULL MULL MULL ON	N/A
E NIE	DISCONNECT DEVICES	et tet tet attet attet att	N/A
L.1	General requirements	Mr. Mr. Mr. 201	N/A
L.2	Permanently connected equipment	LIER WIFE WITE WALTE	N/A
L.3	Parts that remain energized	W L A Lit	N/A
L.4	Single-phase equipment	THE WALL WALL WALL .	N/A
L.5	Three-phase equipment	at the text that	N/A
L.6	Switches as disconnect devices	with the me me	N/A
L.7	Plugs as disconnect devices	y the tipe offer with	N/A
L.8	Multiple power sources	111 111 111 11 1 1 1 1 1 1 1 1 1 1 1 1	N/A
الدينية الم	Instructional safeguard:	THE THE STATE WITH	N/A



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- Curry	The the text of	EN IEC 62368-1	TEX MULTER AMULES	Notice Char	m
Clause	Requirement + Test	Mr. S. S.	Result - Remark	IEK ALTE	Verdict

M	EQUIPMENT CONTAINING BATTERIES AND THE	EIR PROTECTION CIRCUITS	Р
M.1	General requirements	inter Muse Any Any	Р
M.2	Safety of batteries and their cells		P
M.2.1	Batteries and their cells comply with relevant IEC standards	See table 4.1.2	P
M.3	Protection circuits for batteries provided within the equipment	THE THE STEEL PUTE	PE
M.3.1	Requirements	me m m	Р
M.3.2	Test method	LIER STEE WILLES	P
all a	Overcharging of a rechargeable battery		P P
200	Excessive discharging	EL WILL MILL MILL MI	Р
WALTER	Unintentional charging of a non-rechargeable battery	Multer Multer Multer	N/A
WATER ON	Reverse charging of a rechargeable battery	Built-in battery used, reverse charging is prevented	N/A
M.3.3	Compliance	A A A A	JE P
M.4	Additional safeguards for equipment containing battery	a portable secondary lithium	P
M.4.1	General	MULL MULL MULL MI	Р
M.4.2	Charging safeguards	THE THE STEEL WITE	Р
M.4.2.1	Requirements	The Me in the	Р
M.4.2.2	Compliance	LIET OLITE OPLIE MALTE	л ¹² Р.
M.4.3	Fire enclosure		N/A
M.4.4	Drop test of equipment containing a secondary lithium battery	THE WALL WAS AN	P
M.4.4.2	Preparation and procedure for the drop test	White white white whi	P
M.4.4.3	Drop, Voltage on reference and dropped batteries (V); voltage difference during 24 h period (%)::	After test, the voltage difference less than 5%.	P
M.4.4.4	Check of the charge/discharge function	at the fifth	P
M.4.4.5	Charge / discharge cycle test	THE MUTT MUT MUT A	Р
M.4.4.6	Compliance	it tex tex stex stex si	P
M.5	Risk of burn due to short-circuit during carrying	Mrs. Mrs. Mrs. Mrs.	Р
M.5.1	Requirement	No bare conductive terminal used	P
M.5.2	Test method and compliance	LET THE THE LITE	P



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1 1111	The All My The	EN IEC 62368-1	Mure Mrs	And A
Clause	Requirement + Test	Result - Remark	SLIEK MITE	Verdict

M.6	Safeguards against short-circuits		P
M.6.1	TEX TEX STEX STEET SUITER MULTER ON	The battery complied with IEC/EN 62133-2 which considered the internal fault tests. No such explosion or fire likely to result from short circuits.	P
M.6.2	Compliance	TEX TEX STEE MITE	ηP
M.7	Risk of explosion from lead acid and NiCd batteri	es	N/A
M.7.1	Ventilation preventing explosive gas concentration	LIER OLIER WHILE WHILE	N/A
LEF ST	Calculated hydrogen generation rate	a state of set.	N/A
M.7.2	Test method and compliance	E WILL MILL MUST ME	N/A
W STEEL	Minimum air flow rate, Q (m ³ /h)	- let tet stet set	N/A
M.7.3	Ventilation tests	Mur Mr Au M	N/A
M.7.3.1	General	TEX STEX BUTER WITE	N/A
M.7.3.2	Ventilation test – alternative 1		N/A
VEL ME	Hydrogen gas concentration (%)	THE WALL WILL TH	N/A
M.7.3.3	Ventilation test – alternative 2	14 18t	N/A
24	Obtained hydrogen generation rate	Mer Mer Mer Mer	N/A
M.7.3.4	Ventilation test – alternative 3	TER TER LITER OUTE	N/A
	Hydrogen gas concentration (%)	The Me The Man	N/A
M.7.4	Marking	LIEK NIEK MITER WALTER	N/A
M.8	Protection against internal ignition from external with aqueous electrolyte	spark sources of batteries	N/A
M.8.1	General	No to the state of	N/A
M.8.2	Test method	WHITE WALTE WALT WAL	N/A
M.8.2.1	General	at let let let	N/A
M.8.2.2	Estimation of hypothetical volume V_Z (m³/s)	Mury Mury Mury Mury	20 -
M.8.2.3	Correction factors	TEK ITEK SITEK SUTEK	NUT -
M.8.2.4	Calculation of distance d (mm)	in the same	<i>*</i>
M.9	Preventing electrolyte spillage	et outer antiet would an	N/A
M.9.1	Protection from electrolyte spillage	a at at a	N/A
M.9.2	Tray for preventing electrolyte spillage	INLIE WALL WALL WILL	N/A



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Clause	Requirement + Test	Result - Remark	Verdict
Olduse	Trequirement Trest	Tresuit Tremain	Verdict
M.10	Instructions to prevent reasonably foreseeable misuse	NITER WHITEK WHITEK	III P
JEK J	Instructional safeguard:	at at let let	JE P
N	ELECTROCHEMICAL POTENTIALS	in min my m	N/A
er antie	Material(s) used	Pollution degree considered	TI TILL
0	MEASUREMENT OF CREEPAGE DISTANCES AND CLEARANCES		N/A
Mun 1	Value of X (mm)	CLIEF WHITE WALLS WILL	m
P	SAFEGUARDS AGAINST CONDUCTIVE OBJECT	S	N/A
P.1	General	The Mary Mur May	N/A
P.2	Safeguards against entry or consequences of en	try of a foreign object	N/A
P.2.1	General	Only PS1,ES1	N/A
P.2.2	Safeguards against entry of a foreign object	No openings.	Mar.
, et	Location and Dimensions (mm)	t at let let	
P.2.3	Safeguards against the consequences of entry of a foreign object	With Murit Muri Muri	N/A
P.2.3.1	Safeguard requirements	The Maria Maria	N/A
iek walie	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment	Not transportable equipment	N/A
MALTER.	Transportable equipment with metalized plastic parts	Not transportable equipment	N/A
P.2.3.2	Consequence of entry test	at let tet stet	N/A
P.3	Safeguards against spillage of internal liquids	WILL MUT MUT MU	N/A
P.3.1	General	No such liquids.	N/A
P.3.2	Determination of spillage consequences	My My M	N/A
P.3.3	Spillage safeguards	CLIEF WIFE WALLE WALL	N/A
P.3.4	Compliance	a at at all	N/A
P.4	Metallized coatings and adhesives securing part	Spite white whi was	N/A
P.4.1	General	No such construction.	N/A
P.4.2	Tests	ir, mr. m. m.	N/A
IE WALTE	Conditioning, T _C (°C)	EX SITEX NUTEX MITE ON	1 10 10 10 10 10 10 10 10 10 10 10 10 10
t Let	Duration (weeks):	All In the	F 764
Que	CIRCUITS INTENDED FOR INTERCONNECTION	WITH BUILDING WIRING	N/A
Q.1	Limited power sources	the state of	N/A



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Clause	Requirement + Test	Result - Remark	Verdict
Clause	Trequirement + Test	Result - Remark	Verdict
Q.1.1	Requirements	A A A A ST	N/A
4	a) Inherently limited output	Very Muri Ang Musik	N/A
itet ani	b) Impedance limited output	TEX TEX STEE STEEL	N/A
at d	c) Regulating network limited output	110 210 200 2	N/A
MILL	d) Overcurrent protective device limited output	RITER MILLER WALLER WA	N/A
J.E.	e) IC current limiter complying with G.9	a at at A	N/A
Q.1.2	Test method and compliance:	White mer me me	N/A
inlifer on	Current rating of overcurrent protective device (A)	LIEK WHITEK WHITEK WHITEK	N/A
Q.2	Test for external circuits – paired conductor cable	EX MATER MATER MATER M	N/A
k altek	Maximum output current (A)	- let tet tet of	N/A
120	Current limiting method:	Mur. My My My	
RALITE	LIMITED SHORT CIRCUIT TEST	LIEK ALTER MITER WALTER	N/A
R.1	General	No such consideration.	N/A
R.2	Test setup	MULTI WALL T	N/A
ek ur	Overcurrent protective device for test	The state of	JEK - 17
R.3	Test method	Mer Aug My An	N/A
MITE	Cord/cable used for test	TEK TEK NITER MIT	NI CIE
R.4	Compliance	The The The	N/A
S.C. July	TESTS FOR RESISTANCE TO HEAT AND FIRE	witer wite white white	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
# JEH	Samples, material	at the set of	0 J
7/1/2	Wall thickness (mm)	White Marie Mar Mr.	10
NLTER.	Conditioning (°C):	LEK LEK LIEK MITE	F TELL
STEK IN	Test flame according to IEC 60695-11-5 with conditions as set out	THE THE THE THE	N/A
	- Material not consumed completely	in min my min	N/A
TE WALL	- Material extinguishes within 30s	Et STEEL WITE WITE W	N/A
+ 14	- No burning of layer or wrapping tissue	Mr. R. St.	N/A
S.2	Flammability test for fire enclosure and fire barri	er integrity	N/A
d	Samples, material	1 1 1	10



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Clause	Requirement + Test	Result - Remark	Verdic
10.	the state of the s	Mer Mer Mr. M.	
driter al	Wall thickness (mm)	CER STER STER BALTER	MILLE.
	Conditioning (°C)	10. 14. 10. 1	
S.3	Flammability test for the bottom of a fire enclosure	ire it it with the same of	N/A
S.3.1	Mounting of samples	and the set	N/A
S.3.2	Test method and compliance	WILL MULL MULL MULL	N/A
CLIER	Mounting of samples:	let let let sit	t Chillip
721	Wall thickness (mm)	me, me, me, m	- T
S.4	Flammability classification of materials	TEX STEX OUTER MITE	N/A
S.5	Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W	EX MITEX MUTER MUTER M	N/A
MLIE	Samples, material	THE LITER SLITER WAY	10 M
z.t	Wall thickness (mm)	Mr. Mr. M.	
212 T	Conditioning (°C)	ALTER MITER MALTER MALTER	alury.
T	MECHANICAL STRENGTH TESTS	The lite	Р
T.1	General The Control of the Control o		Р
T.2	Steady force test, 10 N	(See appended table T.2)	P
T.3	Steady force test, 30 N:	m, m, m,	N/A
T.4	Steady force test, 100 N	(See appended table T.4)	ηР
T.5	Steady force test, 250 N:	The the state of	N/A
T.6	Enclosure impact test	(See appended table T.6)	Р
det at	Fall test	at at the the	P
20	Swing test	me me me	Р
T.7 (1)	Drop test:	(See appended table T.7)	Р
T.8	Stress relief test:	(See appended table T.8)	Р
T.9	Glass Impact Test	No such glass	N/A
T.10	Glass fragmentation test		N/A
is, in	Number of particles counted	No such glass	N/A
T.11	Test for telescoping or rod antennas	at let let liet	N/A
t Jek	Torque value (Nm):	No such antennas provided within the equipment.	N/A



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100	The state of	EN IEC 62368-1	LET MULLE MULL MULL	The The
Clause	Requirement + Test	W W	Result - Remark	Verdict

U LIER V	MECHANICAL STRENGTH OF CATHODE RAY TU PROTECTION AGAINST THE EFFECTS OF IMPLO		N/A
U.1	General		N/A
E. J.	Instructional safeguard:	No CRT provided within the equipment.	N/A
U.2	Test method and compliance for non-intrinsically	protected CRTs	N/A
U.3	Protective screen	TEX THE NITE OUTE	N/A
V ,	DETERMINATION OF ACCESSIBLE PARTS	me m m	N/A
V.1	Accessible parts of equipment	LITER WITER WITER WHITE	N/A
V.1.1	General		N/A
V.1.2	Surfaces and openings tested with jointed test probes	antic met and an	N/A
V.1.3	Openings tested with straight unjointed test probes	White white white whe	N/A
V.1.4	Plugs, jacks, connectors tested with blunt probe	at alt the talk	N/A
V.1.5	Slot openings tested with wedge probe	West Mar Mar Mar	N/A
V.1.6	Terminals tested with rigid test wire	ALTER MITER N	N/A
V.2	Accessible part criterion		N/A
X JUNEY	ALTERNATIVE METHOD FOR DETERMINING CLEARANCES FOR INSULATION IN CIRCUITS CONNECTED TO AN AC MAINS NOT EXCEEDING 420 V PEAK (300 V RMS)		N/A
	Clearance:	(1) (b) (d) (d)	
A(V)		24. 20.	N/A
Y	CONSTRUCTION REQUIREMENTS FOR OUTDOO	R ENCLOSURES	N/A N/A
21 1	CONSTRUCTION REQUIREMENTS FOR OUTDOO General	R ENCLOSURES Indoor equipment	(/*
7, 1		the state of the state of	N/A
Y.1 Y.2	General	the state of the state of	N/A N/A
Y.1 Y.2 Y.3	General Resistance to UV radiation	the state of the state of	N/A N/A N/A N/A
Y.1 Y.2 Y.3 Y.3	General Resistance to UV radiation Resistance to corrosion	the state of the state of	N/A N/A N/A N/A
Y.1 Y.2 Y.3 Y.3 Y.3.1	General Resistance to UV radiation Resistance to corrosion Resistance to corrosion Metallic parts of outdoor enclosures are resistant to	the state of the state of	N/A N/A N/A N/A N/A
Y.1 Y.2 Y.3 Y.3 Y.3.1	General Resistance to UV radiation Resistance to corrosion Resistance to corrosion Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by	the state of the state of	N/A N/A N/A N/A N/A N/A
Y.1 Y.2 Y.3 Y.3.1 Y.3.1 Y.3.2 Y.3.3	General Resistance to UV radiation Resistance to corrosion Resistance to corrosion Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by	the state of the state of	N/A N/A N/A N/A N/A N/A N/A N/A
Y.1 Y.2 Y.3 Y.3.1 Y.3.2 Y.3.3 Y.3.4	General Resistance to UV radiation Resistance to corrosion Resistance to corrosion Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by	the state of the state of	N/A N/A N/A N/A N/A N/A N/A N/A
Y.1 Y.2 Y.3 Y.3.1 Y.3.2 Y.3.3 Y.3.4 Y.3.5 Y.4	General Resistance to UV radiation Resistance to corrosion Resistance to corrosion Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by: Test apparatus Water – saturated sulphur dioxide atmosphere Test procedure	the state of the state of	N/A N/A N/A



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	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
10.	I SE SE SE SEE SEE MITTERS	The The Me	40 4
Y.4.2	Gasket tests	Let Tex Tex	N/A
Y.4.3	Tensile strength and elongation tests	ive me me	N/A
Life whi	Alternative test methods	JEK STEK STEK IN	N/A
Y.4.4	Compression test	1111 211	N/A
Y.4.5	Oil resistance	E. MITER WALTER WALT	N/A
Y.4.6	Securing means	a de de	N/A
Y.5	Protection of equipment within an outdoor enclose	sure w	N/A
Y.5.1	General	Let Let Jet	N/A
Y.5.2	Protection from moisture	Ary Mr. Mr. M.	N/A
The WALL	Relevant tests of IEC 60529 or Y.5.3	EX SLIER NLIER WAY	N/A
Y.5.3	Water spray test	70 2 2 24	N/A
Y.5.4	Protection from plants and vermin	WALLE WALLE WALL	N/A
Y.5.5	Protection from excessive dust	at at let	N/A
Y.5.5.1	General	with mur mur.	N/A
Y.5.5.2	IP5X equipment	at a state of	N/A
Y.5.5.3	IP6X equipment	1 19 20	N/A
Y.6	Mechanical strength of enclosures	I'm WITH MITH WALT	N/A
Y.6.1	General	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
Y.6.2	Impact test:	WITE WILL WILL	N/A



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Ropole 140.: 17 11 22 207 1 107 10 1	1 ago 12 01 1 1	
write white when when we	EN IEC 62368-1	TILE MUTIL M
Clause Requirement + Test	Result - Remark	Verdict

ATTACHMENT TO TEST REPORT

IEC 62368-1

EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES
(Audio/video, information and communication technology equipment - Part 1: Safety requirements)

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

Attachment Form No..... EU_GD_IEC62368_1E

Attachment Originator.....: UL(Demko)

Master Attachment 2021-02-04

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mes w	CENELEC COMMON MODIF	FICATIONS (EN)	SLIEB WILL WALLE	ur P √
Lifek whi		. All other clause numl refers to IEC 62368-1 ables, figures and ann		TE P
WALLEY OF	Add the following annexes: Annex ZA (normative)	with their correspor	es to international publications ading European publications	NINP .
TEX WILL	Annex ZB (normative) Annex ZC (informative) Annex ZD (informative)	Special national con A-deviations	code designations for flexible	SEK JULI
· · · · · · ·	at the the the	cords	code designations for nexible	. N/A
1	Modification to Clause 3.	AV N N	a a a	N/A
3.3.19	Sound exposure Replace 3.3.19 of IEC 62368	-1 with the following de	efinitions:	N/A
3.3.19.1	momentary exposure level, metric for estimating 1 s sound the HD 483-1 S2 test signal ap channels, based on EN 50332 Note 1 to entry: MEL is meas levels in dB. Note 2 to entry: See B.3 of EN additional information.	d exposure level from oplied to both 1-1:2013, 4.2. ured as A-weighted	Not such equipment	N/A



	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
3.3.19.3	sound exposure, E A-weighted sound pressure (p) squared and integrated over a stated period of time, T Note 1 to entry: The SI unit is Pa ² s. T $E = \int_{0}^{T} p(t)^{2} dt$	JUNITER WHITER WHITER	N/A
3.3.19.4	sound exposure level, SEL logarithmic measure of sound exposure relative to a reference value, <i>E0</i> , typically the 1 kHz threshold of hearing in humans.	White whitek whitek	MA N/A
	Note 1 to entry: SEL is measured as A-weighted levels in dB. $SEL = 10 \lg \left(\frac{E}{E_0}\right)_{\text{dB}}$	NITER WHITEK WHITEK WHITE	LIEK MITEK WAS
MULEX	Note 2 to entry: See B.4 of EN 50332-3:2017 for additional information.	MILITE WHITE WHITE	WAL MAN
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	LIE WHITE WHITEK WHITE	N/A
WATER W	Note 1 to entry: It is invalid to use dBFS for non-r.m.s. levels. Because the definition of full scale is based on a sine wave, the level of signals with a crest factor lower than that of a sine wave may exceed 0 dBFS. In particular, square wave signals may reach +3,01 dBFS.	UNITER WALTER WALTER	White White
2	Modification to Clause 10		Р
10.6	Safeguards against acoustic energy sources Replace 10.6 of IEC 62368-1 with the following:	T St Eft LEX	P
10.6.1.1 Junifer von	Introduction 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 audiovisual content / material; and	Whitek	P UNLIE WILLEY UNLIE UNLIE





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.).

EXAMPLES Portable CD players, MP3 audio players, mobile phones with MP3 type features, PDAs or similar equipment.

Personal music players shall comply with the requirements of either 10.6.2 or 10.6.3.

NOTE 1 Protection against acoustic energy sources from telecom applications is referenced to ITU-T P.360.

NOTE 2 It is the intention of the Committee to allow the alternative methods for now, but to only use the dose measurement method as given in 10.6.5 in future. Therefore, manufacturers are encouraged to implement 10.6.5 as soon as possible.

Listening devices sold separately shall comply with the requirements of 10.6.6.

These requirements are valid for music or video mode only.

The requirements do not apply to:

professional equipment;

NOTE 3Professional equipment is equipment sold through special sales channels. All products sold through normal electronics stores are considered not to be professional equipment.

- hearing aid equipment and other devices for assistive listening;
- the following type of analogue personal music players:
- long distance radio receiver (for example, a multiband radio receiver or world band radio receiver, an AM radio receiver), and
- cassette player/recorder;

NOTE 4 This exemption has been allowed because this technology is falling out of use and it is expected that within a few years it will no longer exist. This exemption will not be extended to other technologies.

 a player while connected to an external amplifier that does not allow the user to walk around while in use.

Waltek Testing Group Co., Ltd. http://www.waltek.com.cn





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EN IEC 62368-1				
Requirement + Test	Result - Remark	Verdict		
For equipment that is clearly designed or intended primarily for use by children, the limits of the relevant toy standards may apply. The relevant requirements are given in EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply	MULTER WHITER WHITER WHITER	MULLER		
Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz	TEC WILLIAM THE MILLER	N/A		
The amount of non-ionizing radiation is regulated by European Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz). For intentional radiators, ICNIRP guidelines should be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (up to 300 GHz). For handheld and body mounted devices, attention is drawn to EN 50360 and EN 50566.	A WALTER WALTER WALTER WALTER NUTER WALTER WALTER WALTER NUTER WALTER WALTER WALTER NUTER WALTER WALTER WALTER WA	White White Whitex		
Classification of devices without the capacity to	estimate sound dose	N/A		
This standard is transitioning from short-term based (30 s) requirements to long-term based (40 hour) requirements. These clauses remain in effect only for devices that do not comply with sound dose estimation as stipulated in EN 50332-3. For classifying the acoustic output <i>L</i> Aeq, <i>T</i> , measurements are based on the A-weighted equivalent sound pressure level over a 30 s period. For music where the average sound pressure (long term <i>L</i> Aeq, <i>T</i>) measured over the duration of the song is lower than the average produced by the programme simulation noise, measurements may be done over the duration of the complete song. In this case, <i>T</i> becomes the duration of the song. NOTE Classical music, acoustic music and broadcast typically has an average sound pressure (long term <i>L</i> Aeq, <i>T</i>) which is much lower than the average programme simulation noise. Therefore, if the player is capable to analyse the content and compare it with the programme simulation noise, the warning does not need to be given as long as the average sound pressure of the song does not exceed the required limit. For example, if the player is set with the	LIE WHIEK WH	WALTER WA		
	For equipment that is clearly designed or intended primarily for use by children, the limits of the relevant toy standards may apply. The relevant requirements are given in EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply. Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz The amount of non-ionizing radiation is regulated by European Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz). For intentional radiators, ICNIRP guidelines should be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (up to 300 GHz). For handheld and body mounted devices, attention is drawn to EN 50360 and EN 50566. Classification of devices without the capacity to General This standard is transitioning from short-term based (30 s) requirements to long-term based (40 hour) requirements. These clauses remain in effect only for devices that do not comply with sound dose estimation as stipulated in EN 50332-3. For classifying the acoustic output LAeq, T, measurements are based on the A-weighted equivalent sound pressure level over a 30 s period. For music where the average sound pressure (long term LAeq, T) measured over the duration of the song is lower than the average produced by the programme simulation noise, measurements may be done over the duration of the complete song. In this case, T becomes the duration of the song. NOTE Classical music, acoustic music and broadcast typically has an average sound pressure (long term LAeq, T) which is much lower than the average programme simulation noise. Therefore, if the player is capable to analyse the content and compare it with the programme simulation noise. 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 limi	For equipment that is clearly designed or intended primarily for use by children, the limits of the relevant requirements are given in EN 71-1:2011, 4:20 and the related tests methods and measurement distances apply. Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz The amount of non-ionizing radiation is regulated by European Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz). For intentional radiators, ICNIRP guidelines should be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (up to 300 GHz). For handheld and body mounted devices, attention is drawn to EN 50360 and EN 50566. Classification of devices without the capacity to estimate sound dose General This standard is transitioning from short-term based (30 s) requirements to long-term based (40 hour) requirements. These clauses remain in effect only for devices that do not comply with sound dose estimation as stipulated in EN 50332-3. For classifying the acoustic output LAeq, T, measurements are based on the A-weighted equivalent sound pressure level over a 30 s period. For music where the average sound pressure (long term LAeq, T) measured over the duration of the complete song. In this case, T becomes the duration of the complete song. In this case, T becomes the duration of the complete song. In this case, T becomes the duration of the complete song. In this case, T becomes the duration of the song. NOTE Classical music, acoustic music and broadcast typically has an average sound pressure (long term LAeq, T), which is much lower than the average programme simulation noise. Therefore, if the player is capable to analyse the content and compare it with the programme simulation noise, the warning does not need to be given as long as the average sound pressure of the song does not exceed the required limit.		



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	EN IEC 62368-1	he me in a	
Clause	Requirement + Test	Result - Remark	Verdict
2,	the state of the s	y mur mer m	10, 0,
	RS1 limits (to be superseded, see 10.6.3.2) RS1 is a class 1 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the <i>L</i> Aeq, <i>T</i> acoustic output shall be ≤ 85 dB when playing the fixed "programme simulation noise" described in EN 50332-1. — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 27 mV (analogue interface) or -25 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN 50332-1. — The RS1 limits will be updated for all devices as per 10.6.3.2.	JUNITER WRITER WRITER WAS TER WALTER WAS TER WALTER	N/A
10.6.2.3 WHITE WALTER WHITEK WALTE	RS2 limits (to be superseded, see 10.6.3.3) RS2 is a class 2 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or when the combination of player and listening device is known by other means such as setting or automatic 130 detection, the <i>L</i> Aeq, <i>T</i> acoustic output shall be ≤ 100 dB(A) when playing the fixed "programme simulation noise" as described in EN 50332-1. — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 150 mV (analogue interface) or -10 dBFS (digital interface) when playing the fixed "programme simulation noise" as described in EN 50332-1.	LIE WHITE WH	N/A- N/A-
10.6.2.4	RS3 limits RS3 is a class 3 acoustic energy source that	THE LIFE OUTER OF	N/A
10, 1	exceeds RS2 limits.	The Mr. M. M.	
10.6.3	Classification of devices (new)	the text step si	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



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	EN IEC 62368-1		. A
Clause	Requirement + Test	Result - Remark	Verdic
10000	DOCUMENTS CONTRACTOR OF THE PROPERTY OF THE PR	" " " " " " " " " " " " " " " " " " "	- N/A
10.6.3.2	RS1 limits (new) RS1 is a class 1 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the LAeq, T 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	JUNITER WALTER WALT WALTER WAN	N/A
10.6.3.3	simulation noise" described in EN 50332-1. RS2 limits (new)	THE NITE WITH WITH	N/A
A WALTER ON A STEEL WALTER ON THE WALTER ON	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 where the combination of player and listening device is known by other means such as setting or automatic detection, the weekly sound exposure level, as described in EN 50332-3, shall be ≤ 80 dB when playing the fixed "programme simulation noise" described in EN 50332-1. — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output level, integrated over one week, as described in EN50332-3, shall be ≤ 15 mV (analogue interface) or -30 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN50332-1.	LIEK WHITEK WHIT	united un
10.6.4	Requirements for maximum sound exposure	e at at at	N/A
10.6.4.1	Measurement methods All volume controls shall be turned to maximum during tests. Measurements shall be made in accordance with EN 50332-1 or EN 50332-2 as applicable.	Not such equipment	N/A
0.6.4.2	Protection of persons	or mr. mr. my	N/A
	Except as given below, protection requirements for parts accessible to ordinary persons, instructed persons and skilled persons are given in 4.3. NOTE 1 Volume control is not considered a	EX WRITER WRITER WRITER	unite vali



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	EN IEC 62368-1	11. 70. 2.	
Clause	Requirement + Test	Result - Remark	Verdic
, J.,	The first title to the state again and	y we me m	12.
	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	Whitek whitek whitek	institututit
	instruction manual. Alternatively, the instructional safeguard may be given through the equipment display during use.	THE MULTER WATER WALE	EX WALTER W
	The elements of the instructional safeguard shall be as follows:	A MULTER MULTER MULTER	WAY EX WAY
	- element 1a: the symbol , IEC 60417-6044 (2011-01)	WALTER WALTER WALTER W	UTE MUTE
	 – element 2: "High sound pressure" or equivalent wording – element 3: "Hearing damage risk" or equivalent wording 	WILL MUTEL MUTEL MA	t TEX
	 element 4: "Do not listen at high volume levels for long periods." or equivalent wording 	te unite with with	المال الماليات
	An equipment safeguard shall prevent exposure 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.	Life Mile while whi	on whitek
	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.	ek whitek	TEX OUNTER
	NOTE 2 Examples of means include visual or audible signals. Action from the user is always needed.	Tex mutex mutex mutic	Wille W
	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.	MULTER MULTER MULTER	AN ANTE
iv _{ers} an	A skilled person shall not be unintentionally exposed to RS3.	THE MULTER MULTER WAY	, ILL
10.6.5	Requirements for dose-based systems	et let let let	N/A
10.6.5.1	General requirements Personal music players shall give the warnings as provided below when tested according to EN	Not such equipment	N/A



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21/2 21/	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
_ ``	The feet the title with the title with	" " " " " " " " " " " " " " " " " " "	* * *
	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.	JANLIER WHITER WHITER UNLIER WHITER WHITER LIER WHITER WHITER WHITER WHITER WHITER WHITER	White whitek
WALTER W	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.	While while while while whi	White whitek w
10.6.5.2	Dose-based warning and requirements	t let tet te	N/A
Whitek w	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 acknowledgement. In case the user does not acknowledge, the output level shall automatically decrease to compliance with class RS1.	tree with making our	whitek whitek w
TEK WALT	The warning shall at least clearly indicate that listening above 100 % <i>CSD</i> leads to the risk of hearing damage or loss.	et whitet whitet whi	ek milek mur
10.6.5.3	Exposure-based requirements	4 4	N/A
WALTER WAL	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.	Milet While while while whi	MULTER WILLER
	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.	MUNITER WHITER WHITER	onlier ourlier
	Test of EL functionality is conducted according to EN 50332-3, using the limits from this clause. For equipment provided as a package (player with its listening device), the level integrated over 180 s shall be 100 dB or lower. For equipment provided with a standardized connector, the unweighted level integrated over 180 s shall be no more than	EX WHITE WHITE WHITE	EX THE TEX WHITE

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~.+ <i>i</i>			L 1
Clause	Requirement + Test	Result - Remark	Verdict
Whitek a	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.	while while while	WHITE WHITE
10.6.6	Requirements for listening devices (headphones	, earphones, etc.)	Р
	Corded listening devices with analogue input With 94 dB LAeq acoustic pressure output of the listening device, and with the volume and sound settings in the listening device (for example, built-in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the input voltage of the listening device when playing the fixed "programme simulation noise" as described in EN 50332-1 shall be ≥ 75	TER WALTER WALTER WALTER	Popular Control Contro
	mV. NOTE The values of 94 dB and 75 mV correspond with 85 dB and 27 mV or 100 dB and 150 mV.	TEX MULTER MULTER MULT	EX WITEX W
10.6.6.2	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 level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the LAeq, T acoustic output of the listening device shall be ≤ 100 dB with an input signal of -10 dBFS.	LIFE WHITE	N/A
10.6.6.3 MANUTER OF THE MANUTER OF T	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 ≤ 100 dB with an input signal of -10 dBFS.	JUNITER WHITER WHITER WALTER WALT WALTER WAL	AND THE WINTERS
10.6.6.4	Measurement method Measurements shall be made in accordance with EN 50332-2 as applicable.	Et olist when an	N/A
	00001 2 do appriodo.o.	11. 11. 12.	



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Clause	Requirement + Test	We Alle A	Result - Remark	Verdict

30	odification			V 10	$q_1 = q_2$		
a		use of certain equipment is					Ek Juli
A A	dd the follow	ring note:	t TEX	TIER VILLE	اله عاليان	VILL AVE AL	Р
М	odification	to Clause 1					Р
Aug.			A D		- alle	''') 22.	2 P.L.
* 5	Y.4.5	Note					- E*
ric and	10.6.1	Note 3	F.3.3.6	Note 3	Y.4.1	Note	MULT
, t			Table 39				
INLIE U	8.5.4.2.3	Note	10.2.1	Note 3 and 4 and 5	10.5.3	Note 2	. cl
20,						Note 2	
NITE!	5.6.8	Note 2	5.7.6	Note	5.7.7.1	Note 1 and	CLEX
ans						and 4	Mr.
et de	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3	1
The Mai	5.4.10.2.1	Note	5.4.10.2.2	Note	5.4.10.2.3	Note	Mus
	Table 13						
MALTER	5.4.2.3.2.4	Note 2	5.4.2.5	Note 2	5.4.5.1	Note	الد
7111.			Table 12				
y NITER	5.2.2.2	Note	5.4.2.3.2.2	Note c	5.4.2.3.2.4	Note 1 and 3	TEK
24	3.3.8.3	Note 1	4.1.15	Note	4.7.3	Note 1 and 2	an.
45	0.2.1	Note 1 and 2	1	Note 4 and 5	3.3.8.1	Note 2	- 3



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	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
-24	the state of the s	and while we will	
4.21 LEE WALTER	Add the following new subclause after 4.9: To protect against excessive current, short-circuits and earth faults in circuits connected to an a.c. mains, protective devices shall be included either as integral parts of the equipment or as parts of the building installation, subject to the following, a), b) and c): a) except as detailed in b) and c), protective devices necessary to comply with the requirements of B.3.1 and B.4 shall be included as parts of the equipment; b) for components in series with the mains input to the equipment such as the supply cord, appliance coupler, r.f.i. filter and switch, short-circuit and earth fault protection may be provided by protective devices in the building installation; c) it is permitted for pluggable equipment type B or permanently connected equipment, to rely on dedicated overcurrent and short-circuit protection in the building installation, provided that the means of protection, e.g. fuses or circuit breakers, is fully specified in the installation instructions. If reliance is placed on protection in the building installation, the installation instructions shall so state, except that for pluggable equipment type A the building installation shall be regarded as providing protection in accordance with the rating of the wall socket outlet.	ALTER WALTER WAL	N/A N/A N/A N/A N/A N/A N/A N/A
6	Modification to 5.4.2.3.2.4		N/A
5.4.2.3.2.4	Add the following to the end of this subclause: The requirement for interconnection with external circuit is in addition given in EN 50491-3:2009.	No connection to external circuit.	N/A
7	Modification to 10.2.1		N/A
10.2.1	Add the following to c) and d) in table 39: For additional requirements, see 10.5.1.	INTER MULTER MULTER MULTER	N/A
8	Modification to 10.5.1		N/A



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	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdic
-2,	the state of the s	in the the the	
10.5.1 FE	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	SUNLIER WHITER WHITER WHITER STER WHITER WHITER WHITER WHITER STER WHITER	N/A
	 1 h, at the end of which the measurement is made. NOTE Z1 Soldered joints and paint lockings are examples of adequate locking. The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the apparatus. 	Whitek whitek whitek whitek	MULTER MULTER
	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.	THE WALTER WALTER WALTER WALTER	ek whitek
	For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level.	The same street	CLIEK
or so	NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996.	in the the the	et .
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.	Whitek whitek white	N/A
10	Modification to Bibliography		N/A



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EN IEC 62368-1					
Clause	Requirement + Test	ur mr	Result - Remark	Verdict	

7,	The set of the second s	4, 4,
IN STEP	Add the following notes for the standards indicated:	ST PS
	IEC 60130-9 NOTE Harmonized as EN 60130-9. IEC 60269-2 NOTE Harmonized as HD 60269-2. IEC 60309-1 NOTE Harmonized as EN 60309-1. IEC 60364 NOTE some parts harmonized in HD 384/HD 60364 series. IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4. IEC 60664-5 NOTE Harmonized as EN 60664-5. IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified). IEC 61508-1 NOTE Harmonized as EN 61508-1. IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1. IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4. IEC 61643-1 NOTE Harmonized as EN 61658-2-6. IEC 61643-1 NOTE Harmonized as EN 61643-1. IEC 61643-311 NOTE Harmonized as EN 61643-311. IEC 61643-321 NOTE Harmonized as EN 61643-321. IEC 61643-331 NOTE Harmonized as EN 61643-331.	EX WALTER WILLER WALTER WALTER WALTER WALTER TEN WALTER TEN WALTER TEN TEN TEN TEN TEN TEN TEN
11	ADDITION OF ANNEXES	
ZB 🎺	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)	J P
	To the end of the subclause the following is added: Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socketoutlet. The marking text in the applicable countries shall be as follows: In Denmark: "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til stikproppens jord." In Finland: "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan" In Norway: "Apparatet må tilkoples jordet stikkontakt" In Sweden: "Apparaten skall anslutas till jordat uttag"	TEX WALTER WALTER
4.7.3 TOTAL THE TANK	United Kingdom To the end of the subclause the following is added: The torque test is performed using a socket-outlet complying with BS 1363, and the plug part shall be assessed to the relevant clauses of BS 1363. Also see Annex G.4.2 of this annex	N/A

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	EN I	EC 62368-1	
Clause	Requirement + Test	Result - Remark	Verdict

Clause	Requirement + Test	Result - Remark	Verdict
4,	the state of the state of	the way were	10, 0,
5.2.2.2	Denmark After the 2nd paragraph add the following: A warning (marking safeguard) for high touch current is required if the touch current exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	No high touch current measured.	N/A
5.4.11.1 and Annex G	Finland and Sweden To the end of the subclause the following is added: For separation of the telecommunication network from earth the following is applicable: If this insulation is solid, including insulation forming part of a component, it shall at least consist of either • two layers of thin sheet material, each of which shall pass the electric strength test below, or • one layer having a distance through insulation of at least 0,4 mm, which shall pass the	No TNV circuits.	N/A
	electric strength test below. If this insulation forms part of a semiconductor component (e.g. an optocoupler), there is no distance through insulation requirement for the insulation consisting of an insulating compound completely filling the casing, so that clearances and creepage distances do not exist, if the component passes the electric strength test in accordance with the compliance clause below and in addition • passes the tests and inspection criteria of 5.4.8	LIET WHITE W	ine whitek white
	 with an electric strength test of 1,5 kV multiplied by 1,6 (the electric strength test of 5.4.9 shall be performed using 1,5 kV), and is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5 kV. 	WALTER WALTER WALTER WALTER	EK WALTEK
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2. A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions: • the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3	ANTER WHITER WHITER WAS	TE WALTER WALTER AND TER WALTE

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h	EN IEC 62368-1	mr mr mr m	70
Clause	Requirement + Test	Result - Remark	Verdict
WALTER	testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;	AUNTER ANTER AUTER AN	ir danir
	 the additional testing shall be performed on all the test specimens as described in EN 60384- 14; 	MALIER WALLER WALLER WHITE	WALTER
ich ien	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.	street united white unit	
5.5.2.1	Norway	ier reter white when w	N/A
	After the 3rd paragraph the following is added:	. At let lift is	EL MLIEN
W. C	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	The Let The Mile And	t alter
5.5.6	Finland, Norway and Sweden	No such resistors.	N/A
	To the end of the subclause the following is added:	TEX WATER WATER	MUTTER AN
	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.	A MATER WATER WATER WA	ek orver
5.6.1	Denmark	No such equipment.	N/A
	Add to the end of the subclause Due to many existing installations where the socket-outlets can be protected with fuses with higher rating than the rating of the socket-outlets the protection for pluggable equipment type A shall be an integral part of the equipment. Justification:	NITE WHITE WHITE WHITEK	WALTER WAL
Mr.	In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	MULLER MULLE MULL MULL	(W.
5.6.4.2.1	Ireland and United Kingdom	Approved mains plug used	N/A
NITEK WILL	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.	(see appended table 4.1.2)	ovi strek ovi
5.6.4.2.1	France	e intit with whit wi	N/A
untitek v	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.	JEK STEK STEK WILLER	EX MULTER
5.6.5.1	To the second paragraph the following is added:	10 20 24 24	N/A
	The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is: 1,25 mm ² to 1,5 mm ² in cross-sectional area.	TEK WHITEK WHITEK WHITEK	it's write



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Clause	Requirement + Test	Result - Remark	Verdict
Oladoc	Trequirement 1 rest	result remain	Volume
5.6.8 FE	Norway To the end of the subclause the following is added: 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.	JUNITER WHITER WHITER WHITER	N/A
5.7.6 WINTER	Denmark To the end of the subclause the following is added: The installation instruction shall be affixed to the equipment if the protective conductor current exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	No high protective conductor current.	N/A
5.7.6.2	Denmark To the end of the subclause the following is added: The warning (marking safeguard) for high touch current is required if the touch current or the protective current exceed the limits of 3,5 mA.	INTE WALL WALLER WALLER	
5.7.7.1 Whitek white Whitek whitek white Whitek whitek white Whitek white Whitek	Norway and Sweden 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. 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. 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: "Apparatus connected to the protective earthing of the building installation through the mains connection or through other apparatus with a connection to protective earthing —	Not such system.	N/A WALTER W
	and to a television distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a television distribution system therefore has to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11)"	NLIEK WHITEK WHITEK WHITEK	MALTER OF



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Clause	Requirement + Test	Result - Remark	
Olause	requirement i rest	Result Remark	Verdic
WALTER WALTER WALTER WALTER WALTER WALTER WALTER	NOTE In Norway, due to regulation for CATV-installations, and in Sweden, a galvanic isolator shall provide electrical insulation below 5 MHz. The insulation shall withstand a dielectric strength of 1,5 kV r.m.s., 50 Hz or 60 Hz, for 1 min. Translation to Norwegian (the Swedish text will also be accepted in Norway): "Apparater som er koplet til beskyttelsesjord via nettplugg og/eller via annet jordtilkoplet utstyr – og er tilkoplet et koaksialbasert kabel-TV nett, kan forårsake brannfare. For å unngå dette skal det ved tilkopling av apparater til kabel-TV nett installeres en galvanisk isolator mellom apparatet og kabel-TV nettet." Translation to Swedish: "Apparater som är kopplad till skyddsjord via jordat vägguttag och/eller via annan utrustning och samtidigt är kopplad till kabel-TV nät kan i vissa fall medföra risk för brand. För att undvika detta skall vid anslutning av apparaten till kabel-TV nät galvanisk isolator finnas mellan apparaten	AND TEK WHITEK	WALTER WALTER MITTER WALTER JUNE WALTER WAL
3.5.4.2.3	och kabel-TV nätet." United Kingdom 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	No external circuits.	N/A
t with	required where there is a risk of personal injury.		- 4 S
B.3.1 and B.4	Ireland and United Kingdom 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	Whitek	N/A
G.4.2		21/2. 20. 20.)	N1/0
J.4.2 JALI JANI JEEK JANIEK WALTEK	Denmark To the end of the subclause the following is added: Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011.	NITER WHITER WHITER WHITER	N/A



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	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
- 73	· * A Et Alt MIN ON	in with the	10, 20,
MILITER OF	CLASS I EQUIPMENT provided with socket- outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	WALTER WALTER WALTER WAL	ALTE WALTER
	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.	LIET WHITEK WHITEK WHITEK	MALIE WALLEY
	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.	united whited whited white	ex writex
	Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c.	TEX WHITEK WHITE WHITE	our it our
	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	white white white whi	Y WHITEK
	Justification:	THE LIE WITH MIT	TO THE ST
	Heavy Current Regulations, Section 6c	V. 20, 20, 20	J.
G.4.2	United Kingdom	Direct plug-in equipment	N/A
k MALTER	To the end of the subclause the following is added:	LIET SLIET WIFE	NLTE WALTE
	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.	united whited whited whited	EK WALTER



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EN IEC 62368-1				
Clause	Requirement + Test	ur mr	Result - Remark	Verdict

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	t at let get with mi	in the same	
G.7.1 TEE	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	Direct plug-in equipment	N/A
G.7.1	conversion plug. 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 which is equivalent to the relevant Irish Standard	Direct plug-in equipment	N/A THE WALTER WHITE WHITE
G.7.2	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 and up to and including 13 A.	Direct plug-in equipment	N/A
ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)	The My the	N/A
	Germany The 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:	No CRT within the equipment.	



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Mrite m	The the the	EN IEC 62368-1	WILL MILLER WALLER WA	The Maria Maria
Clause	Requirement + Test	Mur Mur An	Result - Remark	Verdict

LIFE	IEC and CENELEC CODE DESIGNATIONS F	OR FLEXIBLE O	CORDS (EN)	N/
F 5	Type of flexible cord	Code de	signations	N/
ier an		IEC	CENELEC	WINL
÷ .6	PVC insulated cords	1		TEN.
Mer	Flat twin tinsel cord	60227 IEC 41	H03VH-Y	
WALTER.	Light polyvinyl chloride sheathed flexible cord	60227 IEC 52	H03VV-F H03VVH2-F	STER J
LIEK W	Ordinary polyvinyl chloride sheathed flexible cord	60227 IEC 53	H05VV-F H05VVH2-F	-1/1/2 ²
et s	Rubber insulated cords			
21/2	Braided cord	60245 IEC 51	H03RT-F	SIL
- CLIEN	Ordinary tough rubber sheathed flexible cord	60245 IEC 53	H05RR-F	LIEK
20	Ordinary polychloroprene sheathed flexible cord	60245 IEC 57	H05RN-F	
MITER	Heavy polychloroprene sheathed flexible cord	60245 IEC 66	H07RN-F	3 600
LET .	Cords having high flexibility			4
r, 24	Rubber insulated and sheathed cord	60245 IEC 86	H03RR-H	211/2
* J.	Rubber insulated, crosslinked PVC sheathed cord	60245 IEC 87	H03 RV4-H	TITE!
1111	Crosslinked PVC insulated and sheathed cord	60245 IEC 88	H03V4V4-H	
MILITE	Cords insulated and sheathed with halogen- free therm oplastic compounds			
VILLER A	Light halogen-free thermoplastic insulated and sheathed flexible cords		H03Z1Z1-F H03Z1Z1H2-F	in.
LEK WILL	Ordinary halogen-free thermoplastic insulated and sheathed flexible cords		H05Z1Z1-F H05Z1Z1H2-F	WALT



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EN IEC 62368-1				
Clause	Requirement + Test	ur mr	Result - Remark	Verdict

5.2 TABLE: Classification of electrical energy sources							P
Supply	Location (e.g. Test Parameters					ES Class	
Voltage	circuit designation)	conditions	U (V)	I (mA)	Type ¹⁾	Additional Info ²⁾	
LITE WALT	The EUT is	Normal	<60Vdc	. Tek	SS	e sin elle se	Will M
5.0Vdc	designed to be supplied by	Abnormal	70° 410°	m_ 1		7.	ES1 (declare)
charging port	1 S. All	Single fault	the Tilly	aliek jai	SE MALLE	mei - m	(400,410)
TEK	The EUT is	Normal	<60Vdc	X	SS	18 - TE	t liter
4.2Vdc	designed to be supplied by	Abnormal	1012ET 101	To This	11/15 1		ES1
UNLIER WILLE	Internal Li-ion battery	Single fault	TEX OUT	y INTEK	INLIEK UNI	ER MILIER	(declare)

5.4.1.8	.1.8 TABLE: Working voltage measurement					
Location		RMS voltage (V)	Peak voltage (V)	Frequency (Hz)	Commer	nts
7 4		14 4 W		-	, , , , , , , , , , , , , , , , , , ,	
Supplemen	ntary information:					

5.4.1.10.2	TABLE: Vicat softening temperature of thermoplastics				N/A	
Method			:	ISO 306 / B50	at A	_
Object/ Par	t No./Material	Manufacturer/trademark	-	Thickness (mm)	T softenii	ng (°C)
- LIFEY IN	LIER WALTER WALTE	muri muri m	L	at at :	ret tret	CLIER .
Supplementary information:						
ALTE MALT	MULL MULL	in an it les		TEK LIEK NIE	MITER OF	Life Whi

5.4.1.10.3 TABLE: E	all pressure test of thermopla	estics	TEX LIFE OF	N/A
Allowed impression dia	meter (mm)	<u>\leq</u>	2 mm	- k
Object/Part No./Materia	l Manufacturer/trademark	Thickness (m	nm) Test temperature (°C)	Impression diameter (mm)
Maria Mur. Mur.	The table to the table	LIFE'S CALL	JER MITER MILITE	anti nati N
Supplementary information	tion:			



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Mrs. Chr.	The the state	EN IEC 62368-1	UNLIE WALLE WALLE WALLE	Ang. An
Clause	Requirement + Test	We want	Result - Remark	Verdict

5.4.2, 5.4.3 TABLE: Minimum Clearances/Creepage distance										
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)		
TEX STEX- WITH WITH	White	11/2/17	Mer	4,-		jt - 16	- 304	ان المالا		
Supplementary information:										

5.4.4.2 TABLE: Minimum distance through insulation									
Distance the (DTI) at/of	nrough insulation	Peak voltage (V)	Insulation	Required DTI (mm)	Measured DTI (mm)				
CLIEK OF	LIE WALTE WALT	Mer. offer m.	J+ J+	TEX TEX	J.TEN	INCTER ON			
Supplemer	ntary information:								

5.4.4.9 TABLE: Solid insulation at frequencies >30 kHz											
Insulation	material	E _P	Frequency (kHz)	K _R	Thickness d (mm)	Insulation	V _{PW} (Vpk)				
MILIE	on the second	Y F A	n	# _E	(MI ^{ME} NI	LIE WILL				
Suppleme	ntary information:										

5.4.9 TABLE: Electric strengt	h tests		N/A
Test voltage applied between:	Voltage shape (Surge, Impulse, AC, DC, etc.)	Test voltage (V)	Breakdown Yes / No
Functional:	WILL MIL MIL MIL MIL	24, 20,	at at
Marin Marin American	A THE LITTER SILTER	INLIE WALTER WA	7 100
Basic/supplementary:	White Mr. Mr. Mr.	A St S	et let
to my my my	THE STEP WITE WITE	Write Murrey	20/2 - 20/2
Reinforced:	NO AN AN AN	CENT TEN TEN	MLTER MALTE
The state of the state of	EK WILL MULL AND ON	24, 24,	T - 7+
Routine Tests:	at the set set	F SLIER WITER	NITE WALTE
- Let Tex Tex STEX WITE	Murra Aura Aura Aura		d =d
Supplementary information:			

Ŋ	5.5.2.2	TABLE:	ABLE: Stored discharge on capacitors								
S	Location		Supply voltage (V)	Operating and fault condition 1)	Switch position	Measured voltage	E	S Class			



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mrs mr	Ang.	- 111 - 111	EN IEC 62	2368-1	LTER	White.	oncia.	ne m
Clause	Require	ment + Test	ing any	F	Result - Re	emark	LIEN O	Verdict
		+ +	let tet .	NETE SPET	ML	0/51		
All - A	· · · · ·			1 4		(Vpk	3)	~63/
"		A 15 1	y 56 3	and a	211/2	10 10-	- 1	
Supplement	ary infor	mation:						
X-capacitors Solution		d for testing: rating:	MALTER MALTER	unitek uni	iek mari	ek muliek	UNITEK ON	ALTEK WA
	12	mer in a	, 20,		t set	100 THE SILE	The Marie	
5.6.6	TABLE	: Resistance of pr	,					N/A
Location			Test current (A)	Duration (min)		Voltage dro (V)	p Re	sistance (Ω)
MLTER	C. Carlo	mer me	1/1,		at s	SEK TIEK	C. TER	الله المتأثرة
Supplement	ary inforr	nation:						
nere when	Me	m. m.	ar at	JEK J	ek nije	ان ^{کارات} ریا	Vrie M	ir, wir
et et	CEX	NIET WIELDS	ute and a	120	-0.		, , ,	*
5.7.4	TABLE	E: Unearthed acce	ssible parts	TEN JEN	SOLITER	Will all	. aur	N/A
Location	J. P. D.	Operating and fault conditions	Supply	Parameters				ES class
Mrs. M		Tault Conditions	Voltage (V)	Voltage (V _{rms} or V		Current F (A _{rms} or A _{pk}) (Class
with white	1/1,	27, - 2,	A - 16th	JEK CI	JE	WILL .	11/12 - 1	10 10 m
Supplement	ary inforr	mation:	Will All .	71, 73,			Alt .	CENT STE
411	24	* *	LEY LIFE O	LITE" MITE	White	Mr. M.	10	24
et Jet	CITIE .	WILE MULLE MU	2 20 0		, t	At A	ik de	Liter
5.7.5	TABLE	E: Earthed access	ible conductive	part			11/1	N/A
Supply volta	ige (V)		70, 2.	- 4	LET .	TEX JEK	CUER	
Phase(s)	<u>,</u>	t	[] Single Phase	; [] Three F	Phase: [] I	Delta [] Wy	е	
Power Distr	ibution S	ystem:	□ TN □] TT (IT N	IN THE W	10-17	
Location			Fault Condition 60990 clause 6		Touch cu (mA		Comme	ent
t let	JEK .	LIER WILL AND	and an	-211	10,	at di	+ 764	TEN.
Supplement	ary Infor	mation:						
WELL W	EF AND	WALL WALL	211, 211,	1,	*	et set	CIEN	CLIER OF
24 24		, 4	LET LET	Jo o	V 100	· ale	211. 1	4, 2,,

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		
- 2n 2	4	at Test	THE NUTER WAY	Er Walte	Will Aur.	mr - m	, <u>, , , , , , , , , , , , , , , , , , </u>		



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me m	- 211 - 21 - 12t	EN IEC 62368-1	WILL MULL MULL MULL	24, 24,
Clause	Requirement + Test	Mur Mur A	Result - Remark	Verdict

Supplem	entary	y info	rmation:										
7,11	20.		4	,t	 18th	18th	MALTE	William	The.	Me	2/1	20,	

6.2.2 T	ABLE: Power source	circuit classific	ations			Р	
Location	Operating and fault condition	Voltage (V)	Current (A)	Max. Power ¹⁾ (W)	Time (S)	PS class	
24. 4	Normal condition	2.98	1.65	4.92	3s	- 111	
ANTIEK MUT	Signal fault (U1 Pin2-5 SC)	0*	0*	THE ON THE	38 00	ek whilek	
Battery output pin + to -	Signal fault (Q2 Pin1-3 SC)	0*	0*	0*	3S, 500	PS1	
	Signal fault (output pin + to - SC)	white white	TEK O* LIEK	uni O* uni	38		
Cell output pin + to -	Normal condition	3.18	3.10	9.85	38	PS1	

Supplementary information:

Abbreviation: SC= short circuit

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

6.2.3.1	6.2.3.1 TABLE: Determination of Arcing PIS							
Location		Open circuit voltage after 3 s (Vpk)	Measured r.m.s current (A)	Calculated value	Arcing PIS? Yes / No			
-11-1- 11V	10 10		it nitet miter	WHILE MALL WAL	Mr. M			
Supplement	ary information:							
1. 20	A 1/4	TEX TEX MITER	WALTE WALTE W	ur wer we	70. 20.			

6.2.3.2	TABLE: Deter	mination of resistive PIS	THE WALL MAY MAN	N/A
Location		Operating and fault condition	Dissipate power (W)	Arcing PIS? Yes / No
- LITER IN	LIER WALTE WAL	Mur An - A	at the out of	TEN TEN
Supplemer	ntary information:			
LIE WALL	AULT AUG	an et let	TEX LIEX OUTER WAITE	white one

¹⁾ Measured after 3 s for PS1

W

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mi, m	All the state of	EN IEC 62368-1	MULLE MULLE MULLE M	7 My 20
Clause	Requirement + Test	We are	Result - Remark	Verdict

8.5.5	TABLE: High p	ressure lamp		L TEX STEX	N/A
Lamp manu	ufacturer	Lamp type	Explosion method	Longest axis of glass particle (mm)	Particle found beyond 1 m Yes / No
-UEL OUT	EX JULIER WALL	Mury Mr. Mr.	**	at the	Et STEE
Supplemen	tary information:	·			
TER OUTE	MALL MALL	Mr. Mr. M.	st set s	et itek ite	nute and

9.6	TABLE	E: Temper	ature meas	surement	s for wirele	ess power	transmitte	rs	N/A	
Supply vol	Itage (V).			:	William Will	. The	24. 1	2	_	
Max. trans	smit powe	r of transm	itter (W)	:	Et NIE	L WIFE	WILLEY WY	Le Mir	_	
			eiver and contact		eiver and contact	with receiver and at distance of 2 mm			with receiver and at distance of 5 mm	
Foreign	objects	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	
	- C ⁴	نام = ال	~ - ``\	100	"	2.00	1	P. E.F.	Et JEt	
Supplementary information:										
JEH N	LIEN IN		6.1	3 (it ste	CLITER I	

5.4.1.4, 9.3, B.1.5, B.2.6	ABLE: Tempe	erature me	asureme	nts	itek ani	iek wai	EK WALTEK W	NIET PALT
Supply voltage ((V)		:	See below	See b	elow	See below	_
Ambient temper	Ambient temperature during test T_{amb} (°C) :				25.	0.00	25.0	_
Maximum measured temperature <i>T</i> of part/at:			rt/at:			Allowed T _{max} (°C)		
Life while while whe will the tiles in			SEEK AUST	Condition 1: (5Vdc):	Condit (4.2V	2 · · ·	Condition 3: (5Vdc):	unite uni
DC input terminal				31.3	30.8		33.5	70
PCB near IC1	t dit .	TEX JE	NATE	35.2	31.2 39.4		130	
PCB near IC2	Mr. M.	The state of the s		33.2	35.5		36.3	130
Battery body	TEX IT	ALTER .	anti .	27.7	34.	6	29.2	For ref.
Battery lead wire	911	-24,	et-	26.8	32.	0	27.7	80
Plastic enclosur	e inside near	battery	ver in	26.8	28.	2	27.7	For ref.
Plastic enclosure outside near battery			. Ł . K	26.3	26.1		27.0	77
Ambient	EK NITER N	NITE MINIT	7/1	25.0	25.	0	25.0	EX - TEX
Temperature T	of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	$R_2(\Omega)$	T (°C	Allowed	Insulation

Waltek Testing Group Co., Ltd. http://www.waltek.com.cn



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21/2 24	N A A B	N IEC 62368-1	10, 10,
Clause	Requirement + Test	Result - Remark	Verdict

4						T _{max} (°C)	class
- 411 21	th - 12th	CT THE	LIEK NIT	Marin.	Mr.	n m.	

Supplementary information:

- 1. Tma should be considered as directed by appliable requirement.
- 2. Tma is not included in assessment of Touch Temperatures (Clause 9).
- 3. The temperatures were measured under worst case normal mode as described in B.2.5 at voltages as above.
- 4. With a specified maximum ambient temperature and test temperature of 25 °C.
- 5. Condition 1: Only charge with internal empty battery.
 - Condition 2: Only discharge with internal fully battery.
 - Condition 3: Charge while working mode with internal empty battery.

B.2.5	TABI	LE: Input	test	141 T	12. 12.		t let	TEP TEP NO
U (V)	Hz	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status
5.0Vdc ¹⁾	57 <u>4</u> 57 <u>4</u> 34	0.68	4	3.40	White hi	Whi.	ing sun intif	Only charge with internal empty battery. Battery charge current: 0.079A
4.2Vdc ²⁾	MULL MULL VI	0.041	MUTER V	0.17	SLITER WALTER WAS	NET WALES SEE WHETES LIES	whilet w	1/8 of max. non- clipped output power with 1KHz signal Battery discharge current: 0.041A
5.0Vdc ³⁾	TEK V L VM V	0.70	TEK UN * TEK	3.50	unitek unitek un	united uni	ex punifex	1/8 of max. non- clipped output power with 1KHz signal Battery charge current: 0.083A

Supplementary information:

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

- 1) Only charge with internal empty battery.
- 2) Only discharge mode with internal battery fully charged,
- 3) Charge while working mode with internal empty battery.



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mry and	Any Any Any	EN IEC 62368-1	WILLES MILLE ANTIC AN	711-71
Clause	Requirement + Test	We are an	Result - Remark	Verdict

	BLE: Abnormal					TEX TEX NOT PLY
Ambient tempera	ture T _{amb} (°C)			:	25°C, if r	not specified —
Power source for	EUT: Manufactu	rer, model/	type, outp	utrating:	TEX.	LIER MLIER MILIER —
Component No.	Condition	Supply voltage (V)	Test time	Fuse no.	Fuse current (A)	Observation
Condition 3: Cha	rge while working	mode with	n internal e	empty batter	ry.	
Speaker	MULTER MALTER MA	5.0Vdc	1hrs 6mins	ek waitek waitek waitek waite waite waite	WALTER WALTER	Plastic enclosure outside near battery:26.0℃. Ambient:25.0℃. The SC speaker has no output. No damage, no hazard. Recoverable. No higher temperature rise exceeding its limit occurred. Battery discharge current(A) 0.083→0.047
Speaker	100% of max. non-clipped output power	5.0Vdc	1hrs 36mins	den in de la companya	LIFE WALTER	Plastic enclosure outside near battery:26.9°C. Ambient:25.0°C. Unit working normally. No damage, no hazard. No higher temperature rise exceeding its limit occurred. Battery discharge current(A) 0.083
Condition 2: Only	discharge mode	with intern	al battery	fully charge	ed,	s at at at
Speaker	SC WALLEY	5.0Vdc	1hrs 6mins	White	INCIDE OUNGER	Plastic enclosure outside near battery:26.0°C. Ambient:25.0°C. The SC speaker has no output. No damage, no hazard. Recoverable. No higher temperature rise exceeding its limit occurred. Battery discharge current(A) 0.041→0.027
Speaker	100% of max. non-clipped output power	5.0Vdc	1hrs 36mins	unit v rife t rek mifet	EK JUNITER	Plastic enclosure outside near battery:26.9 °C. Ambient:25.0 °C. Unit working normally. No damage, no hazard. No higher temperature rise

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mile m	in the same of	EN IEC 62368-1	WILLER WHITE AND THE AND	in min m
Clause	Requirement + Test	We Ave Ave	Result - Remark	Verdict

		t st	Alt .	نام. الأكالي	110	Mr. Mr. M.
H WILLER WALLE	White whis	uni v	itek nit	ek walife	WALTER	exceeding its limit occurred. Battery discharge current(A): 0.041
Condition 1: Only of	charge mode w	ith internal e	empty batt	ery	et	TEX STEE SITE MILES
IC3 Pin 4-5	SC	5.0Vdc	7hrs	WALTET.	unis uni	Unit shut down immediately. No damage, no hazard. Recoverable. Battery charge current(A): 0.079→0.001
IC1 Pin1-6	SC	5.0Vdc	7hrs	itek Mitek	WALTER	Unit shut down immediately. No damage, no hazard. Recoverable. Battery charge current(A): 0.079→0.001
NTC	SC /	5.0Vdc	7hrs	un <u>it</u> ek u	ALTEK NIT	Unit shut down immediately. No damage, no hazard. Recoverable. Battery charge current(A): 0.079→0.001
Condition 2: Only	discharge mod	le with interr	nal battery	fully charg	jed	at the title title
IC3 Pin 4-5	SC	4.2Vdc	7hrs	TER MITE	White	Unit shut down immediately. No damage, no hazard. Recoverable. Battery charge current(A):0.041→0.001
R3	SC-	4.2Vdc	7hrs	WATER W	LIE NATE	Unit shut down immediately. No damage, no hazard. Recoverable. Battery charge current(A):0.041→0.001
IC2 Pin6-8	SC	4.2Vdc	7hrs	EK WILTER	WINITER.	Unit shut down immediately. No damage, no hazard. Recoverable. Battery charge current(A):0.041→0.001
IC2 Pin6-5	SC	4.2Vdc	7hrs	nurer An	TEK WILL	Unit shut down immediately. No damage, no hazard. Recoverable. Battery charge current(A):0.041→0.001

Supplementary information:

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

1) S-C: Short-circuited;

- 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.



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11/13 21	to the the	EN IEC 62368-1	WALTER WALTER WALTER WAS	The Chi
Clause	Requirement + Test	ing him in	Result - Remark	Verdict

M.3	-0,	otection circu		٠ ٠	- T	ithin	the equ	uipment	P	
Is it possible t	o install the l	oattery in a rev	erse polarity po	osition?	;gl		100		_	
				Cł	nargii	ng				
Equipment Specification			Voltage (V)					Current (A)		
			5.0	LIEN .	JUT E	''	ie. m	LIE WILL	ane an	
				Battery	spec	ification	on			
		Non-recharge	able batteries			Rech	argeab	e batteries		
		Discharging	Unintentional	(Char	ging		Discharging	Reverse	
Manufactu	urer/type	current (A)	charging current (A)	Voltage	(V)	Current (A)		current (A)	charging current (A)	
Shenzhen Baijiaying Technology Co.,Ltd. / PL502030PL		EK WATER W	THE WIFE	4.2 0.).1	0.1	MATTER MAT		
Note: The test	s of M.3.2 ar	e applicable on	ly when above	appropria	ate da	ata is	not avai	lable.		
Specified batt	ery temperat	ture (°C)		<u> </u>	: <u>.</u>	NET	West C	-45		
Component No.	Fault condition	Charge/ discharge mo	Test time	Temp.		rrent A)	Voltag (V)	e Obse	rvation	
Speaker	Max.non- clipped output power	Discharge	The There	MUTER A	0.04		4.2	Norma	l woking	
TEX MITER									shutdown nediately. verable. No	
IC1 Pin 1-6	SC	Charge	7h	nuite nuite	0.0	001	4.2	imme Recove	diately. rable. No	

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



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11/13 21	to the the	EN IEC 62368-1	WALTER WALTER WALTER WAS	The Chi
Clause	Requirement + Test	ing him in	Result - Remark	Verdict

M.4.2 TABLE: battery	Charging sat	feguards for	equipment co	ontaining a seco	ondary lithium	PITE
Maximum specified ch	narging voltage	e (V)		: 4.2	TEX TEX	_
Maximum specified ch	narging current	(A)		: 0.1	my my	
Highest specified char	rging temperat	ure (°C)		: 45	ALTER WITER	
Lowest specified char	ging temperatu	ure (°C)		: 0	3 4	
Battery	Operating		Measureme	nt	Observat	ion
manufacturer/type	and fault condition	Charging voltage (V)	Charging current (A)	Temp. (°C)		
Lowest specified charg	ging temperatu	re: 0°C.	Mr. Mr.	10 1 Nr	at let	TEX
Shenzhen Baijiaying Technology Co.,Ltd. / PL502030PL	Normal	4.20	0.011	Battery temperature: 0.2°C	The battery charging current decreases	
ex whitex whitex w	Abnormal-	4.20	0.011	Battery temperature: 0.2°C	The battery cha	
	Single fault – (R1 SC under condition 1)	4.20	0.001	Battery temperature: 0.2°C	The battery cha	
Highest specified char	ging temperatu	ire: 45°C.	ITER INTER	WILL MULL	1672 Mer 21	. 4
Shenzhen Baijiaying Technology Co.,Ltd. / PL502030PL	Normal	4.20	0.001	Battery temperature: 46.1°C	The battery cha	
TEX LIEX SUIT	Abnormal-	4.20	0.001	Battery temperature: 46.1°C	The battery cha	
	Single fault - (R1 SC under condition 1)	4.20	0.001	Battery temperature: 46.1°C	The battery cha	

Supplementary information:

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



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21/2 21	- A - A	EN IEC 62368-1	WILL MULL MULL MI	ir m. m.
Clause	Requirement + Test	W. W. W.	Result - Remark	Verdict

Q.1	TABLE: Circuits inte	TABLE: Circuits intended for interconnection with building wiring (LPS) N/A						
Output	Condition	11 (\/)	Time (s)	I _{sc} (A)		S (VA)		
Circuit	Condition	U _{oc} (V)		Meas.	Limit	Meas.	Limit	
70, 2		er Jer	NITEK NALI	WAL.	21/2 - 21/2	- 40		
Supplemen	tary Information:							

T.2, T.3, T.4, T.5	ABLE: Stea	dy force te	st			TEK SLIEK MLIEK MLIE WALTE
Part/Location	Material	Thicknes s (mm)	Probe	Force (N)	Test Duration (s)	Observation
Internal components (T.2)	MITEL WING	EK ITEK	Figure V.2	10	un'5 un	No reduction the clearances and creepage distances
Enclosure bottom (T.5)	Plastic*	See table 4.1.2	10 3 10 3	250	LIEK 5	No cracking, no damage.
Enclosure top (T.5)	Plastic*	See table 4.1.2	7-11	250	5 LITE	No cracking, no damage.
Enclosure side (T.5)	Wooden*	See table 4.1.2	77	250	5	No cracking, no damage.
Supplementary	y information	1:				

T.6, T.9	TABLE: Impa	ct test		MULT MILL MILL MAN
Location/Part	Material	Thickness (mm)	Height (mm)	Observation
Enclosure bottom (T.6)	Plastic*	See table 4.1.2	1300	No cracking, no damage.
Enclosure top (T.6)	Plastic*	See table 4.1.2	1300	No cracking, no damage.
Enclosure side (T.6)	Wooden*	See table 4.1.2	1300	No cracking, no damage.
Supplementa	ry information:			

T.7	TAE	BLE: Drop test	EX TEX WITE	WALTE WALTE	THE ME ME OF	N/A
Location/part		Material	Thickness (mm)	Height (mm)	Observation	



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min and	And An of	EN IEC 62368-1	WALTER WALTER WALTE WAS	My M
Clause	Requirement + Test	Miles May M.	Result - Remark	Verdict

Enclosure bottom (T.7)	Plastic*	See table 4.1.2	1000	No cracking, no damage.
Enclosure top (T.7)	Plastic*	See table 4.1.2	1000	No cracking, no damage.
Enclosure side (T.7)	Wooden*	See table 4.1.2	1000	No cracking, no damage.
Supplementary in	formation:			

T.8 T	ABLE: Stres	s relief test			in any and and
Location/Part	Material	Thickness (mm)	Oven Temperatur e (°C)	Duration (h)	Observation
Enclosure	Plastic*	See table 4.1.2	70°C	7h	No distortion, no softening, no cracking.

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

X TABLE: Alternati	ve method for determin	ing minimum clearances	s distances N/A				
Clearance distanced between:	Peak of working voltage (V)	Required cl (mm)	Measured cl (mm)				
- 1	EK TEK-NITER WY	ie win win	24. 75. 2.				
Supplementary information:							
at the the the	ALTER WALTER WALL	Mur Mu M.	the state of the				

4.1.2	TABLE: Critical components information					
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾	
Enclosure	FORMOSA CHEMICALS & FIBRE CORPORATION	15E1	Min. HB	UL 94	UL E162823	
PCB	SHENZHEN BOMIN XING ELECTRONIC CO LTD	BMX-08	V-0, 130 °C	UL94, UL796	UL E226252	
Internal wire	Interchangeable	Interchangeable	Min 24AWG WV-1 105°C	UL758	UL WALTER	



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Clause	Requirement + Test	Result - Remark	Verdict		

NTC TELL WILLE	Shenzhenshi Tongtuo Technology Co.,Ltd.	3950	20kΩ+/-10%	IEC/EN IEC 62368-1	Tested with equipment
Rechargeable Li-ion Battery	Shenzhen Baijiaying Technology Co.,Ltd.	PL502030PL	3.7V, 200mAh, 0.74Wh	IEC 62133- 2:2017	Report No.: 18270BC000 86301*
Speaker	Huizhoushi Boyue Acoustics Technology Co.,Ltd.	4015	32Ω/10mW	IEC/EN IEC 62368-1	Tested with equipment

Supplementary information:

Supplementary information:

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

^{*}The Rechargeable Li-ion Battery test by Shenzhen Anbotek Compliance Laboratory Limited



Reference No.: WTF22D07148718Y

Model: MO6350



Photo 1 External view



Photo 2 External view



Reference No.: WTF22D07148718Y

Model: MO6350



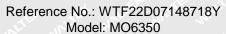


Photo 3 External view



Photo 4 Internal view







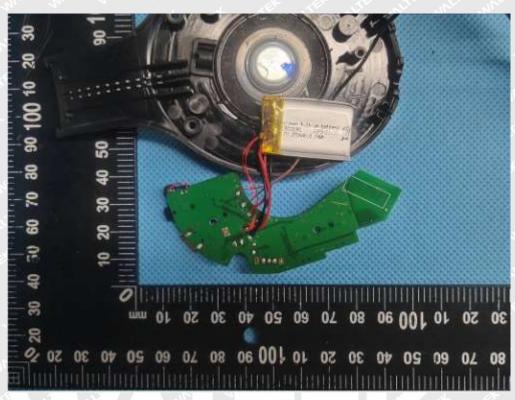


Photo 5 PCB view



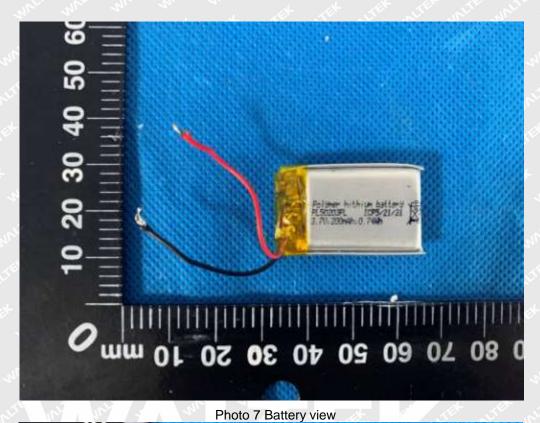
Photo 6 PCB view

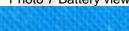


Reference No.: WTF22D07148718Y

Model: MO6350







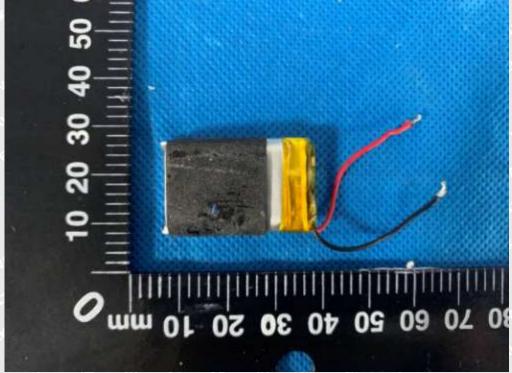


Photo 8 Battery view

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