



TEST REPORT

Refere	nce No	 	WTF22D0	7136434Y

Applicant: Mid Ocean Brands B.V.

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

Hong Kong

Manufacturer..... : 116629

Address : --

Product: ANC headphone and pouch

Model(s).....: MO9920

Total pages : 67 pages and 6 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 : 2022-07-06

Date of Test 2022-07-06 to 2022-07-22

Date of Issue : 2022-07-25

Test Result: Pass

Remarks:

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

Prepared By:

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Compiled by:

Soap Hu/ Project Engineer

oapslu

Sam Qi / Designated Reviewer

Approved by:



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Test item description:	ANC headph	one and pouch
Trademark:	MOB	
Model and/or type reference:	MO9920	
Rating(s):	Input: 5VDC Or powered I	by Li-ion Battery: 3.7V, 500mAh
Remark:		
Whether parts of tests for the product h	ave been sub	contracted to other labs:
☐ Yes	70.	
If Yes, list the related test items and lab	o information:	
Test items: Lab information:		
Summary of testing:	MITELY WA	the supplied that the supplied to
Tests performed (name of test and to	est clause):	Testing location:
- EN IEC 62368-1: 2020+A11: 2020		No. 77, Houjie Section, Guantai Road,
The submitted samples were found to on the requirements of above specification		Houjie Town, Dongguan City, Guangdong, China
Summary of compliance with Nation EU Group Differences ☑ The product fulfils the requirements		
Use of uncertainty of measurement f	for decisions	on conformity (decision rule) :
No decision rule is specified by the applicable limit according to the specified by the spe	e IEC standa	rd, when comparing the measurement result with the at standard. The decisions on conformity are made apple acceptance" decision rule, previously known as
Other: (to be specified, for exampl requirements apply)	e when require	ed by the standard or client, or if national accreditation
	calculated by	the laboratory based on application of criteria given by nethods, decision sheets and operational procedures of

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

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

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customer.

the testing.





Copy of marking plate:



Remark:

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



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TEST ITEM PARTICULARS:	
Product group	⊠end product □built-in component
Classification of use by:	☑ Ordinary person☑ Children likely present☑ Instructed person☑ Skilled person
Supply Connection:	☐ AC mains ☐ DC mains ☐ not mains connected: ☐ ES2 ☐ ES3
Supply % Tolerance:	☐ +10%/-10% ☐ +20%/-15% ☐ +%/% ☑ None
Supply Connection – Type:	□ pluggable equipment type A - □ non-detachable supply cord □ appliance coupler □ direct plug-in □ pluggable equipment type B - □ non-detachable supply cord □ appliance coupler □ permanent connection □ mating connector ☑ other: not Mains connected
Considered current rating of protective device as part of building or equipment installation:	□UK: 13 A; Others: 16 A; Location: □ building □ equipment □ N/A
Equipment mobility	 ☐ movable ☐ hand-held ☐ direct plug-in ☐ stationary ☐ for building-in ☐ wall/ceiling-mounted ☐ SRME/rack-mounted ☐ other:
Over voltage category (OVC):	☐ OVC I ☐ OVC II ☐ OVC III ☐ OVC IV ☐ ovc IV ☐ ovc IV ☐ ovc III
Class of equipment	☐ Class I ☐ Class II ☐ Class III ☐ Not classified ☐ ☐
Access location	N/A ☐ restricted access area ☐ outdoor location ☐
Pollution degree (PD)	□PD 1⊠ PD 2 □ PD 3
Manufacturer's specified maxium operating ambient:	25°C Outdoor: minimum°C
IP protection class	☑ IPX0 □ IP
Power Systems	☐ TN ☐ TT ☐ ITV L-L ☐ not AC mains
Altitude during operation (m)	
Altitude of test laboratory (m)	⊠ 2000 m or less □ m
Mass of equipment (kg)	⊠0.24kg



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	The state of the s
- test case does not apply to the test object	: N/A
- test object does meet the requirement	: P (Pass)
- test object does not meet the requirement	: F (Fail)
TESTING:	The The Table
Date of receipt of test item	: 2022-07-06
Date (s) of performance of tests	: 2022-07-06 to 2022-07-22
	THE THE STEEL STEEL AND SHAPE
"(see Enclosure #)" refers to additional information "(see appended table)" refers to a table appended to	
	to the report.
"(see Enclosure #)" refers to additional information "(see appended table)" refers to a table appended to Throughout this report a □ comma / ⋈ point is	to the report. s used as the decimal separator. headphones.



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



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ENERGY SOURCE DIAGRAM

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

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

See details in OVERVIEW OF ENERGY SOURCES AND SAFEGUARDS

MATERIE





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in an		IEC62368-1	
Clause	Requirement – Test	Result – Remark	Verdict

	The	THE THE STATE OF T	" OLO
4	GENERAL REQUIREMENTS		P
4.1.1	Acceptance of materials, components and subassemblies	(See appended table 4.1.2)	W P
4.1.2 united	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	OME POU
4.1.3	Equipment design and construction	Equipment is adequately designed and constructed.	P
4.1.4	Specified ambient temperature for outdoor use (°C)	Indoor use only	N/A
4.1.5	Constructions and components not specifically covered	No such constructions and components.	N/A
4.1.8	Liquids and liquid filled components (LFC)	No such parts.	N/A
4.1.15	Markings and instructions	(See Annex F)	Р
4.4.3	Safeguard robustness	See below	P
4.4.3.1	General	- 1 m	Р
4.4.3.2	Steady force tests	(See Annex T.2and T.4)	LITE PAI
4.4.3.3	Drop tests	(See Annex T.7)	Р
4.4.3.4	Impact tests	of the tiet alter in	N/A
4.4.3.5	Internal accessible safeguard tests	No such parts.	N/A
4.4.3.6	Glass impact tests	No such glass used.	N/A
4.4.3.7	Glass fixation tests	No such parts.	N/A
The Auto	Glass impact test (1J)	LIER OLIER WILL WHILE	N/A
et et	Push/pull test (10 N)		N/A
4.4.3.8	Thermoplastic material tests	(See Annex T.8)	Р
4.4.3.9	Air comprising a safeguard		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, 4.4.3.8, no safeguard damaged.	WP MATER
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	at at at 1st .	TEN PITE
4.5.1	General	No explosion occurs during normal/abnormal operation and single fault conditions	P



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	IEC62368-1	C 2112 M 22	
Clause	Requirement – Test	Result – Remark	Verdict
4.5.2	No explosion during normal/abnormal operating condition	(See Clause B.2, B.3)	Р
TEX N	No harm by explosion during single fault conditions	(See Clause B.4)	Р
4.6	Fixing of conductors	See below	Р ,
EX STE	Fix conductors not to defeat a safeguard	at let let cret	OF P
40.	Compliance is checked by test	(See Clause T.2)	Р
4.7	Equipment for direct insertion into mains socke	et-outlets	N/A
4.7.2	Mains plug part complies with relevant standard	Not direct plug-in equipment.	N/A
4.7.3	Torque (Nm)	THE THE STEE WITE	N/A
4.8	Equipment containing coin/button cell batteries	shir m. m. m.	N/A
4.8.1	General	No coin/button cell batteries used.	N/A
4.8.2	Instructional safeguard	at let let little	N/A
4.8.3	Battery compartment door/cover construction	The Mr. M. M.	N/A
WITE.	Open torque test	TEX STEX SITES OUT	N/A
4.8.4.2	Stress relief test	The American	N/A
4.8.4.3	Battery replacement test	LET POLITE MITE	N/A
4.8.4.4	Drop test	-1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
4.8.4.5	Impact test	THE LITE WITH WITH	N/A
4.8.4.6	Crush test	In a state	N/A
4.8.5	Compliance	ed reter meter write an	N/A
, Et	30N force test with test probe	70 7 X	N/A
Mer. M	20N force test with test hook	WILL WILL MULT AND	N/A
4.9	Likelihood of fire or shock due to entry of cond	luctive object	Р
4.10	Component requirements	INLIE MALL MALL MALL	N/A
4.10.1	Disconnect Device	a at the little	N/A
4.10.2	Switches and relays	The Will Author Auth A	N/A
All the	THE LIFE SLITE MALE WAS TO THE	the state of	. E. T.
5	ELECTRICALLY-CAUSED INJURY	•17	√ _{1/1} P
5.2	Classification and limits of electrical energy sou	irces	Р
5.2.2	ES1, ES2 and ES3 limits	WILL MULL MULL MULL	Р
5.2.2.2	Steady-state voltage and current limits	(See appended table 5.2)	Р
5.2.2.3	Capacitance limits	No such capacitors	N/A
5.2.2.4	Single pulse limits	No such single pulses	N/A
5.2.2.5	Limits for repetitive pulses	No such repetitive pulses	N/A

No such ringing signals

N/A

Ringing signals

5.2.2.6



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21,	IEC62368-1	Lie we was and	m an
Clause	Requirement – Test	Result – Remark	Verdict
ale 1		er with the sure of	an an
5.2.2.7	Audio signals	70 7	N/A
5.3	Protection against electrical energy sources		
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	TEK TEK TIFEK MITEK	MALTEP
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	by My My My	N/A
5.3.1 b)	Skilled personsnot unintentional contact ES3 bare conductors	LEK MULTER MULTER MULTER A	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Only ES1 circuit and the enclosure (safeguard) are accessed to person.	P
	Accessibility to outdoor equipment bare parts	ALIER MITER MALIE WALL	N/A
5.3.2.2	Contact requirements	W T T T	N/A
r. Mur	Test with test probe from Annex V	LIER WILL WILL WILL	
5.3.2.2 a)	Air gap – electric strength test potential (V)		N/A
5.3.2.2 b)	Air gap – distance (mm)	er ancie mair was an	N/A
5.3.2.3	Compliance	at the set of	N/A
5.3.2.4	Terminals for connecting stripped wire	No stripped wire used.	N/A
5.4	Insulation materials and requirements	At 18th Offit	P
5.4.1.2	Properties of insulating material	No insulation as a safeguard.	N/A
5.4.1.3	Material is non-hygroscopic	THE LIEF	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	antit mit me me	N/A
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	SLIER WITER WHITE	N/A
5.4.1.5.3	Thermal cycling test		N/A
5.4.1.6	Insulation in transformers with varying dimensions	LITER UNLIE WHILE WHILE	N/A
5.4.1.7	Insulation in circuits generating starting pulses		N/A
5.4.1.8	Determination of working voltage	White White White W	N/A
5.4.1.9	Insulating surfaces	at at at	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	White mer with the	N/A
5.4.1.10.2	Vicat test	WILE MULL MULL MULL	N/A
5.4.1.10.3	Ball pressure test	s at at at	N/A
5.4.2	Clearances	THE MITTER WALL WALL	N/A
5.4.2.1	General requirements	1 x x x	N/A
The s	Clearances in circuits connected to AC Mains, Alternative method	white mer mer on	N/A
5.4.2.2	Procedure 1 for determining clearance	LIE SLIFE WITE WAY	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
Mr. 1	Mr. Mr. W. S. John St.	the wife wife our	m, m
, et	Temporary overvoltage	t at at	
5.4.2.3	Procedure 2 for determining clearance	WILL WALL MALL	N/A
5.4.2.3.2.2	a.c. mains transient voltage	a de de	
5.4.2.3.2.3	d.c. mains transient voltage	Prite Mulie Mulie M	_
5.4.2.3.2.4	External circuit transient voltage	at the state of	CEL -
5.4.2.3.2.5	Transient voltage determined by measurement	in min more an	-c) _
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	t writer writer writer	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	LIER SLIER WITER	N/A
5.4.2.6	Clearance measurement	211 221 2	N/A
5.4.3	Creepage distances	LIER RITER WITE W	N/A
5.4.3.1	General		N/A
5.4.3.3	Material group	ER WILL MULL MULL	n —
5.4.3.4	Creepage distances measurement	A A A	N/A
5.4.4	Solid insulation	White White Aut	N/A
5.4.4.1	General requirements	The state of the s	N/A
5.4.4.2	Minimum distance through insulation	7 Mur 2	N/A
5.4.4.3	Insulating compound forming solid insulation		N/A
5.4.4.4	Solid insulation in semiconductor devices	is the the th	N/A
5.4.4.5	Insulating compound forming cemented joints	A TEN TEN STE	N/A
5.4.4.6	Thin sheet material	me me m	N/A
5.4.4.6.1	General requirements	THE THE STEE	N/A
5.4.4.6.2	Separable thin sheet material	The Man In	N/A
The Maria	Number of layers (pcs)	TEX TIER WITER IN	N/A
5.4.4.6.3	Non-separable thin sheet material	10 10 10	N/A
When .	Number of layers (pcs)	ist outer with whi	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	- TEX LIES LIES	N/A
5.4.4.6.5	Mandrel test	m. m. m.	N/A
5.4.4.7	Solid insulation in wound components	TEX LIFE SLIFE	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz, E_P , K_R , d , V_{PW} (V)	in in in	N/A
t Test	Alternative by electric strength test, tested voltage (V), K _R	The west	N/A
5.4.5	Antenna terminal insulation	WHILE MULL MULL	N/A
5.4.5.1	General	a st st	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
5.4.5.2	Voltage surge test	Mary August Alle	N/A
5.4.5.3	Insulation resistance (MΩ)	STEE STEE SPITE	N/A
at a	Electric strength test	20/2 20 22	N/A
5.4.6	Insulation of internal wire as part of supplementary safeguard	NITE WILL WHILE OF	N/A
5.4.7	Tests for semiconductor components and for cemented joints	IER MUTER MUTER MU	N/A
5.4.8	Humidity conditioning	t get get ge	N/A
CIER N	Relative humidity (%), temperature (°C), duration (h)	on the tex	
5.4.9	Electric strength test	With Mr. Mr.	N/A
5.4.9.1	Test procedure for type test of solid insulation	at left left.	N/A
5.4.9.2	Test procedure for routine test	in the the	N/A
5.4.10	Safeguards against transient voltages from external circuits	EX MITEX MITEX WILL	N/A
5.4.10.1	Parts and circuits separated from external circuits	A A A	N/A
5.4.10.2	Test methods	MULL MULL MULL	N/A
5.4.10.2.1	General	at the	N/A
5.4.10.2.2	Impulse test	2 10 10	N/A
5.4.10.2.3	Steady-state test		N/A
5.4.10.3	Verification for insulation breakdown for impulse test	t of the th	N/A
5.4.11	Separation between external circuits and earth	MULL MILL MILL	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	OUTER ANTIER MOTER	N/A
5.4.11.2	Requirements	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
it in	SPDs bridge separation between external circuit and earth	NITE WALTE WALL W	N/A
	Rated operating voltage U _{op} (V)	EX OLIEK MITER WAL	_ nr _
TEK	Nominal voltage U _{peak} (V)	7 St S	s
21/20 21	Max increase due to variation ΔU _{sp}	WILL WILL MILL	mr -
CENT C	Max increase due to ageing ΔU _{sa}	A ST SET	7 P
5.4.11.3	Test method and compliance	MUTTER MUTTER MUTTER	N/A
5.4.12	Insulating liquid	A ST ST	N/A
5.4.12.1	General requirements	The Mar Mur M	N/A
5.4.12.2	Electric strength of an insulating liquid	of the set is	N/A
5.4.12.3	Compatibility of an insulating liquid	Aller Aller All	N/A
5.4.12.4	Container for insulating liquid	at let let	N/A





S	IEC62368-1					
	Clause	Requirement – Test	Result – Remark	Verdict		

5.5	Components as safeguards		N/A
5.5.1	General	No such components as safeguards.	N/A
5.5.2	Capacitors and RC units	TEK TEK NIFE MITE	N/A
5.5.2.1	General requirement	V. 14 14 14	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	IER WILLER WILLER	N/A
5.5.3	Transformers	t get get gret o	N/A
5.5.4	Optocouplers	mr mr m	N/A
5.5.5	Relays	TEX STER STIER WIT	N/A
5.5.6	Resistors	Mr. M. M. M.	N/A
5.5.7	SPDs	TER STER WITER WITER	N/A
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable	et tet tet stet	N/A
5.5.9	Safeguards for socket-outlets in outdoor equipment	and and and a	N/A
11/2 1	RCD rated residual operating current (mA)	MULL MULL MULL MU	_
5.6	Protective conductor	at the life	N/A
5.6.2	Requirement for protective conductors	2 Mr. Mr.	N/A
5.6.2.1	General requirements	Class III equipment	N/A
5.6.2.2	Colour of insulation	y my my m	N/A
5.6.3	Requirement for protective earthing conductors	A THE LITTER OLITER OF	N/A
, t	Protective earthing conductor size (mm²)	Mr. Mr. M.	_
Mrti M	Protective earthing conductor serving as a reinforced safeguard	MULTER WHITE MILITER WILL	N/A
LIER WAL	Protective earthing conductor serving as a double safeguard	LIER WITER WILLER WHITE	N/A
5.6.4	Requirements for protective bonding conductors	A SH SH SH	N/A
5.6.4.1	Protective bonding conductors	in whi and and	N/A
LIEK	Protective bonding conductor size (mm²)	- It let let	<u> </u>
5.6.4.2	Protective current rating (A)	mer mer mer an	N/A
5.6.5	Terminals for protective conductors	THE THE STEE SITE	N/A
5.6.5.1	Terminal size for connecting protective earthing conductors (mm)	The transfer of the transfer o	N/A
k 76k	Terminal size for connecting protective bonding conductors (mm)	The way we want	N/A
5.6.5.2	Corrosion	THE WALL MALL WALL ON	N/A
5.6.6	Resistance of the protective bonding system	1 1 1 1 1	N/A
5.6.6.1	Requirements	alter with any with	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
Clause	requirement – rest	Nesuit – Nemaik	Verdict
5.6.6.2	Test Method	The Age of the	N/A
5.6.6.3	Resistance (Ω) or voltage drop	LIER NITER INLIER MILE	N/A
5.6.7	Reliable connection of a protective earthing conductor	Tet liet wifet wifet	N/A
5.6.8	Functional earthing	by My My My	N/A
in white	Conductor size (mm²)	THE STIFF OF THE MALTER SO	N/A
. 1	Class II with functional earthing marking	The same of	N/A
Mr	Appliance inlet cl &cr (mm)	ALTER WITE WALTER WAY	N/A
5.7	Prospective touch voltage, touch current and p	rotective conductor current	N/A
5.7.2	Measuring devices and networks	Will Mile Will All	N/A
5.7.2.1	Measurement of touch current	a state set	N/A
5.7.2.2	Measurement of voltage	LIFE WALL WALL WALL	N/A
5.7.3	Equipment set-up, supply connections and earth connections	EX SUFEX MUTEX SPUTER SW	N/A
5.7.4	Unearthed accessible parts	711 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
5.7.5	Earthed accessible conductive parts	CHIEF WITH WALL WAL	N/A
5.7.6	Requirements when touch current exceeds ES2 limits	NITE WITE	N/A
A 10	Protective conductor current (mA)	2 2 2	N/A
MULL	Instructional Safeguard	TE SITE WITH WALLE	N/A
5.7.7	Prospective touch voltage and touch current associated with external circuits	t Tet Tet With the	N/A
5.7.7.1	Touch current from coaxial cables	The Mr. M. M.	N/A
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	MILITER WILLIAM WILLIAM	N/A
5.7.8	Summation of touch currents from external circuits	Lifet writer whiter whiter	N/A
EX WITE	a) Equipment connected to earthed external circuits, current (mA)	et aliet outet unliet u	N/A
ALTER	b) Equipment connected to unearthed external circuits, current (mA)	- Let Let Let of	N/A
5.8	Backfeed safeguard in battery backed up supplies		
INLIE W	Mains terminal ES	No battery used	N/A
	Air gap (mm)	The Me to the	N/A

6	ELECTRICALLY- CAUSED FIRE	Р
6.2	Classification of PS and PIS	Р



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4		A	۱
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IEC62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
6.2.2	Power source circuit classifications	PS (power source) classification determined by measuring the maximum power in Figures 34 and 35 for load and power source circuits. (See appended table 6.2.2)	P.A.	
6.2.3	Classification of potential ignition sources	See the following details.	JE P	
6.2.3.1	Arcing PIS	No Arcing PIS exist in the equipment	N/A	
6.2.3.2	Resistive PIS	(See appended table 6.2.3.2)	N/A	
6.3	Safeguards against fire under normal operating conditions	and 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	No ignition and no such temperature attained within the equipment. (See appended table B.1.5 & B.3)	P NEEL ON	
1,4	Combustible materials outside fire enclosure	No such parts	N/A	
6.4	Safeguards against fire under single fault condition	tions	u P	
6.4.1	Safeguard method	Control fire spread	Р	
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	THE WALLE	N/A	
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	LIE MILIE WILLIE WALTER	N/A	
6.4.3.1	Supplementary safeguards	L St. St. Set S	N/A	
6.4.3.2	Single Fault Conditions	MULL MULL MULL MILL	N/A	
NITER II	Special conditions for temperature limited by fuse	at the the stee	N/A	
6.4.4	Control of fire spread in PS1 circuits	mer any any an	Р	
6.4.5	Control of fire spread in PS2 circuits	LET TEX STEX	N/A	
6.4.5.2	Supplementary safeguards	her me me m	N/A	
6.4.6	Control of fire spread in PS3 circuits	Et ITEK LIEK OLIEK O	N/A	
6.4.7	Separation of combustible materials from a PIS	Mr. Mr. Mr. 200	N/A	
6.4.7.2	Separation by distance	- ITEX SLIES WIFE WILL	N/A	
6.4.7.3	Separation by a fire barrier	No fire barrier used.	N/A	
6.4.8	Fire enclosures and fire barriers	See below.	N/A	
6.4.8.2	Fire enclosure and fire barrier material properties	V-0 plastic enclosure used	N/A	
6.4.8.2.1	Requirements for a fire barrier	No fire barrier used.	N/A	
6.4.8.2.2	Requirements for a fire enclosure	V-0 plastic enclosure used	⊘⊢ N/A	
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	See below	N/A	
6.4.8.3.1	Fire enclosure and fire barrier openings	No openings	N/A	





201	IEC62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
6.4.8.3.2	Fire barrier dimensions	No specific barrier provided.	N/A		
6.4.8.3.3	Top openings and properties	No top opening	N/A		
<u>* </u>	Openings dimensions (mm)	The Aller of the Asset of the A	N/A		
6.4.8.3.4	Bottom openings and properties	No bottom opening	N/A		
et et	Openings dimensions (mm)		N/A		
ALC:	Flammability tests for the bottom of a fire enclosure	THE WALLE WHILE WALL W	N/A		
10 m	Instructional Safeguard	A SLIEB WITE WALLE WAS	N/A		
6.4.8.3.5	Side openings and properties	No side openings	N/A		
ne in	Openings dimensions (mm)	CLIEF WILL MALL WALL	N/A		
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c)	No enclosure can be opened by an ordinary person	N/A		
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating	V-0 plastic enclosure used	N/A		
6.4.9	Flammability of insulating liquid	m. m. m.	N/A		
6.5	Internal and external wiring	- TEN TEN STEEL WIT	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.	WALTER O		
6.5.2	Requirements for interconnection to building wiring	See 6.5.1.	P		
6.5.3	Internal wiring size (mm2) for socket-outlets	No such wire used	N/A		
6.6	Safeguards against fire due to the connection to ac	dditional equipment	Р		
7	INJURY CAUSED BY HAZARDOUS SUBSTANC	ES	Р		
7.2	Reduction of exposure to hazardous substance		N/A		
7.3	Ozone exposure		N/A		
7.4	Use of personal safeguards or personal protect	tive equipment (PPE)	N/A		
TEK.	Personal safeguards and instructions	4 4 4			
7.5	Use of instructional safeguards and instruction	S JOLIC WALL WALL WILL	N/A		
CIENT N	Instructional safeguard (ISO 7010)	A A A A A	_		
7.6	Batteries and their protection circuits	Marie Marie Marie Marie	Р		
8	MECHANICALLY CALISED IN HIDY	2 1/2 1/2 1/2	P		
8.2	MECHANICALLY-CAUSED INJURY Mechanical energy source classifications	, , , , , , , , , , , , , , , , , , ,	P.		
8.3	Safeguards against mechanical energy sources	LIT WITE WITE WITE W	P		
8.4	Safeguards against parts with sharp edges and		P		



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01	IEC62368-1	2 24 2 24 24	I.,
Clause	Requirement – Test	Result – Remark	Verdict
8.4.1	Cotoguardo	the and any	Р
0.4.1	Safeguards	MC4. Edwar and comerc of	40
7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Instructional Safeguard:	MS1: Edges and corners of enclosure	→ P
8.4.2	Sharp edges or corners	Edges and corners of the enclosure are rounded.	MELT P
8.5	Safeguards against moving parts	at all all the	N/A
8.5.1	Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts	No moving parts.	N/A
71/2 - 71	MS2 or MS3 part required to be accessible for the function of the equipment	See above.	N/A
ner me	Moving MS3 parts only accessible to skilled person	still outle ontil moti	N/A
8.5.2	Instructional safeguard:	in in the state of	N/A
8.5.4	Special categories of equipment containing moving parts	THE WALL WILL MAN	N/A
8.5.4.1	General	ex liex niter uniter ou	N/A
8.5.4.2	Equipment containing work cells with MS3 parts	7111 2211 221	N/A
8.5.4.2.1	Protection of persons in the work cell	CLIEF WITE WALLE WALL	N/A
8.5.4.2.2	Access protection override		N/A
8.5.4.2.2.1	Override system	White many	N/A
8.5.4.2.2.2	Visual indicator	the life	N/A
8.5.4.2.3	Emergency stop system	The water was any a	N/A
MULIER	Maximum stopping distance from the point of activation (m)	t milet milet militet mi	N/A
WILLER WA	Space between end point and nearest fixed mechanical part (mm)	THE STIFF WITH MITTER	N/A
8.5.4.2.4	Endurance requirements	in the state	N/A
T WE	Mechanical system subjected to 100 000 cycles of operation	HITEL WALTER WALTER WALL	N/A
MILITA	- Mechanical function check and visual inspection	Et liter size with so	N/A
. Jest	- Cable assembly	711. 10.	N/A
8.5.4.3	Equipment having electromechanical device for destruction of media	White white white wh	N/A
8.5.4.3.1	Equipment safeguards	TEX LIER NITER WITE	N/A
8.5.4.3.2	Instructional safeguards against moving parts:	m. m. m.	N/A
8.5.4.3.3	Disconnection from the supply	JEX NIEK MITER MITE	N/A
8.5.4.3.4	Cut type and test force (N)	20, 20, 24	N/A
8.5.4.3.5	Compliance	ex write anite write we	N/A
8.5.5	High pressure lamps	No high pressurelamps used.	N/A
were an	Explosion test	alife with with while	N/A



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-20,	IEC62368-1	all when the	70. A.
Clause	Requirement – Test	Result – Remark	Verdict
0.5.5.0		The water water and and	1 1/0
8.5.5.3	Glass particles dimensions (mm):		N/A
8.6	Stability of equipment	White Mury Mury Mun	N/A
8.6.1	General	MS1: Mass of the unit	N/A
201	Instructional safeguard	Will Mill Mill Mur	N/A
8.6.2	Static stability	at the text	N/A
8.6.2.2	Static stability test:	in mury mury mury	N/A
8.6.2.3	Downward force test	t get get great o	N/A
8.6.3	Relocation stability	They we we my	N/A
INLIE W	Wheels diameter (mm):	TEK ITEK SLIEK MIT	_
	Tilt test	Mr. Mr. Mr. D.	N/A
8.6.4	Glass slide test	THE LITER SLIFE WITE	N/A
8.6.5	Horizontal force test:	- 1/1 1/1 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	N/A
8.7	Equipment mounted to wall, ceiling or other stru	ucture	N/A
8.7.1	Mount means type:	No wall or ceiling	N/A
8.7.2	Test methods	Wite wife with Mr	N/A
Alt .	Test 1, additional downwards force (N):		N/A
hr. Mr	Test 2, number of attachment points and test force (N)	A WALL MAN	N/A
LEAN TE	Test 3 Nominal diameter (mm) and applied torque (Nm)	TE MILIE WHILE WHILE	N/A
8.8	Handles strength	et tet tet alte a	N/A
8.8.1	General	No handles	N/A
8.8.2	Handle strength test	TER STEE STEET SINT	N/A
4	Number of handles:	my my my	_
iti suri	Force applied (N):	LIER ALTER MALIER MALIER	100 -01
8.9	Wheels or casters attachment requirements	the state of the s	N/A
8.9.2	Pull test	No such parts	N/A
8.10	Carts, stands and similar carriers	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
8.10.1	General	No carts, stands or similar carriers	N/A
8.10.2	Marking and instructions:	ALTER MITER MALTER MALTE	N/A
8.10.3	Cart, stand or carrier loading test	The ship of	N/A
- Alexander	Loading force applied (N):	ITE MITE WALL WALLE	N/A
8.10.4	Cart, stand or carrier impact test		⊘ N/A
8.10.5	Mechanical stability	THE WALL WALL OF	N/A
	Force applied (N):	- 10° - 10°	e 18



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Clause	Requirement – Test	Result – Remark	Verdict
1 July	All All All	ITER ALTE MIT MAL	Mrs. Mrs.
8.10.6	Thermoplastic temperature stability	24. 24. 2. T. X	N/A
8.11	Mounting means for slide-rail mounted equ	ipment (SRME)	N/A
8.11.1	General	No such parts	N/A
8.11.2	Requirements for slide rails	TEX NITE WALTE WALL VI	N/A
EK JEY	Instructional Safeguard		N/A
8.11.3	Mechanical strength test	THE MET WELL WILL	N/A
8.11.3.1	Downward force test, force (N) applied		N/A
8.11.3.2	Lateral push force test	antit white white whi	N/A
8.11.3.3	Integrity of slide rail end stops	It let let let	N/A
8.11.4	Compliance	in the the	N/A
8.12	Telescoping or rod antennas	et let let let let	N/A
	Button/ball diameter (mm)	: No such parts	

9	THERMAL BURN INJURY		Р
9.2	Thermal energy source classifications Touch temperature limits		P P
9.3			
9.3.1	Touch temperatures of accessible parts	: (See appended table 5.4.1.4, 9.3, B.1.5, B.2.6)	mil P
9.3.2	Test method and compliance	See B.1.6 & B.2.3	JE P
9.4	Safeguards against thermal energy sources	Write Mur Mur and a	Р
9.5	Requirements for safeguards		P
9.5.1	Equipment safeguard	Enclosure provided to limit the transfer of thermal energy of internal parts under normal operating conditions and abnormal operating conditions.	P MALTER
9.5.2	Instructional safeguard	: Instructional safeguard is not required.	N/A
9.6	Requirements for wireless power transmitters	LIER CHIEF WILL MULT WE	N/A
9.6.1	General	No wireless power transmitters	N/A
9.6.2	Specification of the foreign objects	E MITE WALL WALL VAN	N/A
9.6.3	Test method and compliance	: 4 4	N/A

10			P N
10.2			U. Bill
10.2.1	General classification	See below	EF PIEF
11/12	Lasers:	the write with the wo	_
MATER	Lamps and lamp systems:	RS1: LED only for indicating use which is considered as low	_



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IEC62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
- 24 - 24	EX TEX TEX STEX WITE MILES AND THE	power application.	1111 1111	
White W	Image projectors:	t like street wife.	uniti —	
	V Pov	1/4 /4.		

t	BY THE THE STIP WITH MINE WITH	power application.	
White M	Image projectors:	LIER MITER MITER WALL	—
	X-Ray:	24 24 St	_
in The	Personal music player	ALTER MITE MALL WALL	_
10.3	Safeguards against laser radiation		N/A
M	The standard(s) equipment containing laser(s) comply	No laser radiation	N/A
10.4	Safeguards against optical radiation from lamps and lamp systems (including LED types)		Р
10.4.1	General requirements	LED indication light: Classed as RS1 (Exempt Group)	wh'P
LIEK WALTE	Instructional safeguard provided for accessible radiation level needs to exceed	LIER WILER WITER AND LES	N/A
y Test	Risk group marking and location		N/A
All S	Information for safe operation and installation	ET WILL MULT ME ME	N/A
10.4.2	Requirements for enclosures	A A A A A	N/A
14. 1	UV radiation exposure	White White Aur We	N/A
10.4.3	Instructional safeguard:	tet set	N/A
10.5	Safeguards against X-radiation	The me	N/A
10.5.1	Requirements	No X-radiation	N/A
10.	Instructional safeguard for skilled persons	The Me Me	_
10.5.3	Maximum radiation (pA/kg)	t tet tet stet stet mi	_
10.6	Safeguards against acoustic energy sources	The Marie Land	Р
10.6.1	General	THE STIEF OUTER WAITE	Jr P
10.6.2	Classification	Headphones: RS2	Р
EK WILEK	Acoustic output $L_{Aeq,T}$, dB(A):	Left: 94.0dB, Right: 93.8dB See EN 50332-2 test report No.: WTF20X10077842Y.	MET PU
THE THE	Unweighted RMS output voltage (mV):	No such electrical output socket	N/A
1/2 1	Digital output signal (dBFS)	WILL MILL MAIN MAN	N/A
10.6.3	Requirements for dose-based systems	at at all all	N/A
10.6.3.1	General requirements	MUTT MUTT MUT MUT	N/A
10.6.3.2	Dose-based warning and automatic decrease	at let let let	N/A
10.6.3.3	Exposure-based warning and requirements	The Me Me a	N/A
CLIER	30 s integrated exposure level (MEL30):	it let let let let	N/A
4	Warning for MEL ≥ 100 dB(A)	Mr. Mr. M. M.	N/A
10.6.4	Measurement methods	et let the the	Р



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IEC62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
ale	THE THE PERSON OF THE PERSON O	the river with the	Mus Me
10.6.5	Protection of persons	20 20 1	P
Mary M	Instructional safeguards:	ALTER WALTER WALTER	MULL AUD OF
10.6.6	Requirements for listening devices (headphones, earphones, etc.)	TEX SEX NUTEX	NITEK WALTER WALT
10.6.6.1	Corded listening devices with analogue input	14. 24. 24. 2	N/A
in white	Listening device input voltage (mV)	TEK STIEK WITER MY	N/A
10.6.6.2	Corded listening devices with digital input	70	N/A
Marin 1	Max. acoustic output L _{Aeq,T} , dB(A):	ALTER MITER WALLE	N/A
10.6.6.3	Cordless listening devices	20, 2, 1	N/A
mer in	Max. acoustic output L _{Aeq,T} , dB(A)	ALTER MITE WALLE	N/A

В	NORMAL OPERATING CONDITION TESTS, ABNORMAL OPERATING CONDITION TESTS AND SINGLE FAULT CONDITION TESTS		nu Po
B.1	General	the text the street w	P
B.1.5	Temperature measurement conditions	(See appended table B.1.5)	Р
B.2	Normal operating conditions		Ρ
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	P
at the	Audio Amplifiers and equipment with audio amplifiers:	The sure sure	N/A
B.2.3	Supply voltage and tolerances	Rated input 5Vdc	Р
B.2.5	Input test	(See appended table B.2.5)	P
B.3	Simulated abnormal operating conditions		Р
B.3.1	General	(See appended table B.3)	Р
B.3.2	Covering of ventilation openings	No ventilation openings.	N/A
LIER OLI	Instructional safeguard:	Et TET JET JET	N/A
B.3.3	DC mains polarity test	Not supplied by D.C. mains	N/A
B.3.4	Setting of voltage selector	No such selector	N/A
B.3.5	Maximum load at output terminals	(See appended table B.3)	Р
B.3.6	Reverse battery polarity	No such battery	N/A
B.3.7	Audio amplifier abnormal operating conditions	(See appended table B.3)	P
B.3.8	Safeguards functional during and after abnormal operating conditions	All safeguards remained effective	un P
B.4	Simulated single fault conditions	TEX TEX LIFE SUTER	ITE P
B.4.1	General	to the the the	Р





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Clause	Requirement – Test	Result – Remark	Verdict
B.4.2	Temperature controlling device	NTC used on battery protective board. The test is carried out for three times, no failure. See appended table B.4 for details	P. P
B.4.3	Blocked motor test	No motors	N/A
B.4.4	Functional insulation	See below.	Po
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.4)	P
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	P
B.4.4.3	Short circuit of functional insulation on coated printed boards	No coated printed boards within the EUT	N/A
B.4.5	Short-circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.4)	INCTE P
B.4.6	Short circuit or disconnection of passive components	(See appended table B.4)	JEK 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	No change to circuits classified in 5.3	P
B.4.9	Battery charging and discharging under single fault conditions	See annex M	Р
С	UV RADIATION		N/A
C.1	Protection of materials in equipment from UV r	adiation	N/A
C.1.2	Requirements	No such UV generated from the equipment.	N/A
C.1.3	Test method	LIER OLIER MATER MATE	N/A
C.2	UV light conditioning test	h. m. n. n.	N/A
C.2.1	Test apparatus:	EL WILL WILL MILL M	N/A
C.2.2	Mounting of test samples	at at	N/A
C.2.3	Carbon-arc light-exposure test	WITE WILL MULL AND	N/A
C.2.4	Xenon-arc light-exposure test	The set of	N/A
D	TEST GENERATORS		N/A
D.1	Impulse test generators	at at att att	N/A
D.2	Antenna interface test generator	THE MUTT MUT MUT A	N/A
D.3	Electronic pulse generator	at at set set	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	IING AUDIO AMPLIFIERS	N/A
E.1	Electrical energy source classification for audio	o signals	N/A





The same	IEC62368-1	ALTER WALTER WALL WALL V	15 211
Clause	Requirement – Test	Result – Remark	Verdict
-an		Experience and any	- 201-
	Maximum non-clipped output power (W):		
m. n	Rated load impedance (Ω):	40, 40, 40, 4	
JEH N	Open-circuit output voltage (V)	a state set	
20	Instructional safeguard:	UTIL MUTE MUTE AND	
E.2	Audio amplifier normal operating conditions		N/A
20.	Audio signal source type:	i we me m	
OLITEE .	Audio output power (W):	t let the litt the mi	
	Audio output voltage (V):	mer mer m. w.	
WELL ON	Rated load impedance (Ω)	TEX LIEK OLIEK WITE	_
,t ,	Requirements for temperature measurement	the the transfer	N/A
E.3	Audio amplifier abnormal operating conditions	LIER STEE WIFE WITE SMITE	N/A
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND SAFEGUARDS	INSTRUCTIONAL	JEK P
F.1	General	an an an	Р
MALTE	Language	English	_
F.2	Letter symbols and graphical symbols		Р
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	July P
F.2.2	Graphic symbols according to IEC, ISO or manufacturer specific	Graphical symbols are complied with IEC 60417, ISO 3864-2, ISO 7000 or ISO 7010.	P ^{II}
F.3	Equipment markings	A St St St	Р
F.3.1	Equipment marking locations	The required marking is located on the enclosure of the equipment and is easily visible.	WALTER W
F.3.2	Equipment identification markings	See below for details.	TE PAI
F.3.2.1	Manufacturer identification:	See copy of marking plate	Р
F.3.2.2	Model identification	See copy of marking plate	Р
F.3.3	Equipment rating markings	See below for details.	Р
F.3.3.1	Equipment with direct connection to mains	Supplying by 5Vdc	N/A
F.3.3.2	Equipment without direct connection to mains	See above.	Р
F.3.3.3	Nature of the supply voltage	See copy of marking plate.	P
F.3.3.4	Rated voltage	See copy of marking plate.	P
F.3.3.5	Rated frequency:	DC supply	Р
F.3.3.6	Rated current or rated power:	See copy of marking plate.	- Po
F.3.3.7	Equipment with multiple supply connections	Single supply connection.	N/A



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97	IEC62368-1	er and an i	20
Clause	Requirement – Test	Result – Remark	Verdict
F 0.4	Wellow of the state of the stat	Now have and	P1/2
F.3.4	Voltage setting device	No voltage setting device.	N/A
F.3.5	Terminals and operating devices	STATE WALL WALL WALL	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings:	Tet tret stret stret	N/A
F.3.5.2	Switch position identification marking:	b. 24, 25, 2	N/A
F.3.5.3	Replacement fuse identification and rating markings	LEX MULTER MULTER MULTER A	N/A
- NLTER	Instructional safeguards for neutral fuse:	t get get get great	N/A
F.3.5.4	Replacement battery identification marking:	No such battery.	N/A
F.3.5.5	Neutral conductor terminal	No such parts.	N/A
F.3.5.6	Terminal marking location	the the the	N/A
F.3.6	Equipment markings related to equipment classification	Class III equipment	N/A
F.3.6.1	Class I equipment	at left test tiest .	N/A
F.3.6.1.1	Protective earthing conductor terminal:	The The Me A	N/A
F.3.6.1.2	Protective bonding conductor terminals:	TEX TEX STEEL OUT	N/A
F.3.6.2	Equipment class marking	whi and an	N/A
F.3.6.3	Functional earthing terminal marking:	Et Just mile	N/A
F.3.7	Equipment IP rating marking:	This equipment is classified as IPX0.	STEK-
F.3.8	External power supply output marking:	See copy of marking plate.	Р
F.3.9	Durability, legibility and permanence of marking	Marking is considered to be legible and easily discernible. See also the following details.	P
F.3.10	Test for permanence of markings	The label was subjected to thepermanence of marking test. Thelabel was rubbed with cloth soakedwith water for 15 sec. And thenagain for 15 sec, with the clothsoaked with petroleum spirit. After this test there was nodamage to the label. The markingon the label did not fade. Therewas no curling and lifting of thelabel edge. After each test, the markingremained legible.	P
F.4	Instructions	the street	P
1/1/2	a) Information prior to installation and initial use	See user manual	Р
WALTER	b) Equipment for use in locations where children not likely to be present	it street writes writes our	N/A
xk.	c) Instructions for installation and interconnection	20, 20, 3	N/A



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20,	IEC62368-1	write aller and and	211. 21
Clause	Requirement – Test	Result – Remark	Verdict
Mes	an a	THE STIP SOLLY SUPLY	The The
WITEK W	d) Equipment intended for use only in restricted access area	THE THE LITTER	N/A
	e) Equipment intended to be fastened in place	me me m	N/A
Life MAL	f) Instructions for audio equipment terminals	TEX STEEL OUTER SO	N/A
الد لد	g) Protective earthing used as a safeguard	ar in in	N/A
MULL	h) Protective conductor current exceeding ES2 limits	TEX WHITEK WHITEE WHIT	N/A
WITE.	i) Graphic symbols used on equipment	t ret ret uter	N/A
TEL	j) Permanently connected equipment not provided with all-pole mains switch	Who we the	N/A
The the	k) Replaceable components or modules providing safeguard function	While Man while a	N/A
ir. Aurr	Equipment containing insulating liquid	LIER WITE WHITE WA	N/A
IF THE	m) Installation instructions for outdoor equipment	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- N/A
F.5	Instructional safeguards	TER INLIE WALL WALL	N/A
G	COMPONENTS		Р
G.1	Switches	WILL WELL MAN.	N/A
G.1.1	General	No switch used	N/A
G.1.2	Ratings, endurance, spacing, maximum load	2 41/2 41	N/A
G.1.3	Test method and compliance		N/A
G.2	Relays	The Mer Mer Mus	N/A
G.2.1	Requirements	No relay used.	N/A
G.2.2	Overload test	The In In	N/A
G.2.3	Relay controlling connectors supplying power to other equipment	Whitek Whitek Whitek	N/A
G.2.4	Test method and compliance	at at let	N/A
G.3	Protective devices	here we me me	N/A
G.3.1	Thermal cut-offs	No such component	N/A
TEK.	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	the state	N/A
711. 7	Thermal cut-outs tested as part of the equipment as indicated in c)	MULL MILL MAR	N/A
G.3.1.2	Test method and compliance	OLITER MALTER MALTER	N/A
G.3.2	Thermal links	No such component	N/A
G.3.2.1	a) Thermal links tested separately according to IEC 60691 with specifics	THE MUTTE MUTTER WAY	N/A
ALL!	b) Thermal links tested as part of the equipment	CEX NITER WHITE WALTER	N/A
G.3.2.2	Test method and compliance	70 20 2	N/A
G.3.3	PTC thermistors	No such component	N/A



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Clause	IEC62368-1	Docult Demark	Mandini
Clause	Requirement – Test	Result – Remark	Verdict
G.3.4	Overcurrent protection devices	No such component	N/A
G.3.5	Safeguards components not mentioned in G.3.1 to G.3.4	WALTER WALTER WALTER	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	NITER WHITER WHITER WA	N/A
G.3.5.2	Single faults conditions:	at all set of	N/A
G.4	Connectors	ry any any any	N/A
G.4.1	Spacings	No such component	N/A
G.4.2	Mains connector configuration	Mr. Mr. M.	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	MILIER WALTER WALTER W	N/A
G.5	Wound components	at the little	N/A
G.5.1	Wire insulation in wound components	No such component	N/A
G.5.1.2	Protection against mechanical stress	et set set set	N/A
G.5.2	Endurance test	Mur Mr. M.	N/A
G.5.2.1	General test requirements	TEX STEX STEE	N/A
G.5.2.2	Heat run test	Mr. In.	N/A
INLIE WILL	Test time (days per cycle)	At Chille 10	11° -
at al	Test temperature (°C)	2 3	.L _
G.5.2.3	Wound components supplied from the mains	THE REFERENCE WALL	N/A
G.5.2.4	No insulation breakdown	70, 7	N/A
G.5.3	Transformers	MITE WALTER WALTER	N/A
G.5.3.1	Compliance method	4 1 1	N/A
ang an	Position	INLIES WALTE WALL V	N/A
TEX IT	Method of protection	at at alt.	N/A
G.5.3.2	Insulation	WILL MULL AND AND	N/A
Et LIER	Protection from displacement of windings:	at at at 5	<u> </u>
G.5.3.3	Transformer overload tests	Mur. Aug. Aug.	N/A
G.5.3.3.1	Test conditions	- THE THE THE	N/A
G.5.3.3.2	Winding temperatures	Mur Mur Mur	N/A
G.5.3.3.3	Winding temperatures - alternative test method	TEX TEX STER	N/A
G.5.3.4	Transformers using FIW	me me in m	N/A
G.5.3.4.1	General	THE LIFE SUITED IN	N/A
4 2+	FIW wire nominal diameter:	20, 20, 20,	_
G.5.3.4.2	Transformers with basic insulation only	ex life wife wife	N/A
G.5.3.4.3	Transformers with double insulation or reinforced insulation	at at and	N/A



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20,	IEC62368-1	all the are are	20, 20,
Clause	Requirement – Test	Result – Remark	Verdict
all a	M TO THE STATE OF	THE STATE WITH MINE	11/2 11/2
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	ist let little	N/A
G.5.3.4.5	Thermal cycling test and compliance	Mr. Mr. M.	N/A
G.5.3.4.6	Partial discharge test	THE LITTER ONLINE OF	N/A
G.5.3.4.7	Routine test	the an in a	N/A
G.5.4	Motors	No motors used.	N/A
G.5.4.1	General requirements	74. 74. 74.	N/A
G.5.4.2	Motor overload test conditions	ALTER MITEL MILITER	N/A
G.5.4.3	Running overload test	74 T	N/A
G.5.4.4.2	Locked-rotor overload test	WILL WILL WALL A	N/A
TEX TE	Test duration (days):	A St St	alt —
G.5.4.5	Running overload test for DC motors	THE WILL MULL MA	N/A
G.5.4.5.2	Tested in the unit	at at at all	N/A
G.5.4.5.3	Alternative method	MULL MULL MULL	N/A
G.5.4.6	Locked-rotor overload test for DC motors	at let let	N/A
G.5.4.6.2	Tested in the unit	Wer Mur Mur	N/A
SLIFE SOL	Maximum Temperature	It I TEN	N/A
G.5.4.6.3	Alternative method	2 4 20	N/A
G.5.4.7	Motors with capacitors	All All All All	N/A
G.5.4.8	Three-phase motors	211 211 211	N/A
G.5.4.9	Series motors	of the stiff wife	N/A
A+	Operating voltage	Mr. 101. 12.	
G.6	Wire Insulation	LIEF OLIEF WITE	N/A
G.6.1	General	Only ES1 existed	N/A
G.6.2	Enamelled winding wire insulation	LITER OLITER MOLITE WAY	N/A
G.7	Mains supply cords	1 1 1	N/A
G.7.1	General requirements	No such component	N/A
JEK _	Type:	t at at	<u> </u>
G.7.2	Cross sectional area (mm² or AWG)	WALTE WALL WALL	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	NITER WITER WHITER	N/A
G.7.3.2	Cord strain relief	70. 2. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.	N/A
G.7.3.2.1	Requirements	LIET WALL WALL WAL	N/A
t Jet	Strain relief test force (N)	1 1 1 1 1 1	N/A
G.7.3.2.2	Strain relief mechanism failure	White white whi	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	1 4 2+	N/A

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Clause	Requirement – Test	Result – Remark	Verdict
are.	all are the state of	ER JUST WILL MILL	me m
G.7.3.2.4	Strain relief and cord anchorage material	4 4	N/A
G.7.4	Cord Entry	CALIFER MALTE MALTE	N/A
G.7.5	Non-detachable cord bend protection	3 + 3+	N/A
G.7.5.1	Requirements	RITER WALTE WALL WE	N/A
G.7.5.2	Test method and compliance		N/A
- Cik	Overall diameter or minor overall dimension, <i>D</i> (mm)	ite white mail and	- h
will a	Radius of curvature after test (mm):	ALTER MITE WALTE	m ^e -
G.7.6	Supply wiring space	The state of	N/A
G.7.6.1	General requirements	WILL WILL MALL M	N/A
G.7.6.2	Stranded wire		N/A
G.7.6.2.1	Requirements	The MUTTER MUTTER MUTTER	N/A
G.7.6.2.2	Test with 8 mm strand	s state	N/A
G.8	Varistors	ie mi mi mi	N/A
G.8.1	General requirements	No such component	N/A
G.8.2	Safeguards against fire	With Mur Mer.	N/A
G.8.2.1	General	the state .	N/A
G.8.2.2	Varistor overload test	2 24 24	N/A
G.8.2.3	Temporary overvoltage test	The The sale	N/A
G.9	Integrated circuit (IC) current limiters		N/A
G.9.1	Requirements	No such component	N/A
At-	IC limiter output current (max. 5A):	24, 24, 24,	_
Will M	Manufacturers' defined drift	THE STIEF WITE !	in in in
G.9.2	Test Program	14 14 4	N/A
G.9.3	Compliance	LIER WILL MULTER WA	N/A
G.10	Resistors		N/A
G.10.1	General	No such component	N/A
G.10.2	Conditioning	+ 2+ 2+	N/A
G.10.3	Resistor test	antie meter weit	N/A
G.10.4	Voltage surge test	at at at	N/A
G.10.5	Impulse test	WALLE MALL MAIN M	N/A
G.10.6	Overload test	at at at a	N/A
G.11	Capacitors and RC units	SLIF WILL WILL WILL	N/A
G.11.1	General requirements	No such component	N/A
G.11.2	Conditioning of capacitors and RC units	with the man	N/A
G.11.3	Rules for selecting capacitors	A 15 15	N/A



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IEC62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	

-2h		the way was all all	722
G.12	Optocouplers		N/A
mr m	Optocouplers comply with IEC 60747-5-5 with specifics	No such component	N/A
The MULL	Type test voltage V _{ini,a} :	TER STER WITER WITE	_
+ 4	Routine test voltage, V _{ini, b} :	b. m. m	_
G.13	Printed boards	TEX STIER WITE WATE W	N/A
G.13.1	General requirements	Only need to comply with functional insulation, see only B.4.4.	N/A
G.13.2	Uncoated printed boards	at at 18th 18	N/A
G.13.3	Coated printed boards	aleric Aler Alex Alex	N/A
G.13.4	Insulation between conductors on the same inner surface	LIES WILLEY WHILEY WAITER	N/A
G.13.5	Insulation between conductors on different surfaces	EX SLIEK WIFEK WILLER SW	N/A
, dt	Distance through insulation	70 7	N/A
aner a	Number of insulation layers (pcs)	CITER WALTER WALTER WALTER	_
G.13.6	Tests on coated printed boards	The set	N/A
G.13.6.1	Sample preparation and preliminary inspection	The same same	N/A
G.13.6.2	Test method and compliance		N/A
G.14	Coating on components terminals	the west mas must be	N/A
G.14.1	Requirements	t of set set is	N/A
G.15	Pressurized liquid filled components		N/A
G.15.1	Requirements	No such component	N/A
G.15.2	Test methods and compliance	Mr. Mr. Mr. M.	N/A
G.15.2.1	Hydrostatic pressure test	TEX TEX LIEX WITH	N/A
G.15.2.2	Creep resistance test	Mr. Mr. Mr. Mr.	N/A
G.15.2.3	Tubing and fittings compatibility test	EX ITEX SITEX OUTER OF	N/A
G.15.2.4	Vibration test	The the transfer	N/A
G.15.2.5	Thermal cycling test	tiek which while whi	N/A
G.15.2.6	Force test	2h, 2h, 2	N/A
G.15.3	Compliance	alier will write while	N/A
G.16	IC including capacitor discharge function (ICX)	in the state of	N/A
G.16.1	Condition for fault tested is not required	No such component	N/A
t Jet	ICX with associated circuitry tested in equipment	, x x x	N/A
mr.	ICX tested separately	antite white while wh	N/A
G.16.2	Tests	a st st st	N/A



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20,	IEC62368-1	res and any	20, 20,
Clause	Requirement – Test	Result – Remark	Verdict
21/V	Who the second s	EL WILLE MULL MULL M	in m
MITEL SI	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	tek tek tiek at	_
	Mains voltage that impulses to be superimposed on:	ANT MIN AN AN	_
74 - E) L	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test	Will Murr Mary Mary	_
G.16.3	Capacitor discharge test:	THE OLITER WHITE WALTER	N/A
Н	CRITERIA FOR TELEPHONE RINGING SIGNALS	S	N/A
H.1	General	White while with M	N/A
H.2	Method A	at at at a	N/A
H.3	Method B	Write Muri Mur Mur	N/A
H.3.1	Ringing signal	No telephone ringing signal generated within the equipment.	N/A
H.3.1.1	Frequency (Hz)	EX LIFE NITE WITE IN	r —
H.3.1.2	Voltage (V)	70 20	_
H.3.1.3	Cadence; time (s) and voltage (V):	OLITER WITE WALLE WAL	_
H.3.1.4	Single fault current (mA)::	The state of	ţ <u> </u>
H.3.2	Tripping device and monitoring voltage	Murit Aut	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	THE RULE WHITE	N/A
H.3.2.2	Tripping device	70 × 24	N/A
H.3.2.3	Monitoring voltage (V)	MITER WALTE WALTE WA	N/A
J	INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION		N/A
J.1	General	201 24 24	N/A
The Aller	Winding wire insulation:	LIER WILL WALLE	_
et let	Solid round winding wire, diameter (mm):	, , , , , , , , , , , , , , , , , , ,	N/A
An.	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²):	the military of the same	N/A
J.2/J.3	Tests and Manufacturing	LIER WITER WITE WA	il were
K	SAFETY INTERLOCKS		N/A
K.1	General requirements	ALTER MITE MALL WALL	N/A
TEK MALTE	Instructional safeguard:	No safety interlock provided within the equipment.	N/A
K.2	Components of safety interlock safeguard mechanism		N/A
K.3	Inadvertent change of operating mode	Et alter when anith w	N/A
K.4	Interlock safeguard override	70 20 1	N/A
K.5	Fail-safe	TER LIE WITH MI	N/A



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12,	IEC62368-1	The sure sure of	h. 10,
Clause	Requirement – Test	Result – Remark	Verdict
Mer	Mr. M. S. C.	EL WILL WILL MULL MU	2/1/2
K.5.1	Under single fault condition		N/A
K.6	Mechanically operated safety interlocks	Will Mark Mark War	N/A
K.6.1	Endurance requirement	The state of the	N/A
K.6.2	Test method and compliance	WILL MULL MULL MULL	N/A
K.7	Interlock circuit isolation	e at at let	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements	it white white must we	N/A
	In circuit connected to mains, separation distance for contact gaps (mm):	WALTER WALTER WALTE WAL	N/A
Write M	In circuit isolated from mains, separation distance for contact gaps (mm)	WALTER WALTER WALTER	N/A
LIEK WALT	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)	the state of	N/A
K.7.3	Endurance test	E WILL MULL MULL M	N/A
K.7.4	Electric strength test	at the self of	N/A
L	DISCONNECT DEVICES		N/A
L.1	General requirements	A THE SET	N/A
L.2	Permanently connected equipment	The sure sure	N/A
L.3	Parts that remain energized	The sales	N/A
L.4	Single-phase equipment	ing my my a	N/A
L.5	Three-phase equipment	t let let liet a	N/A
L.6	Switches as disconnect devices	They may make all	N/A
L.7	Plugs as disconnect devices	LEK TEK TEK STE	N/A
L.8	Multiple power sources	Mrs. Mrs. Mrs. Mrs. Mrs.	N/A
Life and	Instructional safeguard:	TEX ITEX NITEX DITEX	N/A
M	EQUIPMENT CONTAINING BATTERIES AND TH	HEIR PROTECTION CIRCUITS	Р
M.1	General requirements	TER LIFE NUTE MALTE ME	Р
M.2	Safety of batteries and their cells	1/1/2 1/11 1/2 1/2	P
M.2.1	Batteries and their cells comply with relevant IEC standards	Approved battery pack used	Р
M.3	Protection circuits for batteries provided within the equipment	WHITEK WHITEK WHITEK	MILL P
M.3.1	Requirements	et get get get	ITE P
M.3.2	Test method	The me we were	Р
MULTER	Overcharging of a rechargeable battery	(See appended table AnnexM)	Р
antiek a	Excessive discharging	(See appended table AnnexM)	P



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20.	IEC62368-1	or are are and	A. 2.
Clause	Requirement – Test	Result – Remark	Verdict
- shr	THE THE STATE OF T	the write while our wa	211.
MITER	Unintentional charging of a non-rechargeable battery	No such battery used	N/A
	Reverse charging of a rechargeable battery	Built-in battery used, reverse charging is prevented	N/A
M.3.3	Compliance	No chemical leakage, no spillage of liquid, no explosion of the battery, no emission of flame or expulsion of molten metal	SV P
M.4	Additional safeguards for equipment containing lithium battery	g a portable secondary	Р
M.4.1	General	LIER OLIER WILL WILL	W. P
M.4.2	Charging safeguards	Under normal operating conditions, abnormal operating conditions or single fault conditions, the charging voltage, charging current of the battery no exceed the maximum specified charging voltage and maximum specified charging current.	TEX WALTER
M.4.2.1	Requirements	THE TIPE	N/A
M.4.2.2	Compliance	(See appended table M.4.2)	Р
M.4.3	Fire enclosure:	V-0 fire enclosure used	III P
M.4.4	Drop test of equipment containing a secondary lithium battery	t of the text	P
M.4.4.2	Preparation and procedure for the drop test	MULT MILL MIN MIN	Р
M.4.4.3	Drop, Voltage on reference and dropped batteries (V); voltage difference during 24 h period (%)::	The voltage difference not exceed 5%.	WILL
M.4.4.4	Check of the charge/discharge function	Three complete discharge and charge cycles under normal operating conditions.	MITEP W
M.4.4.5	Charge / discharge cycle test	No fire, explosion and any electrolyte leakage	TET PA
M.4.4.6	Compliance	and the state of	J P
M.5	Risk of burn due to short-circuit during carrying		Р
M.5.1	Requirement	No bare conductive terminal used	WELL P
M.5.2	Test method and compliance		N/A
M.6	Safeguards against short-circuits		P _{1/1}
M.6.1	External and internal faults		N/A



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IEC62368-1	Life with while with a	11. 20.
Requirement – Test	Result – Remark	Verdict
All the state of	EL WILL OUT , MU,	40.
Compliance	The battery complied with IEC 62133-2 which considered the internal fault tests. No such explosion or fire likely to result from short circuits.	P. A.
Risk of explosion from lead acid and NiCd batte	eries	N/A
Ventilation preventing explosive gas concentration	No such battery used	N/A
Calculated hydrogen generation rate:	t let let litte liet ni	N/A
Test method and compliance	Mer Mer Mr Mr	N/A
Minimum air flow rate, Q (m³/h)	LET LET LIEF SLIE	N/A
Ventilation tests	Mr. Mr. M. M.	N/A
General	TEX JEX STEX MILE.	N/A
Ventilation test – alternative 1	in 14. 24. 25.	N/A
Hydrogen gas concentration (%):	et life alies wife on	N/A
Ventilation test – alternative 2	the the	N/A
Obtained hydrogen generation rate	SLIFE OLITE MALIE MALIE	N/A
Ventilation test – alternative 3		N/A
Hydrogen gas concentration (%):	White Mur.	N/A
Marking	+ 1t	N/A
Protection against internal ignition from extern with aqueous electrolyte	al spark sources of batteries	N/A
General	t nite intermeter with my	N/A
Test method	70 Tr 1	N/A
General	WITE WILL MILL MALL	N/A
Estimation of hypothetical volume V_Z (m ³ /s):	and the state of	- 1 Est
Correction factors:	Life unlit wall wall	11/2 -11
Calculation of distance d (mm)	t at at the	TEK -S
Preventing electrolyte spillage	in muri mur mur m	N/A
Protection from electrolyte spillage	- It all all of	N/A
Tray for preventing electrolyte spillage	mer mer mer in	N/A
Instructions to prevent reasonably foreseeable misuse	MILIER MALTER MALTER MALTER	N/A
Instructional safeguard:	at at all the	N/A
ELECTROCHEMICAL POTENTIALS	The while and any a	N/A
Material(s) used:	at at let let	76x -7
MEASUREMENT OF CREEPAGE DISTANCES A	ND CLEADANCES	N/A
	Risk of explosion from lead acid and NiCd batter Ventilation preventing explosive gas concentration Calculated hydrogen generation rate	Compliance The battery complied with IEC 62133-2 which considered the internal fault tests. No such explosion or fire likely to result from short circuits. Risk of explosion from lead acid and NiCd batteries Ventilation preventing explosive gas concentration Calculated hydrogen generation rate



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IEC62368-1			
Clause	Requirement – Test	Result – Remark	Verdict

Clause	Requirement – rest	Result – Remark	Verdict
P .	SAFEGUARDS AGAINST CONDUCTIVE OBJEC	TS W W W	P
P.1	General General	See below	P
P.2	Safeguards against entry or consequences of e	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	P
P.2.1	General General	intry of a foreign object	WILLIAM P
P.2.2	Safeguards against entry of a foreign object	er all all all	P
all site	Location and Dimensions (mm)	No openina.	<u> </u>
P.2.3	Safeguards against the consequences of entry of a foreign object	- itel night milet mi	N/A
P.2.3.1	Safeguard requirements	The think the table	N/A
NUTT ON	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment	united white white white	N/A
The MULL	Transportable equipment with metalized plastic parts	LIER MULES MULES WHILE	N/A
P.2.3.2	Consequence of entry test:	ex sex sex siex siex	N/A
P.3	Safeguards against spillage of internal liquids	with the my and	N/A
P.3.1	General	No such liquids.	N/A
P.3.2	Determination of spillage consequences	The The The The	N/A
P.3.3	Spillage safeguards	ALTE MITE MITE	N/A
P.3.4	Compliance		N/A
P.4	Metallized coatings and adhesives securing pa	rts: II' WITE WITE	N/A
P.4.1	General	No such construction.	N/A
P.4.2	Tests	* WITE WILL MU	N/A
, Et	Conditioning, T _C (°C):	W + A A	- 🚓
mr. m	Duration (weeks)	WILL MILL MILL MAN	2/15_
Qot 3	CIRCUITS INTENDED FOR INTERCONNECTION	WITH BUILDING WIRING	ďΡ
Q.1	Limited power sources	See appended table Annex Q.1	Р
Q.1.1	Requirements	the write with my	Р
TEX.	a) Inherently limited output	a at at a	N/A
21/2 2	b) Impedance limited output	white while whe whe	JU P
TEK N	c) Regulating network limited output	at at alt set	N/A
11. 14.	d) Overcurrent protective device limited output	WILL MELL MELL MAN	N/A
JEK NIE	e) IC current limiter complying with G.9	at left the the	N/A
Q.1.2	Test method and compliance	See below	Р
MALTER	Current rating of overcurrent protective device (A)	See appended table Annex Q.1	JER PLI
Q.2	Test for external circuits – paired conductor cable	No such circuit for connection to the EUT	N/A



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	IEC62368-1	in the sur	70.
Clause	Requirement – Test	Result – Remark	Verdict
-ch-	Maximum autaut aurrant (A)	The right will all all	N/A
- 1. C.F.	Maximum output current (A)	10 10 10 W	IN/A
7/1 /2	Current limiting method:	Wary, Aur. Mar. Aur.	20, —
R	LIMITED SHORT CIRCUIT TEST	the set of the set	N/A
R.1		No such consideration.	N/A
R.2	Test setup	at the test test	N/A
122	Overcurrent protective device for test:	Wer Mer Mr. W	
R.3	Test method	the feet of the st	N/A
10.	Cord/cable used for test	Mur. Mr. Mr. 20.	
R.4	Compliance	THE THE THE STE	N/A
S	TESTS FOR RESISTANCE TO HEAT AND FIRE	hr. Mr. M. M.	N/A
S.1	Flammability test for fire enclosures and fire barr where the steady state power does not exceed 4		N/A
	Samples, material:		JEK 10
20,	Wall thickness (mm)	Mr. Mr. Mr. M.	
NITE	Conditioning (°C):	LET TEX TEX JI	6 10 CO
TEX	Test flame according to IEC 60695-11-5 with conditions as set out	West The Sales The	N/A
12. 20	- Material not consumed completely	A Church Angel	N/A
SEX SLIP	- Material extinguishes within 30s	The state	N/A
24	- No burning of layer or wrapping tissue	MUTT MUT ME A	N/A
S.2	Flammability test for fire enclosure and fire barrie	er integrity	N/A
-2,,	Samples, material:	This me me me	
INJIES OF	Wall thickness (mm):	THE THE STEE STEE	1000
<u> </u>	Conditioning (°C)	ile; the she sh	
S.3	Flammability test for the bottom of a fire enclosur	re the life with	N/A
S.3.1	Mounting of samples	10 10 10 10 10 10 10 10 10 10 10 10 10 1	N/A
S.3.2	Test method and compliance	the state with all	N/A
	Mounting of samples	21/2, 21, 21, 21, 3,	nt _0
MILL	Wall thickness (mm)	THE NUMBER OF THE PARTY OF THE	11/2
S.4	Flammability classification of materials	all on the six	N/A
S.5	Flammability test for fire enclosure materials	ilik niek niek niek	N/A
ifek Malif	of equipment with a steady state power exceeding 4 000 W		IN/A
اد ا	Samples, material:	M. 211, 22,	Z+ -
MALIE	Wall thickness (mm):	LIFE STEE WITE ON	
	Conditioning (°C)	24, 24, 2, 3	



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10.	IEC62368-1	to any any	25. 27.
Clause	Requirement – Test	Result – Remark	Verdict
T &	MECHANICAL STRENGTH TESTS	the wife was also also	Р
T.1	General General	- let tet tet to	Р
T.2	Steady force test, 10 N:	(Con appended table T 2)	P
T.3	Steady force test, 10 N:		N/A
T.4	Steady force test, 100 N:	D. A	P
	Steady force test, 100 N		
T.5		. " " " " " " " " " " " " " " " " " " "	N/A
T.6	Enclosure impact test	L THE STEEL WITH	N/A
	Fall test	Mr. Mr. In. A.	N/A
الع سنتاس	Swing test	TEX TEX STEE SOLIE	N/A
T.7	Drop test:		Р
T.8	Stress relief test:	(See appended table T.8)	In P
T.9	Glass Impact Test:	No such glass	N/A
T.10	Glass fragmentation test	iek niter antie antie a	N/A
At .	Number of particles counted	No such glass	N/A
T.11	Test for telescoping or rod antennas	WILL MULL MULL MULL	N/A
INLIEK WY	Torque value (Nm):	No such antennas provided within the equipment.	N/A
U.L. MITT	MECHANICAL STRENGTH OF CATHODE RAY TUBES (CRT) AND PROTECTION AGAINST THE EFFECTS OF IMPLOSION		N/A
U.1	General A Company of the Company of	in Mrs. Law And	N/A
MULL	Instructional safeguard:	No CRT provided within the equipment.	N/A
U.2	Test method and compliance for non-intrinsical	y protected CRTs	N/A
U.3	Protective screen	Mrs. Mr. Mr. Ag.	N/A
V	DETERMINATION OF ACCESSIBLE PARTS	THE THE LITTER WITH	N/A
V.1	Accessible parts of equipment	ar and any	N/A
V.1.1	General	EK JEK LIER OLIER	N/A
V.1.2	Surfaces and openings tested with jointed test probes	- let let let si	N/A
V.1.3	Openings tested with straight unjointed test probes	The The Me In	N/A
V.1.4	Plugs, jacks, connectors tested with blunt probe	TEK TEK LIFE SLIFE	N/A
V.1.5	Slot openings tested with wedge probe	Mr. Mr. In. In.	N/A
V.1.6	Terminals tested with rigid test wire	TEX LIER LIFE WITE	N/A
V.2	Accessible part criterion	- m, m, m,	N/A
X	ALTERNATIVE METHOD FOR DETERMINING CLEARANCES FOR INSULATION IN CIRCUITS CONNECTED TO AN AC MAINS NOT EXCEEDING 420 V PEAK (300 V RMS)		N/A
21/2 2	Clearance	wife while while whi	N/A



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Ç	IEC62368-1				
	Clause	Requirement – Test	Result – Remark	Verdict	

Y	CONSTRUCTION REQUIREMENTS FOR OUTDO	OR ENCLOSURES	N/A
Y.1	General	Indoor equipment	N/A
Y.2	Resistance to UV radiation	4	N/A
Y.3	Resistance to corrosion	RITER WITE WALL WA	N/A
Y.3	Resistance to corrosion	a state of	N/A
Y.3.1	Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by:	its while while whi	N/A
Y.3.2	Test apparatus	t aliet mile ancie	N/A
Y.3.3	Water – saturated sulphur dioxide atmosphere	70 7	N/A
Y.3.4	Test procedure	KLIER WILL WILL W	N/A
Y.3.5	Compliance	an at at	N/A
Y.4	Gaskets	LIER WALTE WALL WAL	N/A
Y.4.1	General	a at at all	N/A
Y.4.2	Gasket tests	MULL MULL MULL	N/A
Y.4.3	Tensile strength and elongation tests	at at at	N/A
211. 1	Alternative test methods	Mr. Mur. Mur.	N/A
Y.4.4	Compression test	at Tet	N/A
Y.4.5	Oil resistance	2 1/2 24	N/A
Y.4.6	Securing means	de de lite all	N/A
Y.5	Protection of equipment within an outdoor enclo	osure	N/A
Y.5.1	General	t itel wife wife	N/A
Y.5.2	Protection from moisture	211 111 111	N/A
الا ميريانه	Relevant tests of IEC 60529 or Y.5.3	TEX STER BITES	N/A
Y.5.3	Water spray test	742 - 742 - 242 - 7	N/A
Y.5.4	Protection from plants and vermin	LIER NITER WALTER WAY	N/A
Y.5.5	Protection from excessive dust		- N/A
Y.5.5.1	General	ER WILLE MULLE MULL	N/A
Y.5.5.2	IP5X equipment	1 1 1	N/A
Y.5.5.3	IP6X equipment	WILL WILL WILL	N/A
Y.6	Mechanical strength of enclosures	at at at	N/A
Y.6.1	General	While Muris Muris All	N/A
Y.6.2	Impact test:		N/A



Š	- Aug.	IEC62368-1	OLITER WALTER WALTER WALTER	her and
	Clause	Requirement – Test	Result – Remark	Verdict

ATTACHMENT TO TEST REPORT

IEC 62368-1

EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

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

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

Attachment Form No...... EU_GD_IEC62368_1E

Attachment Originator: UL(Demko)

Master Attachment 2021-02-04

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



IEC62368-1



Clause	Requirement – Test	Result – Remark	Verdict
Mer	THE STEEL STEEL	THE MELL WALL	Were and
3.3.19.4	sound exposure level, SEL	70 1.	N/A
	logarithmic measure of sound exposure relative to a reference value, E_0 , typically the 1 kHz threshold of hearing in humans.	MUTER MUTER MUTE M	er ler
	Note 1 to entry: SEL is measured as A-weighted levels in dB.	LIER WILLER WHILE WAS	74 74 - 14
	$SEL = 10 \lg \left(\frac{E}{E_0}\right) dB$	EX WHITEX WHITES WHITES	White white
	Note 2 to entry: See B.4 of EN 50332-3:2017 for additional information.	the tex itex	TEX DITEX
3.3.19.5	digital signal level relative to full scale, dBFS	Wer Mer Mr Me	N/A
	levels reported in dBFS are always r.m.s. Full scale level, 0 dBFS, is the level of a dc-free 997-Hz sine wave whose undithered positive peak value is positive digital full scale, leaving the code corresponding to negative digital full scale unused 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.	TEE WALTER WALTER WALTER	Whitek whitek
2	Modification to Clause 10		N/A
10.6	Safeguards against acoustic energy sources		- N/A
MULL	Replace 10.6 of IEC 62368-1 with the following:		
10.6.1.1	Introduction	Not such equipment	N/A
	Safeguard requirements for protection against long-term exposure to excessive sound pressurelevels from personal music players closely coupled to the ear are specified below. Requirements for earphones and headphones intended for use with personal music players are also covered. A personal music player is a portable equipment intended for use by an ordinary person, that:	white while white	und whitek
	 is designed to allow the user to listen to audio or audiovisual content / material; and uses a listening device, such as headphones or earphones that can be worn in or on or 	whitek whitek whitek	NITER WALTER
	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	WILE MULLER MULLER MUL	F TEX
	continuous use (for example, on a street, in a subway, at an airport, etc.).	t it get get	an an
	EXAMPLES Portable CD players, MP3 audio players, mobile phones with MP3 type features, PDAs or similar equipment.	WALLE WALL WALL	Mrs and
	priorics with the experiences, i Bris of similar equipment.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1



	IEC62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
ale,	THE THE THE THE	LITE MIT WITH MALE	Mrs. Mrs.		
	requirements of either 10.6.2 or 10.6.3.	70 20	at at		
	NOTE 1 Protection against acoustic energy sources from telecom applications is referenced to ITU-T P.360.	diniter white white w	VII. AUT. A		
	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.	tiek whitek whitek whi	ek witter on		
	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;	Whitek whitek whitek	MULTER MILIER		
	NOTE 3Professional equipment is equipment sold through special sales channels. All products sold throughnormal electronics stores are considered not to be professional equipment.	TEX WILLER WILLER WILL	et un tet unt		
	 hearing aid equipment and other devices for assistive listening; the following type of analogue personal music players: long distance radio receiver (for example, a 	whitek whitek whitek w	NUTER WHITER O		
	multiband radio receiver or world band radio receiver, an AM radio receiver), and • cassette player/recorder;	The function of the fact of th	t while mili		
	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.	Whitek whitek whitek	unite uniter		
	 a player while connected to an external amplifier that does not allow the user to walk around while in use. 	UNLIEK WALTER WALTER W	LITER MALTER W		
	For equipment that is clearly designed or intended primarily for use by children, the limits of the relevant toy standards may apply.	TEX MITTER MUTTER MUT	au lite wai		
- Willest - Willest	The relevant requirements are given in EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	TEK TEK TEK	INLIER NUTER		
10.6.1.2	Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz	Must be the	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	iest writes writes write	A MARIET ANDEZ		
	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	t whilet whilet whilet	WALLEY THE		
wer a	Electromagnetic Fields (up to 300 GHz). For hand- held and body mounted devices, attention is	WILL WALLE WALL W	ir. Mer 1		



1. m	IEC62368-1					
Clause	Requirement – Test	AND THE TOP	Result – Remark	Verdict		

4	drawn to EN 50360 and EN 50566.	70, 70,	4 1
10.6.2	Classification of devices without the capacity to	estimate sound dose	N/A
10.6.2.1	General This standard is transitioning from short-term based (30 s) requirements to long-term based (40 hour) requirements. These clauses remain in effect only for devices that do not comply with	Not such equipment	N/A
	sound dose estimation as stipulated in EN 50332-3. For classifying the acoustic output L_{Aeq} , τ , measurements are based on the A-weighted equivalent sound pressure level over a 30 s period. For music where the average sound pressure	Whitek whitek whitek wi	LIE WALTER
	(long term <i>L</i> Aeq, τ) 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.	MUTER MUTER MUTER	UNLIEK WHITE
LITEK WILLER	NOTE Classical music, acoustic music and broadcast typically has an average sound pressure (long term $L_{\text{Aeq},7}$) which is much lower than the average programme simulation noise. Therefore, if the player is capable to analyse the content and compare it with the programme simulation noise, the warning does not need to be given as long as the average sound pressure of the song does not exceed the required limit. For example, if the player is set with the programme simulation noise to 85 dB, but the average music level of the song is only 65 dB, there is no need to give a warning or ask an acknowledgement as long as the average sound level of the song is not above the basic limit of 85 dB.	THE WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER	WALTER WALTER
10.6.2.2	RS1 limits (to be superseded, see 10.6.3.2) RS1 is a class 1 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the <i>L</i> Aeq, <i>τ</i> acoustic output shall be ≤ 85 dB when playing the fixed "programme simulation noise" described in EN 50332-1. — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 27 mV (analogue interface) or -25 dBFS (digital interface) when playing the fixed "programme	JUNITER WHITER WHITER WHITER JUNITER WHITER WHITER WHITER JUNITER WHITER WHITER WHITER JUNITER WHITER WHITER WHITER JUNITER WHITER WHITER JUNITER WHITER WHITER	an N/A Lifet white Lifet whit
	simulation noise" described in EN 50332-1. - The RS1 limits will be updated for all devices as per 10.6.3.2.	OUTER WILLER WALTER WA	TEX MULTER



N/A

211.	IEC62368-1	IT'S WILL WALL WALL	24, 24,
Clause	Requirement – Test	Result – Remark	Verdict
10.6.2.3	RS2 limits (to be superseded, see 10.6.3.3)	The state of the	P-
	RS2 is a class 2 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or when the combination of player and listening device is known by other means such as setting or automatic 130 detection, the <i>L</i> Aeq, <i>τ</i> acoustic output shall be ≤ 100 dB(A) when playing the fixed "programme simulation noise" as described in EN 50332-1. — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 150 mV (analogue interface) or -10 dBFS (digital interface) when playing the fixed "programme simulation noise" as described in EN 50332-1.	SUPLIFIES WHITE WHITE WHITE SUPLIFIES WHITES WHITES WHITES WHITES WHIT	nt white whi
10.6.2.4	RS3 limits RS3 is a class 3 acoustic energy source that exceeds RS2 limits.	WILLER MULTER MULTER	N/A
10.6.3	Classification of devices (new)	At 18th	N/A
10.6.3.1	General Previous limits (10.6.2) created abundant false negative and false positive PMP sound level warnings. New limits, compliant with The Commission Decision of 23 June 2009, are given below.	Not such equipment	N/A
10.6.3.2	RS1 limits (new)	711 711 411	N/A
	RS1 is a class 1 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the <i>L</i> Aeq, <i>τ</i> acoustic output shall be ≤ 80 dB when playing the fixed "programme simulation noise" described in EN 50332-1. — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general	UNLIER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER	EX WITEX WALLEY WALLEY WALLEY WALLEY WALLEY

RS2 limits (new)

not exceed the following:

10.6.3.3

use, the unweighted r.m.s. output voltage shall be ≤ 15 mV (analogue interface) or -30 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN 50332-1.

RS2 is a class 2 acoustic energy source that does

- for equipment provided as a package (player



, m	IEC62368-1	LIER WILL MULL MILL	Mrs. Mrs.
Clause	Requirement – Test	Result – Remark	Verdict
MUTER M	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	outiles whiles whiles w	WILER MUTER OF
LIE WALES	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 EN 50332-1.	LIER WHITER	TEX WHITE WHITE WAS TEXT OF THE WAS TEXT OF TH
10.6.4	Requirements for maximum sound exposure	1. Mr. M. M.	N/A
10.6.4.1	Measurement methods All volume controls shall be turned to maximum during tests. Measurements shall be made in accordance with EN 50332-1 or EN 50332-2 as applicable.	Not such equipment	N/A
10.6.4.2	Protection of persons	At Military	P
TEX WHITE	Except as given below, protection requirements for parts accessible to ordinary persons, instructed persons and skilled persons are given in 4.3.	THE WALTE WALTE	t white white
MULL	NOTE 1 Volume control is not considered a safeguard.	MILITER WALTER WALTE	MULL MULL
MUTER M	Between RS2 and an ordinary person , the basic safeguard may be replaced by an instructional safeguard in accordance with Clause F.5, except that the instructional safeguard shall be placed on the equipment, or on the packaging, or in the instruction manual.	united whited whited w	EK WILLER WAL
EX WALTER	Alternatively, the instructional safeguard may be given through the equipment display during use.	at antiet whitet white	MUTER MUTER
MULLER	The elements of the instructional safeguard shall be as follows:	WALTER MALTER MALTER	UNLIEF WHITEF
Write On	- element 1a: the symbol (1907), IEC 60417-6044 (2011-01) - element 2: "High sound pressure" or equivalent	Intitle white white wh	iter mile mu
it vinti	wording — element 3: "Hearing damage risk" or equivalent wording	THE WILLE WILL WILL	My Mut
mer	 element 4: "Do not listen at high volume levels for long periods." or equivalent wording 	MULLE MILL MILL	MUT AUT
in The	An equipment safeguard shall prevent exposure	TEN STEE STIP	VII. WILL M



20,	IEC62368-1	rite alors aller aller	211, 211,
Clause	Requirement – Test	Result – Remark	Verdict
Mer	White the state of the state of	THE WILL WILL WALL	The rue
	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.	unitek watek waitek w	LIFEK WALTEK
	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.	et whitet whitet whitet	JUNE BY JUNES
	NOTE 2 Examples of means include visual or audible signals. Action from the user is always needed. NOTE 3 The 20 h listening time is the accumulative listening	TEX WHITEX WHITEX WHITE	y on the one
	time, independent of how often and how long the personal music player has been switched off. A skilled person shall not be unintentionally	MULTE MULTE MULTE	WAL WALLEY
10.0.5	exposed to RS3.	write war, and a	NI/A
10.6.5	Requirements for dose-based systems	Like I was a	N/A
	General requirements Personal music players shall give the warnings as provided below when tested according to EN 50332-3, using the limits from this clause. The manufacturer may offer optional settings to allow the users to modify when and how they wish to receive the notifications and warnings to promote a better user experience without defeating the safeguards. This allows the users to be informed in a method that best meets their physical capabilities and device usage needs. If such optional settings are offered, an administrator (for example, parental restrictions, business/educational administrators, etc.) shall be able to lock any optional settings into a specific configuration. The personal music player shall be supplied with easy to understand explanation to the user of the	Not such equipment	N/A
LEK MUTE VILE MUTE	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.	Natifet White White White	t unit uni
10.6.5.2	Dose-based warning and requirements	ALTER WALTER MALLE	N/A
	When a dose of 100 % <i>CSD</i> is reached, and at least at every 100 % further increase of <i>CSD</i> , the device shall warn the user and require an	STEEL STEEL WITER OR	LIEK WALTER





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7	1	V	A	
1	V			

	IEC62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
MALLER MILL	acknowledgement. In case the user does not acknowledge, the output level shall automatically decrease to compliance with class RS1. The warning shall at least clearly indicate that listening above 100 % <i>CSD</i> leads to the risk of hearing damage or loss.	STEEL WHITE WHITEL WAS	NATE WALTER
10.6.5.3	Exposure-based requirements	at let let the	N/A
UNITER VI	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.	Whitek whitek whitek	onlife onlife
	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.	Tex uniter uniter uniter	ex on the one
	Test of EL functionality is conducted according to EN 50332-3, using the limits from this clause. For equipment provided as a package (player with its listening device), the level integrated over 180 s shall be 100 dB or lower. For equipment provided with a standardized connector, the unweighted level integrated over 180 s shall be no more than 150 mV for an analogue interface and no more than -10 dBFS for a digital interface.	white white white white white white white white	MUTE MUTE
UNLTEK OUT	NOTE In case the source is known not to be music (or test signal), the EL may be disabled.	TEX STEX STEX	NITEK WALTER
10.6.6	Requirements for listening devices (headphone	s, earphones, etc.)	N/A
	Corded listening devices with analogue input With 94 dB LAeqacoustic pressure output of the listening device, and with the volume and sound settings in the listening device (for example, built- in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the input voltage of the listening device when playing the fixed "programme simulation noise" as described in EN 50332-1 shall be ≥ 75 mV. NOTE The values of 94 dB and 75 mV correspond with 85 dB and 27 mV or 100 dB and 150 mV	Not such equipment	N/A IN/A IN/A IN/A IN/A IN/A IN/A
10.6.6.2	and 27 mV or 100 dB and 150 mV. Corded listening devices with digital input	70 70 7	N/A
10.0.0.2	With any playing device playing the fixed "programme simulation noise" described in EN 50332-1, and with the volume and sound settings in the listening device (for example, built-in volume	Whitek whitek whitek	IV/A



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	IEC62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
alle.	WILL AND THE STATE OF	ality with white	The Me
waltex wat	level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the $L_{Aeq,\tau}$ acoustic output of the listening device shall be \leq 100 dB with an input signal of -10 dBFS.	onliek whitek whitek	UNLIEK WHITEK
10.6.6.3	Cordless listening devices	40.	N/A
whitek wh	In cordless mode, — with any playing and transmitting device playing the fixed programme simulation noise described in EN 50332-1; and — respecting the cordless transmission standards, where an air interface standard exists that specifies the equivalent acoustic level; and — with volume and sound settings in the receiving device (for example, built-in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output for the above mentioned programme simulation noise, the LAeq, τacoustic output of the listening device shall be ≤ 100 dB with an input signal of -10 dBFS.	EX WHITE WHI	White whitek with the whitek with the whitek
10.6.6.4	Measurement method	WITE WILL WILL	N/A
NITEH AND	Measurements shall be made in accordance with EN 50332-2 as applicable.	at The	LIEK NIFEK NIF
3	Modification to the whole document		Р



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Ś	The Maria	IEC6236	8-1	White Miles
	Clause	Requirement – Test	Result – Remark	Verdict

۸ e	OTE Z1 The use	e of certain substa ent is restricted v					- 1
A A	dd the follow	ing note:		at at	JEN J	EF SLIE ML	υP
N	lodification	to Clause 1					Р
WILL OF	7.			AV AV		7. 16, -11	11° d
	Y.4.5	Note					z.t
MALTE	10.6.1	Note 3	F.3.3.6	Note 3	Y.4.1	Note	NITER
40			Table 39				20,
TEX NIT	8.5.4.2.3	Note		Note 3 and 4 and 5	10.5.3	Note 2	t mit
36. 34	8.5.4.2.3	Note	10.2.1	Note 2 and 4	10.5.3		2/1
TEK	5.6.8	Note 2	5.7.6	Note	5.7.7.1	Note 1 and Note 2	N. Y
ALLE.						and 4	1,000
- 116	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3	11/2
MALI	5.4.10.2.1	Note	5.4.10.2.2	Note	5.4.10.2.3	Note	MILTE
. L . J	Table 13						720.
LIEK MI	5.4.2.3.2.4	Note 2	5.4.2.5	Note 2	5.4.5.1	Note	E JALI
ale M			Table 12				1/1
CIEN.	5.2.2.2	Note	5.4.2.3.2.2	Note c	5.4.2.3.2.4	Note 1 and 3	EX
whi.	3.3.8.3	Note 1	4.1.15	Note	4.7.3	Note 1 and 2	21/200
+ 16+	0.2.1	Note 1 and 2	1	Note 4 and 5	3.3.8.1	Note 2	EX





		IEC62368-1	
Clause	Requirement – Test	Result – Remark	Verdict

4.Z1	Add the following new subclause after 4.9:	Not directly connected to the	N/A
White	To protect against excessive current, short-circuits and earth faults in circuits connected to an a.c.mains, protective devices shall be included either as integral parts of the equipment or as parts of the building installation, subject to the following, a), b) and c): a) except as detailed in b) and c), protective devices necessary to comply with the requirements of B.3.1 and B.4 shall be included as parts of the equipment; b) for components in series with the mains input to the equipment such as the supply cord, appliance coupler, r.f.i. filter and switch, short-circuit and earth fault protection may be provided by protective devices in the building installation; c) it is permitted for pluggable equipment type B or permanently connected equipment, to rely on dedicated overcurrent and short-circuit protection in the building installation, provided that the means of protection, e.g. fuses or circuit breakers, is fully specified in the installation instructions. If reliance is placed on protection in the building installation, the installation instructions shall so state, except that for pluggable equipment type A the building installation shall be regarded as providing protection in accordance with the rating of the wall socket outlet.	mains In the transfer white the	MINLIEK WILLER MILLER MILLER
6	Modification to 5.4.2.3.2.4		N/A
5.4.2.3.2.4	Add the following to the end of this subclause: The requirement for interconnection with external circuit is in addition given in EN 50491-3:2009.	No connection to external circuit.	N/A
7	Modification to 10.2.1		N/A
10.2.1	Add the following to c) and d) in table 39:For additional requirements, see 10.5.1.	No such radiation from the equipment.	N/A
8	Modification to 10.5.1		N/A





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	6	X	V	7	٢
1		V	V		4

20.	IEC62368-1	the wife with the	211 24
Clause	Requirement – Test	Result – Remark	Verdict
21/2	The The State Williams	The Marie Marie	The An
10.5.1	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	MULTER MULTER WILLER	N/A
	controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or pre-sets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made.	Lite Whitek Whitek Whitek	EX WHITE WHITES
	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.	MITER MATTER MATTER A	niter unite
	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.	TEX WHITEX WHITEX WH	TER ON TE OU KONGT HOUTE
	Moreover, the measurement shall be made under fault conditions causing an increase of the high voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made.	Whitek whitek whitek	MILITER WALTER
	For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level.	in the wife with	EK WHIEK WH
LITER	NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996.	at at all	- LIE - NLIE
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 AnnexZD.	WILLER WHILER WHILER	N/A
10	Modification to Bibliography		Р



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in mil	Mr. Mr. M.	IEC62368-1	LIET WITER WHITE W	Tip Music Mrs.
Clause	Requirement – Test	The Miles My Man	Result – Remark	Verdict

The same	WI W THE THE NUT WITH MANY	Mrs. Mrs.
all the	Add the following notes for the standards indicated:	P
	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 60664-5 NOTE Harmonized as EN 60601-2-4. IEC 60664-5 NOTE Harmonized as EN 60664-5. IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified). IEC 61508-1 NOTE Harmonized as EN 61558-2-1. IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1. IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4. IEC 61643-1 NOTE Harmonized as EN 61643-1. IEC 61643-21 NOTE Harmonized as EN 61643-1. IEC 61643-311 NOTE Harmonized as EN 61643-311. IEC 61643-331 NOTE Harmonized as EN 61643-331. IEC 61643-331 NOTE Harmonized as EN 61643-331.	JUNE THE WALTER OF THE
11	ADDITION OF ANNEXES	P
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)	P
4.1.15 THE WALTER WALT WALTER WALT WALTER W	Denmark, Finland, Norwayand Sweden To the end of the subclause the following is added: Class I pluggable equipment type A intended for connection to other equipment or anetwork shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet. The marking text in the applicable countries shall be as follows: In Denmark: "Apparatetsstikpropskaltilsluttesenstikkontakt med jordsom giver forbindelsetilstikproppensjord." In Finland: "Laite on liitettäväsuojakoskettimillavarustettuunpistorasiaan " In Norway: "Apparatetmåtilkoplesjordetstikkontakt" In Sweden: "Apparatenskallanslutas till jordatuttag"	LTEK WILTER WINLES WIN WINLES WIN WINLES WIN WINLES WIN
4.7.3	United Kingdom To the end of the subclause the following is added: The torque test is performed using a socket-outlet complying with BS 1363, and the plug part shall be assessed to the relevant clauses of BS 1363. Also see Annex G.4.2 of this annex	et was ret N/A in was ret was







20,	IEC62368-1	THE WALL WALL WALL	$a_n = a_n$
Clause	Requirement – Test	Result – Remark	Verdict
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 electric strength test below.	No such external circuits.	N/A
	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	THE WALTER WALTER WALTER OF	anvited and
	 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. 	und who who text whitek whitek was text whitek whitek whitek whitek whitek whitek was text with the way to be a second with the way to be a se	WETER WILLER
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005,	TEX TEX STEX WIFE	K WITEK

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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



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- "	IEC62368-1	in the the m	
Clause	Requirement – Test	Result – Remark	Verdict
ale.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and white and	me m
	testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;	THE STREET STREET	INLIEK WALTER
	 the additional testing shall be performed on all the test specimens as described in EN 60384- 14; 	THE MUTER WITTER MUT	TEK WITEK
EK WALTE	the impulse test of 2,5 kV is to be performed before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14.	EX WHITEX WHITE	AUL ER MU
5.5.2.1	Norway	t let the tier tier	N/A
	After the 3rd paragraph the following is added:	Mur Mur Mir	in the
164 . L	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	MITTER WALTER WALTER WA	es art.
5.5.6	Finland, Norwayand Sweden	No such resistors.	N/A
	To the end of the subclause the following is added:	A TITEL WITER WITER	WALTER WALT
	Resistors used as basic safeguard or bridging basic insulation in class I pluggable equipment type A shall comply with G.10.1 and the test of G.10.2.	WHITEK WHITEK WHITEK	MITER WATER
5.6.1	Denmark	No such equipment.	N/A
	Add to the end of the subclause Due to many existing installations where the socket-outlets can be protected with fuseswith higher rating than the rating of the socket-outlets the protection for pluggable equipment type A shall be an integral part of the equipment. Justification:	THE WALTER WALTER WALTER	white white
	In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	UNLIES WILLIES WILLIES W	NITE MALTE
5.6.4.2.1	Ireland and United Kingdom	at at at a	N/A
	After the indent for pluggable equipment type A, the following is added: - the protective current rating is taken to be 13 A, this being the largest rating of fuse used in the mains plug.	it whitek whitek white	white my
5.6.4.2.1	France	TEN CIENT STEE	N/A
ncifest on Test of	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.	WILE MUTTER MUTTER	
5.6.5.1	To the second paragraph the following is added:	The Will Mar Mus	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 mm²to 1,5 mm²in cross-sectional area.	MULTER WHITER WALTER	MILL MILL



20.	IEC62368-1	in the the	20. 1.
Clause	Requirement – Test	Result – Remark	Verdic
5.6.8	Norway	white was all	P
	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.	Whitek whitek whitek wh	ancie ance extrest a
5.7.6	Denmark	The Mr. Mr.	Р
	To the end of the subclause the following is added:	WHITEK WHITEK WHITEK	White Mulit
	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.	MITER MALTER MALTER	NITER MITER
5.7.6.2	Denmark	THE LITTER STIFE ON	P
ek whitek	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.	MULTER WILLER WILLER	t while the
5.7.7.1	Norway and Sweden	Not such system.	N/A
	To the end of the subclause the following is added: The screen of the television distribution system is normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building. Therefore the protective earthing of the building installation needs to be isolated from the screen of a cable distribution system.	White white white white	EX JUN FEX JUNION TEXT
	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.	UNLIER WALTER WALTER WA	nite water
	The user manual shall then have the following or	of the set of	et allet and

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 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)" NOTE In Norway, due to regulation for CATV-installations, and Waltek Testing Group Co., Ltd.





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121,	IEC62368-1	is the sup of	1. 10.
Clause	Requirement – Test	Result – Remark	Verdict
Mrs.	The The Table of t	The Mile Will Wall Wall	1/11
MUTIEK M	in Sweden, a galvanic isolator shall provide electrical insulation below 5 MHz. The insulation shall withstand a dielectric strength of 1,5 kV r.m.s., 50 Hz or 60 Hz, for 1 min.	Whitek writek writek write	MUNITER .
	Translation to Norwegian (the Swedish text will also be accepted in Norway):	tiet nifet whilet whilet	ON SLITEK WI
	"Apparatersom er koplettilbeskyttelsesjord via nettpluggog/eller via annetjordtilkoplet utstyr – og er tilkoplet et koaksialbasertkabel-TV nett, kanforårsakebrannfare. For å unngådetteskal det vedtilkoplingavapparatertilkabel-TV nett installeresengalvanisk isolator	et unifet unifet unifet unif	SE EX MINITER
	mellomapparatetogkabel-TV nettet." Translation to Swedish: "Apparatersomärkopplad till skyddsjord via jordatvägguttagoch/eller via annanutrustningochsamtidigtärkopplad till kabel-TV nätkanivissa fall medföra risk för brand. Förattundvikadettaskall vid anslutningavapparaten till kabel-TV nätgalvanisk isolator finnasmellanapparatenochkabel-TV nätet."	Text white w	AND TEX
3.5.4.2.3	United Kingdom	No external circuits.	N/A
	Add the following after the 2 nd dash bullet in 3 rd paragraph: An emergency stop system complying with the requirements of IEC 60204-1 and ISO 13850 is required where there is a risk of personal injury.	ie until white white	NIEK WILL
B.3.1 and	Ireland and United Kingdom	Not directly connected to the	N/A
B.4 MILITER WALLER MILITER MILITER	The following is applicable: To protect against excessive currents and short-circuits in the primary circuit of direct plug-in equipment , tests according to Annexes B.3.1 and B.4 shall be conducted using an external miniature circuit breaker complying with EN 60898-1, Type B, rated 32A. If the equipment does not pass these tests, suitable protective devices shall be included as an integral part of the direct plug-in equipment , until the requirements of Annexes B.3.1 and B.4 are met	mains who who is the subject while the subject w	AUNITER OF STREET
G.4.2	Denmark	Not directly connected to the	N/A
	To the end of the subclause the following is added: Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011.	mains	MIEK WALTE
	CLASS I EQUIPMENT provided with socket- outlets with earth contacts or which are intended to be used in locations where protection against	TEK TIEK NITEK MITE	MALTER





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in the	IEC62368-1	LIFE WALL WALL WILL WILL WI	211
Clause	Requirement – Test	Result – Remark	Verdict
, The	AN A	the still mile with mile	an .
WUTTEK M	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.	MULTER MULTER MULTER	MALTEK W
PATER WATER	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.	Ext unifex unifex unifex unifex unifex	LIFE WILLEY
MULLER MY	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.	MILIER WHITE WHILE WHILE	MULTER MA
PLIER WALL	Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c.	TEX WHITEX WHITEX WHITEX	CIER MATE
Whitek w	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 white	MULIEK W
SLIFER IN	Justification:	THE STEEL STEEL	WILL WALL
in in	Heavy Current Regulations, Section 6c	in in in.	
G.4.2	United Kingdom	Not directly connected to the	N/A
ex Tiex	To the end of the subclause the following is added:	mains	E- SLIER
Whitek whi	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.	untitle whitek whitek whitek	ancitek an ettek <mark>a</mark> ncit
G.7.1	United Kingdom	let outlier and the main was	N/A
1	To the first paragraph the following is added:	The state of	t Let
WHITE WHITE	Equipment which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to BS 1363 by means of that flexible cable or cord shall be fitted with a 'standard plug' in accordance with the Plugs and Sockets etc. (Safety) Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted by those regulations.	Whitek whitek whitek whitek	white white the control of the contr
AU.	NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	MULTE MULT MILL MILL MILL	THE



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		IEC62368-1	
Clause	Requirement – Test	Result – Remark	Verdict

Ireland	20. 1	N/A
To the first paragraph the following is added:	TEX LIER NITER MITE	
Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in accordance with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use Regulations: 1997. S.I. 525 provides for the recognition of a standard of another Member State	and whitek whitek whitek wh	
		107.4
	white and and and	N/A
To the first paragraph the following is added:	at at let let	
A power supply cord with a conductor of 1,25 mm ² is allowed for equipment which is rated over 10 A and up to and including 13 A.	inite until whi with	
ANNEX ZC, NATIONAL DEVIATIONS (EN)	is me me m	N/A
Germany	No CRT within the equipment.	N/A
The following requirement applies:	while mur mur me	
For the operation of any cathode ray tube intended	TEX TEX SITES OUTES	
for the display of visual images operating at an	mer m. m.	
	At THE THE	
approval (Bauartzulassung) and marking.	anti vari a	
Justification:	The street of	
German ministerial decree against ionizing	in the the the the	
	- LEK TEK TEK JIE	
96/29/EURATOM.	murr murr mar murr	
NOTE Contact address: Physikalisch-TechnischeBundesanstalt, Bundesallee 100, D-38116 Braunschweig, Tel.: Int+49-531-592-6320, Internet: http://www.ptb.de	unifek whitek whitek whitek	
	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 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. ANNEX ZC, NATIONAL DEVIATIONS (EN) 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: Physikalisch-TechnischeBundesanstalt, Bundesallee 100, D-38116 Braunschweig,	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 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. ANNEX ZC, NATIONAL DEVIATIONS (EN) 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: Physikalisch-TechnischeBundesanstalt, Bundesallee 100, D-33116 Braunschweig.



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Dr. Alex	711 211 211	IEC62368-1	LIFE WILL W	VII. Mer Aug
Clause	Requirement – Test	MULL THE THE	Result – Remark	Verdict

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





Color,	10 2 20 20 20 A	IEC62368-1	LIER MITER WALTER	With Min Aug
Clause	Requirement – Test	ret we my	Result – Remark	Verdict

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5.2	TABLE: Classificat	ion of electrical er	nergy source	es		t	N/A
Supply	Location (e.g.	Test conditions		Parame	ters		ES
Voltage	circuit designation)		U (V)	I (mA)	Type ¹⁾	Additional Info 2)	Class
et et	TEK TITEK NI	Normal	5.0VDC	n -2,	SS	DC	ES3
5VDC	5VDC Input circuit	Abnormal	Jak s	TER WITE	17 LT - 1	Vice Alle	2/1/2
- WALTEK	NI ER WALTER WALTE	Single fault – SC/OC	10 To	y Jet	IEK	EX "IEX	WALTEK.
J.	CEL TEX STEP	Normal	4.2VDC	111, 111,	SS	DC	ES1
4.2VDC	Battery	Abnormal	CENT CENT	LIFE MIT	17-17	WALL ON	in an
LIEK MALTE	MALTER WALTER WA	Single fault – SC/OC	STL.	TEK TEK	LIEK	MITER MINIS	EX WILL

Supplementary information:

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

Test Conditions:

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

short circuit; OC= open circuit

SC=

3)

5.4.1.8 TABLE: World	king voltage measu	rement		N/A
Location	RMS voltage (V)	Peak voltage (V)	Frequency (Hz)	Comments
- unit wait with	24, 24,	+ - 5+ .	et Jet.	LIER WILL MULLE MULL
- 14 14 14	LIE NITE WAL	"hur" nur	11/2 11	a total
Supplementary information	n:			

5.4.1.10.2	2 TABLE: Vicat softening temperature of thermoplastics							
Method			: ISO 306 / B50	MILIET MAL	_			
Object/ Part	No./Material	Manufacturer/trademark	Thickness (mm)	T softenir	ng (°C)			
-111-111 M	2 My M	The let of	A STEE WITE N	PUTE WILL	11/2 1			
Supplementary information:								
ing and	24, 24	the state of the state of	aliter outer and	Were a	Vr. 71/2			

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

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			IEC6236	8-1				
Requirement	– Test	View alle	70	20	Result	- Remark	, et	Verdict
14, 15,	<u> </u>		ALL THE	_56	ر. ا	The state of	Les all	in The
LEK STEK	-17 ER . 111		m.	20,	10,		.t.	et - 18t
ntary information):							
et let	TER STE	CLI .	40 M		w.		اد.	et
	TEX TEX	Requirement – Test ntary information:	The The The Willer	Requirement – Test	THE THE THE WITH MITTER AND MITTER	Requirement – Test Result	Requirement – Test Result – Remark	Requirement – Test Result – Remark

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)
10 1 10 10 10 10 10 10 10 10 10 10 10 1							MITTE	
Supplementary information:								
1) Only for frequency above 30 Complete Electric Strength volta		. (V) who	en 5.4.2.	4 applied)	IEK WALT	ik write	WALTE V	2)

5.4.4.2	TABLE: Minimum	MULT MULL	N/A		
Distance to (DTI) at/of	hrough insulation	Peak voltage (V)	Insulation*	Required DTI (mm)	Measured DTI (mm)
1	TEN TEN ST	MITE WILL WAL	2424.	+	et - let
Suppleme	ntary information:				
*See also	sub-clause 5.4.4.9	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	70. 72. 72.	1 / A	et let i
in an				100	1/12 1/11

5.4.4.9 TABLE: Solid insulation at frequencies >30 kHz									
Insulation material	E _P	Frequency (kHz)	K _R	Thickness d (mm)	Insulation	V _{PW}	(Vpk)		
- WILL MULL MULL M	The Sales	- "	* 4	EN 17E	CLIER OF	<i>5</i> °	Wille		
Supplementary information:									
with out who are	411.	·	. A.	CEP JEP	JEE NI	11.			

5.4.9	TABLE: Electric strength tests			N/A
Test voltage	e applied between:	Voltage shape (Surge, Impulse, AC, DC, etc.)	Test voltage (V)	Breakdown Yes / No
Functional:	THE THE STIEF WITE WALL	Mr. Mr. M.		at the
-mr. m	All	TEK LIEK ALT	- Will White W	Vice Park 29
Basic/suppl	ementary:	mr mr m	* * * *	et let e
at in which	m m	THE LIES STEEL	- White white whi	in my
Reinforced:	Lifet wifet wife wall a	no m		t 18th 518
r. Mur	Mr. M. W.	ET LIER SLIER	THE WALL WALL	Mur Mur
Routine Tes	sts: Et life with who	24. 20. 2	a st st	TEX TEX
- 21/2 1		Liter Willer Mil	- while while	Mer Toller
Supplemen	tary information:			
me m	The state of the s	LIER ALTER MITE	White Mile Me	S. 245 24



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- 71c	The same of	IEC62368-1	LIFE WITE WALL W	ic an	411
Clause	Requirement – Test	ALL THE THE	Result – Remark	et s	Verdict

5.5.2.2	TABLE:	Stored discharge of	on capacitors			N/A
Location		Supply voltage (V)	Operating and fault condition 1)	Switch position	Measured voltage (Vpk)	ES Class
, 2, -	- July 1	A A -	Normal	North Williams	are -ar	10 - 10
TER WALTE	MULTER	Will More and	Single fault: SC/ OC	LIEK WITEK	LIEK WALTER	MULIER MULI

Supplementary information:

X-capacitors installed for testing are:[] bleeding resistor rating:

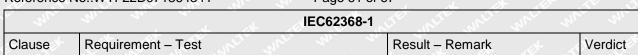
[] ICX: 1) Normal operating condition (e.g., normal operation, or open fuse), SC= short circuit, OC= open circuit

nt Duration (min)	Voltage drop	
(111111)	(V)	(Ω)
TEN OUTER A	ALTE MALTE WALL	Wer - Mr.
	<u>.</u>	

5.7.4	TABL	E: Unearthed acces	sible parts				N/A
Location		Operating and	Supply Voltage (V)	Parameters			ES class
		fault conditions		Voltage (V _{rms} or V _{pk})	Current (A _{rms} or A _{pk})	Freq. (Hz)	
L/N to secondary terminals		Normal		at "at .	Et Jet J	16th 15th	SIN-TE
		Abnormal: overload	ynizir wi	in and	- 16 16	TEX.	LIEN .
		Single fault: SC/ OC	WALTER WALTE	WULLE MUTE	Mur Mur	201 <u>-</u>	76k
Supplemen	ntary info	ormation:					
SC= short	circuit; C	OC= open circuit	LIE WILL.	y in	20.		at at

5.7.5	TABLE: Earthed acces	sible conductive part		21, 1,	N/A		
Supply vol	tage (V)	- " , , , , , , , , , , , , , , , , , ,	LEF JER	TEN STE			
Phase(s)		[] Single Phase; [] Three Phase: [] Delta [] Wye					
Power Dist	tribution System	[] TN []TT []IT	st st	TEN JEE			
Location		Fault Condition No in IEC 60990 clause 6.2.2	Touch current (mA)	Commer	nt		
- me	24. 24. 25.	at alt it	Che State State	Whi The	en.		
Metal enclo	osure	neutral open	0.024	ES1	- 26th		
Supplemen	ntary Information:						
	A 15 15 15	the way the way	24. 20.	9	٠, د		





5.8 TAB	LE: Backfeed	safeguard in battery	backed up	supplies		N/A
Location	Supply voltage (V)	Operating and fault condition	Time (s)	Open-circuit voltage (V)	Touch current (A)	ES Class
RETER WALL WA	11/2 1/1	4, - 4,	76 * 7	et out	LIER - UIE	White whi
Supplementary in	formation:					
in wir wer	The M	20 -	* 0	- 16th S	ET LIV	all we

6.2.2 T	ABLE: Power sourc	BLE: Power source circuit classifications										
Location	Operating and fault condition	Voltage (V)	Current (A)	Max. Power ¹⁾ (W)	Time (S)	PS class						
5V Input circu	it Pin + to -	5.0	0.417	2.085	5S	PS1						
Battery	Output pin + to -	3.8	1.65	6.27	5S	PS1						
Speaker outpu	ut Output pin + to -	1.48	0.47	0.068	5S	PS1						

Supplementary information:

Abbreviation: SC= short circuit; OC= open circuit1) Measured after 3 s for PS1 and measured after 5 s for PS2 and PS3.* Unit shutdown immediately, recoverable, no hazard.

6.2.3.1 TA	BLE: Determination of Arcing	PIS		N/A	
Location		Open circuit voltage after 3 s (Vpk) Measured r.m.s		Arcing PIS? Yes / No	
FER STIFF			-4		
Supplementary	nformation:				
to the the	Chi Wr. Wh. M.		at at all	18 J. 18	

6.2.3.2 TABLE:	6.2.3.2 TABLE: Determination of resistive PIS									
Location	Operating and fault condition	Dissipate power (W)	Arcing PIS? Yes / No							
All primary circuits/components	AND THE THE OLITER MITTER IN	LIE WALTER WALTER WALT	Yes (declaration)							

Supplementary information:

All circuits are considered as resistive PIS; A combination of voltmeter, VA and ammeter IA may be used instead of a wattmeter.

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

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

8.5.5	TABLE: High pre	TABLE: High pressure lamp									
Lamp mai	nufacturer	Lamp type	Explosion method	Longest axis of glass particle (mm)		icle found nd 1 m Yes / No					
<u> </u>	her are an	100	Et JET JET	NITER THIE W	100	ater, an					





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Clause	Requirement – Test	are, and an	Result – Remark	Verdict

120.					 	A 179.3				- 1/2/		
Supple	ementary	/ informa	ation:									
W. L.	MUS	1/2	40.		 <i>*</i>	JEN.	J. L. T. E. K.	CLIFE	Mille	Mer	Mer	-01

9.6	TABL	E: Temper	ature mea	suremei	nts for wirel	ess power	transmitte	ers	N/A
Supply volta	age (V)				in Mr.	, L	_		
Max. transr	nit powe	er of transn	nitter (W)		- LEX	atter at	TEK WITE	WILLEY.	_
11.010001010101101				ceiver and ct contact		iver and at of 2 mm	with receiver and distance of 5 mr		
Foreign of	ojects	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)
11. 22.		L J+	z et	TEX-	NIE JUIE	" Interest	nr an	z_n	20 2.
Supplemen	tary info	rmation:							

5.4.1.4, 9.3, B.1.5, B.2.6	TABLE: Tem	perature m	easureme	ents	MULLE W	iek iek	JUNE V	TEN DELET
Supply volt	age (V)		:	4.2VDC	r. als	2/12	- a,	
Ambient ter	mperature durin	g test T _{amb}	(°C):	25.0	d _d	5 / /	JEK - NITE	_
Maximum r	neasured tempe		Allowed T _{max} (°C)					
PCB near L	J4	, et	all i	26.8	MILTE	nue aur	21/2	130
PCB near L	J3	28.4		16 JE	- LIEN .	130		
Surface of b	oattery	All S	it outs	27.0	150 11	7000	711. 21	60
Internal wire	No. THE CH	in the		26.7	et s	EK JEK	LIFE MY	80
Internal end	closure	Et JEY	W.L.T.E.	26.4	in	1,11	, , , , ,	Ref.
External en	closure	2/1	2.	26.3	y JEH	TEN IS	LIET WILLE	W. 22 W.
Switch	TEX JEX	- Lifet .	NITER W	28.3	"The	14, 14,		77
Botton	Mrs. Mrs.	10, 1		27.6	C. C.	CLI EN TOLI	" WILL S	77
Temperatur winding:	re T of	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	$R_2(\Omega)$	T (°C)	Allowed T _{max} (°C)	Insulation class
- 1	x x	Et - E	- <u>, , , , , , , , , , , , , , , , , , ,</u>	1/11 d	r m.	- off	m - n	

Supplementary information:

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

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

- 1. Test 1 charger mode; test 2 discharger mode
- 2. Battery charging temperature upper limit is 45°C
- 3. The maximum operating temperature is 40°C.

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





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B.2.5	B.2.5 TABLE: Input test						P+			
U (V)	Hz	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status		
5VDC		0.417	0.5	1.55	TEX	MITEK	NV IN C	Powered by 5VDC with empty battery(at battery charging mode)		
4.2VDC	71	0.030	y unit	0.135	MITE T	UTEK W	NETE <mark>K</mark>	Powered by Li-ion Battery (Discharging mode with fully charged battery)		

Supplementary information:

¹⁾ Supply by external DC source, ²⁾ Measured battery cells voltage and current. The maximum measured current under rated voltage did not exceed 110% of the rated current.

B.3, B.4 TA	BLE: Abnor	mal operating	g and fau	It condit	ion tests	EX SEX SEX	TO P	
Ambient tempe	erature T _{amb} (°C)	±		: See b	pelow	_	
Power source	for EUT: Man	ufacturer, mo	del/type, d	outputrati	ng:	it ster with a		
Component No.	Condition	Supply voltage (V)	Test time	Fuse no.	Fuse current (A)	Observation	1	
Speaker	SC	4.2	30min	lier an	0.024	Speaker no voice, no o hazard.	damage,no	
Powered by 5\	/DC with emp	oty battery(at I	oattery ch	arging m	ode)	WALL WALL	140 14	
B+ to P-	sc	5VDC	7h		0.417	Unit normal working, n damaged, No hazard.	OF WALT	
Capacitance	SC	5VDC	10mins	MUS	0.01	Unit shut down, no damaged, N		
Powered by Li	ion Battery (I	Discharging m	ode with	fully char	ged battery)	1115 111 111		
B+ to B-	SC	4.2VDC	10min	TEX-	0	Unit shut down, no dar hazard.	naged, No	
C1	SC	4.2VDC	10min	y 178	0.01	Unit shut down, no damaged, Nazard.		
B- to P+	SC TE	4.2VDC	7h	211	0.042	Unit shut down, no damaged, I hazard.		

Supplementary information:

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

¹⁾ Supply by external DC source, ²⁾ Measured battery cell voltage and current. Test table is provided to record abnormal and fault conditions for all applicable energy sources including Thermal burn injury. Column "Abnormal/Fault." Specify if test condition by indicating "Abnormal" then the condition for a Clause B.3 test or "Single Fault" then the condition for Clause B.4.





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Clause	Requirement – Test	The Maria Maria	Result – Remark	Verdict

M.3	TABLE: Pr	otection circu	ection circuits for batteries provided w					the equ	uipment	.⊬ P⊬
Is it possible	to install the	battery in a re	verse pol	larity	position?	;	SEE.	WITE.	alle aller	_
					C	Charg	ging			
Equipment S	Specification		Voltage	(V)					Current (A)	
		in intile in	5Vdd	0	20 J				0.3A	TEX TE
					Battery	/ spe	cifica	tion		
		Non-recharge	able batte	eries			Rec	hargeat	ole batteries	
5 5			Unintent		(Char	ging		Discharging	Reverse
Manufacturer/type		current (A)	chargi current		Voltage	(V)	Curr	ent (A)	current (A)	charging current (A)
EN EN TECHNOL	DONG GUAN YU XIN EN ENERGY TECHNOLOGY CO., LTD. / 503035		NITER V		3.7	WA.	o o	.03	0.5	white whit
Note: The tes	sts of M.3.2 a	re applicable o	nly when	abov	e appropr	iate (data is	s not ava	ailable.	
Specified ba	ttery tempera	ature (°C)			- 1/1	:	70	4	10-45	
Component No.	Fault condition	Charge/ discharge mo		est ne	Temp. (°C)		rrent A)	Voltage (V)	Obs	ervation
Battery (charge base) (C6)	SC (Charge	7	h Life	LITER		0	0	Unit shutd immediate Recoverate damaged,	ly.
Supplementa	ary informatio	n:								
()	00 1 4	. dl. 000		.	-4 1	d	- 24	NO	- 44	A

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.

M.4.2	TABLE: battery	Charging saf	eguards for	equipment c	onta	aining a se	econdary lithium	P	
Maximum	specified o	charging voltag	e (V)	<u>, atat</u>		4.0	WILL MILL	_	
Maximum	specified o	charging currer	nt (A)	70		5	et et		
Highest s	pecified cha	arging tempera	ture (°C)	<u></u>	(1 ⁶	45	VEL MUE ME		
Lowest sp	pecified cha	arging tempera	ture (°C)	20 20		10	et let ill		
, , ,		Operating		Measuremen	ıt		Observat	tion	
manufact	nanufacturer/type and fa condit		Charging voltage (V)	Charging current (A)		Temp. (°C)			
Lowest sp	ecified cha	rging temperati	ure: 10°C (Bat	tery (earbuds))		et et	det d	
DONG GI XIN EN E TECHNO	NERGY LOGY	Normal	4.2	0.0232	ter	Battery mperature: 10°C	The battery chargi decreases	ng current	
CO., LTD	. / 503035	Abnormal-	TEK MITE	Mr. Mr.	V	211,5 211	- 20, 20,		
WILLEY V	intite mut	Single fault – (U1 pin 2-	ar offit	aliek nije	ter	Battery mperature:	The battery chargi	ing current	





Life Mail	Mr. Mr. All	IEC62368-1	LIET WITE WHITE WI	Tip Muil Mil.
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* * *	6)	LITER MITTER	Mrs. Mr	10°C	decreases
Highest specified cha	rging temperat	ure: 45°C (Ba	ttery (charge	base))	EL OLIE MILL MILL
DONG GUAN YU XIN EN ENERGY TECHNOLOGY	Normal	4.20	0.0232	Battery temperature: 10°C	The battery charging circuit stop charging
CO., LTD. / 503035	Abnormal-	mr m	2.	JE JE	-Tel Jet Jiet wil
	Single fault – (C6)	unlife while	Muzze M	Battery temperature: 10°C	The battery charging circuit stop charging

Supplementary information:

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

Q.1	TABLE: Circuits intended for interconnection with building wiring (LPS) N/A						
Output Circuit	Condition	11 (\(\(\) \(\)	Time (a)	I _{sc}	(A)	S	(VA)
Circuit	Condition	U _{oc} (V)	Time (s)	Meas.	Limit	Meas.	Limit
11/2 11	40 4	t et	JEH N	TER WITE	WILL W	r. mr	211. 21
TEX IN	at at	Juni	2		35	et let	JEK SI
in our			LIEN SLIFE		Sunt	ane.	20, 20,
TEX JIEN						- Litt	LIEN SLIE

Supplementary Information:

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

T.2, T.3, T.4, T.5	TABLE: S	teady force te	est			IER MITEL WAITER WAITER WAIT PEN
Location / Part	Material	Thickness (mm)	Probe	Force (N)	Test Duration (s)	Observation
Enclosure top(T.4)	Plastics*	See table 4.1.2	 	100	5 th	Enclosure remained intact, no crack/ opening developed
Enclosure side(T.4)	Plastics*	See table 4.1.2	-5/12	100	5	Enclosure remained intact, no crack/ opening developed
Enclosure bottom (T.4)	Plastics*	See table 4.1.2	1/AL	100	5	Enclosure remained intact, no crack/ opening developed

Supplementary information:

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

T.6, T.9	TABLE: Impa	ct test	50°	et set set set seet es	N/A
Location/Pa	rt Material	Thickness (mm)	Height (mm)	Observation	

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	IEC62368-1								
Clause	Requirement – Test	Mr. M	Result – Remark	Verdict					
1/2	an an a	A All	iter alle mile april	The Marie					
	TEX TEX STEELS	With Must M							
11/17 21	1 1/1 1/1 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/	4 14 3	TEX SLIER WITE SMITE	Merc Merc M					
at a	TEX STER ON EX SOUTH STON	it with Au	The state of	At All S					
Suppleme	ntary information:	·							
*Test was	performed on product with each s	source listed in tab	le 4.1.2.	et et e					

T.7	TABLE: Drop	test		When the Pit
Location/Par	t Material	Thickness (mm)	Height (mm)	Observation
Enclosure Top	Metal*	See table 4.1.2	1000	Enclosure remained intact, no crack/ opening developed. No hazards.
Enclosure Side	Plastics*	See table 4.1.2	1000	Enclosure remained intact, no crack/ opening developed. No hazards.
Enclosure Bottom	Metal*	See table 4.1.2	1000	Enclosure remained intact, no crack/ opening developed. No hazards.

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

T.8 T.	ABLE: Stres	s relief test			THE MITTER MITTER MITTER
Location/Part	Material	Thickness (mm)	Oven Temperatur e (°C)	Duration (h)	Observation
Enclosure	Plastic*	See table 4.1.2	70°C	7h	Enclosure remained intact, no cracking/opening developed in the enclosure joint. No hazards.

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

X	TABLE: Alternat	TABLE: Alternative method for determining minimum clearances distances								
	Clearance distanced between:	Peak of working voltage (V)	Required cl (mm)	Measur (mm						
	TEK SIFE WITE WATER	Why on an	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Alt St	t LIEK					
Su	pplementary information:									
. 6	TEN OUTER OUTER MOUTE	Wer. Mr. In.	s st st	LET JET	LITER ON					



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IEC62368-1							
Clause	Requirement – Test	Result – Remark	Verdict				

4.1.2	TABLE: Critical components information				
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹
Plastic enclosure	CHI MEI CORPORATION	PA-757(+)	HB, 80°C, Min. Thickness 1.5mm	UL 94, UL 746	UL E56070
Li-ion Battery	DONG GUAN YU XIN EN ENERGY TECHNOLOGY CO., LTD.	503035	3.7V, 500mAh	IEC 62133- 2:2017	Report No.: NTC200475 94XI1-1
- PCB	GOLDENMAX INTERNATIONAL TECHNOLOGY (ZHUHAI) LTD	GDM-C3, ILM- C3	V-0, 130°C	UL 796	UL E330731
Alternative	Interchangeable	Interchangeabl e	V-0, 130°C	UL 796	UL LIEK

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





Reference No.: WTF22D07136434Y

Model: MO9920



Photo 1



Photo 2







Photo 3



Photo 4







Photo 5



Photo 6

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Photo Documentation



Photo 7



Photo 8





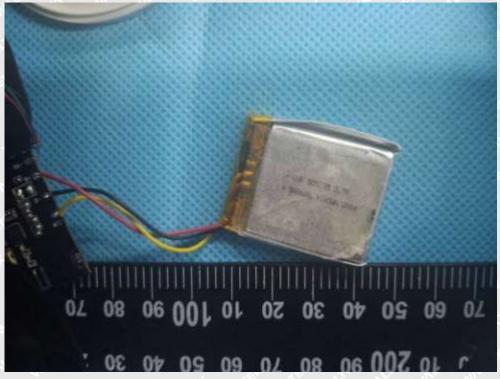


Photo 9

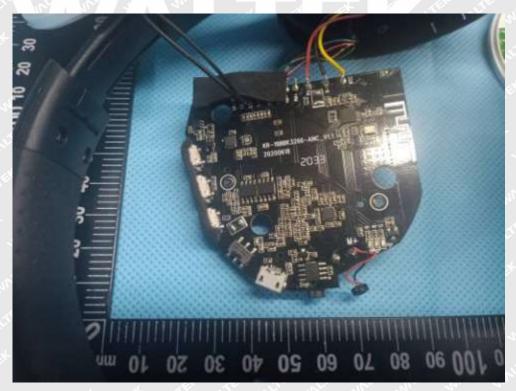


Photo 10



Reference No.: WTF22D07136434Y



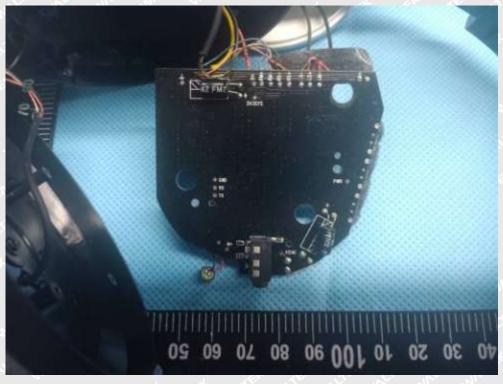


Photo 11

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