

TEST REPORT

Reference No	WTF21D09103358Y
Applicant	Mid Ocean Brands B.V.
Address	7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong
Manufacturer	110075
Address	I get get assist marter and substances and and and and
Product	Wireless charging office lamp with speaker
Model(s)	MO9675
Total pages	57 + 5 pages of photo documentation
Standards	EN 62368-1:2014+A11:2017
	Audio/video, information and communication technology equipment- Part 1:Safety requirements
Date of Receipt sample	2021-10-08
Date of Test	2021-10-08 to 2021-10-25
Date of Issue	2021-12-03
Test Result	Pass a second property of the second s

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.

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Compiled by:

Lin

Gary Liu / Project Engineer

Approved by:

Sam Qi / Designated Reviewer

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: Wireless charg	ing office lamp with speaker
:: МОВ	
ence MO9675	
: Input: 5V=, 2. Wireless outpu	
or the product have been sub No st items and lab information: ation:	contracted to other labs:
e of test and test clause): 2017 All applicable test	Testing location: Waltek Testing Group Co., Ltd. Address: No.77,Houjie Section, Guantai Road, Houjie Town, Dongguan City, Guangdong, China
ce with National Differences sed: National Differences and (
et allet intreasing	
.00	HIT WALL WALL
	480MHz Bm (EIRP) 5kHz
	Input: 5V ==, 2. Wireless output or the product have been sub No st items and lab information: ation: e of test and test clause): 2017 All applicable test ce with National Differences and of sed: National Differences and of the sed: National Differences and of the sed the sed the sed

Manufacturer must be affixed on the product when the product placed on the EU market. For the final productions, the additional marking which do not give rise to misunderstanding may be added.

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TEST ITEM PARTICULARS:	Nº2	which which will be the	
Classification of use by:	 Ordinary person Instructed person Skilled person Children likely to be present 		
Supply Connection:	□ AC Mains □ DC Mains □ External Circuit - not Mains connected - □ ES1 □ ES2 □ ES3		
Supply % Tolerance:	□+10%/-10% □+20%/-15% □+6%/ -10% ⊠ None		
Supply Connection – Type:	 pluggable equipment type A - non-detachable supply cord appliance coupler direct plug-in mating connector pluggable equipment type B - non-detachable supply cord appliance coupler permanent connection mating connector ⊠ other: not directly connected to the mains 		
Considered current rating of protective device as part of building or equipment installation	Insta	llation location: □building; ⊠equipment	
Equipment mobility:	Movable hand-held transportable stationary for building-in direct plug-in rack-mounting wall-mounted		
Over voltage category (OVC): Class of equipment:	OVC I OVC II OVC III OVC IV Other: not directly connected to the mains. Class I Class II Class III		
Access location	□ restricted access location		
Pollution degree (PD)			
Manufacturer's specified maxium operating ambient:	40°C		
IP protection class			
Power Systems	\square TN \square TT \square IT $-$ V $_{L-L}$		
Altitude during operation (m)	⊠ 2000 m or less □ m		
Altitude of test laboratory (m):			
Mass of equipment (kg):	⊠ 0	34kg	
POSSIBLE TEST CASE VERDICTS:	S.C.	white white white white white and	
- test case does not apply to the test object:		N/A	

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- test object does meet the requirement	P (Pass)
- test object does not meet the requirement:	F (Fail)
TESTING:	in me me in it it
Date of receipt of test item	2021-10-08
Date (s) of performance of tests 2021-10-08 to 2021-10-25	
GENERAL REMARKS:	
The test result presented in this report relate only to the This report shall not be reproduced, except in full, without laboratory.	
The report would be invalid without specific stamp for test	institute or the authority.
The report would be invalid without the signatures of repo	rter and reviewer.
"(see Enclosure #)" refers to additional information appen "(see appended table)" refers to a table appended to the	
Throughout this report a \square comma / \boxtimes point is used	d as the decimal separator.
GENERAL PRODUCT INFORMATION:	to all the state with matter with
Product Description	when which we we are
1. The equipment with model MO9675 is Wireless chargin Class III equipment.	ng office lamp with speaker, which is classified as
2. The equipment is powered by an external DC source of	r Rechargeable Li-ion Battery.

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3. The maximum operating temperature is 40°C.

Model Differences

N/A

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



ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE: (Note 1: Identify the following six (6) energy source forms based on the origin of the energy.) (Note 2: The identified classification e.g., ES2, TS1, should be with respect to its ability to cause pain or injury on the body or its ability to ignite a combustible material. Any energy source can be declared Class 3 as a worse case classification e.g. PS3, ES3. Electrically-caused injury (Clause 5): (Note: Identify type of source, list sub-assembly or circuit designation and corresponding energy source classification) Example: +5 V dc input ES1 Source of electrical energy Corresponding classification (ES) Input and internal circuit ES1 ES1 Wireless output ES1 Speaker Electrically-caused fire (Clause 6): (Note: List sub-assembly or circuit designation and corresponding energy source classification) Example: Battery pack (maximum 85 watts): PS2

Source of power or PIS	Corresponding classification (PS)		
5V input and internal circuit	PS1		
Wireless output	PS1		
Speaker	PS1		

Injury caused by hazardous substances (Clause 7)

(Note: Specify hazardous chemicals, whether produces ozone or other chemical construction not addressed as part of the component evaluation.)

Example: Liquid in filled component	Giycol
Source of hazardous substances	Corresponding chemical
N/A	N/A

Mechanically-caused injury (Clause 8)

(Note: List moving part(s), fan, special installations, etc. & corresponding MS classification based on Table 35.)

Example: waii mount unit	MISZ STATES		
Source of kinetic/mechanical energy	Corresponding classification (MS)		
Sharp edges and Corners	MS1		
Equipment mass	MS1		

Thermal burn injury (Clause 9)

(Note: Identify the surface or support, and corresponding energy source classification based on type of part, location, operating temperature and contact time in Table 38.) Example: Hand-held scanner – thermoplastic enclosure TS1

Source of thermal energy	Corresponding classification (TS)
External enclosure	TS1

Radiation (Clause 10)

(Note: List the types of radiation present in the product and the corresponding energy source classification.) Example: DVD – Class 1 Laser Product RS1

Type of radiation	Corresponding classification (RS)
LED indicating lights	RS1



Clause	Possible Hazard			
5.1	Electrically-caused injury			1
Body Part	Energy Source	at at	Safeguards	I NITE .
(e.g. Ordinary)	(ES3: Primary Filter circuit)	Basic	Supplementary	Reinforced (Enclosure)
Ordinary person, Instructed person, Skilled person	ES1: Input and internal circuit ES1: Wireless output ES1: Speaker	N/A	N/A	N/A
6.1	Electrically-caused fire	e st	at at	5 ⁴ .5 ⁴
Material part	Energy Source	NUTE NALIT	Safeguards	2m
(e.g. mouse enclosure)	(PS2: 100 Watt circuit)	Basic	Supplementary	Reinforced
Internal combustible material	PS1: 5V input and internal circuit PS1: Wireless output PS1: Speaker	N/A	N/A	N/A
7.1 John John Martin Martin	Injury caused by hazard	ous substance	s it it	JER JE
Body Part	Energy Source	Safeguards		
(e.g., skilled)	(hazardous material)	Basic	Supplementary	Reinforced
N/A	N/A	N/A	N/A	N/A
8.1	Mechanically-caused injury			t At
Body Part	Energy Source	Safeguards		
(e.g. Ordinary)	(MS3:High Pressure Lamp)	Basic	Supplementary	Reinforced (Enclosure)
Ordinary person, Instructed person, Skilled person	MS1: Sharp edges and Corners	N/A	N/A	N/A
Ordinary person	MS1: Equipment mass	N/A	N/A N	N/A
9.1 1	Thermal Burn		A A A	t st
Body Part	Energy Source	Safeguards		
(e.g., Ordinary)	(TS2)	Basic	Supplementary	Reinforced
Ordinary person, Instructed person, Skilled person	TS1: External enclosure	N/A	N/A	N/A
10.1	Radiation	15 16	t tet ten	NUTE MUT
Body Part	Energy Source	mer mer	Safeguards	
(e.g., Ordinary)	(Output from audio port)	Basic	Supplementary	Reinforced
Ordinary (LED indicating lights)	RS1 S	N/A	N/A	N/A

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- m	IEC/EN 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
4	GENERAL REQUIREMENTS	<u> </u>	P		
4.1.1	Acceptance of materials, components and subassemblies	Considered in end system	P		
4.1.2	Use of components	(See appended table 4.1.2)	P.		
4.1.3	Equipment design and construction	me me in the	Р		
4.1.15	Markings and instructions	(See Annex F)	P		
4.4.4	Safeguard robustness	in an an at	- P.		
4.4.4.2	Steady force tests	(See Annex T.5)	_√ [™] P		
4.4.4.3	Drop tests	a at at all	N/A		
4.4.4.4	Impact tests	(See Annex T.6)	NIL P		
4.4.4.5	Internal accessible safeguard enclosure and barrier tests	wiret whitet whitet whitet	N/A		
4.4.4.6	Glass Impact tests	No glass used	⊘ N/A		
4.4.4.7	Thermoplastic material tests	(See Annex T.8)	P		
4.4.4.8	Air comprising a safeguard	(See Annex T)	N/A		
4.4.4.9	Accessibility and safeguard effectiveness	The white white white white	P		
4.5	Explosion	No explosion	P		
4.6	Fixing of conductors	2 541- 241	N/A		
4.6.1	Fix conductors not to defeat a safeguard	ter an and suffer	N/A		
4.6.2	10 N force test applied to	when when we we	N/A		
4.7	Equipment for direct insertion into mains socket - outlets	stret waited waited waite wa	N/A		
4.7.2	Mains plug part complies with the relevant standard	et muset white white white	N/A		
4.7.3	Torque (Nm)	at at at at	N/A		
4.8	Products containing coin/button cell batteries	No coin/button cell battery used	N/A		
4.8.2	Instructional safeguard	let tet stet stet	N/A		
4.8.3	Battery Compartment Construction	we we we we w	N/A		
where y	Means to reduce the possibility of children removing the battery	Lifet whilet whilet while whi	_		
4.8.4	Battery Compartment Mechanical Tests	t let let the the	Ň/A		
4.8.5	Battery Accessibility	when when when when	N/A		
4.9	Likelihood of fire or shock due to entry of conductive object	See annex P	N PN		

5		ELECTRICALLY-CAUSED INJURY		Р
5.2	2.1	Electrical energy source classifications	(See appended table 5.2)	N/A

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Clause	Requirement – Test	Result – Remark	Verdict	
5.2.2	ES1, ES2 and ES3 limits	Considered as ES1	P	
5.2.2.2	Steady-state voltage and current	(See appended table 5.2)	N/A	
5.2.2.3	Capacitance limits	Mar Mar Mar Str	N/A	
5.2.2.4	Single pulse limits	No single pulse introduced	N/A	
5.2.2.5	Limits for repetitive pulses	No repetitive pulses introduced	N/A	
5.2.2.6	Ringing signals	No ringing signal generated	N/A	
5.2.2.7	Audio signals	and the second	N/A	
5.3	Protection against electrical energy sources	iter intre- while while wh	N/A	
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	of street surfect sources would	N/A	
5.3.2.1	Accessibility to electrical energy sources and safeguards	Tet Lifet wiret minet	N/A	
5.3.2.2	Contact requirements	men me me	N/A	
white	a) Test with test probe from Annex V	ift ift with all the with a	N/A	
dt.	b) Electric strength test potential (V)	in the main the	N/A	
where w	c) Air gap (mm)	tet atter atter and and	N/A	
5.3.2.4	Terminals for connecting stripped wire		N/A	
5.4	Insulation materials and requirements	and the working working	N/A	
5.4.1.2	Properties of insulating material		N/A	
5.4.1.3	Humidity conditioning	muter white white white	N/A	
5.4.1.4	Maximum operating temperature for insulating materials	(See appended table 5.4.1.4)	N/A	
5.4.1.5	Pollution degree	Pollution degree 2 considered	- *	
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	WATER MALTE WALL WALL	N/A	
5.4.1.5.3	Thermal cycling	Tet the street with	N/A	
5.4.1.6	Insulation in transformers with varying dimensions	when when the street	N/A	
5.4.1.7	Insulation in circuits generating starting pulses	and my me me n	N/A	
5.4.1.8	Determination of working voltage	(See appended table 5.4.1.8)	N/A	
5.4.1.9	Insulating surfaces	me me me me	N/A	
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	WATER WALTER WALTER WALTE	N/A	
5.4.1.10.2	Vicat softening temperature	at let let 5th	N/A	
5.4.1.10.3	Ball pressure	(See appended table 5.4.1.10.3)	N/A	
5.4.2	Clearances	at at at at	N/A	
5.4.2.2	Determining clearance using peak working voltage	(See appended table 5.4.2.2)	N/A	



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Clause	Requirement – Test	Result – Remark	Verdict
			- M
5.4.2.3	Determining clearance using required withstand voltage	(See appended table 5.4.2.3)	N/A
the second	a) a.c. mains transient voltage	which when when we	_
LIE MAI	b) d.c. mains transient voltage	No such transient voltage	_
1 1	c) external circuit transient voltage	No such transient voltage	
watt	d) transient voltage determined by measurement	No need to conduct this test	<u>n</u> —
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	Procedure 2 considered	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	Clearance distance was evaluated for altitude up to 2000m above sea level	N/A
5.4.3	Creepage distances	(See appended table 5.4.3)	N/A
5.4.3.1	General	when when we are	N/A
5.4.3.3	Material Group	Material group IIIb is assumed to be used	<u> </u>
5.4.4	Solid insulation	ist set ster street all	N/A
5.4.4.2	Minimum distance through insulation		N/A
5.4.4.3	Insulation compound forming solid insulation	at all the surface	N/A
5.4.4.4	Solid insulation in semiconductor devices		N/A
5.4.4.5	Cemented joints	offer offer with white	N/A
5.4.4.6	Thin sheet material	we all a start	N/A
5.4.4.6.1	General requirements	ister aliter antifer water wa	N/A
5.4.4.6.2	Separable thin sheet material		N/A
ne ren	Number of layers (pcs)	et milet while while while	N/A
5.4.4.6.3	Non-separable thin sheet material	and the let	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	white white white white	N/A
5.4.4.6.5	Mandrel test	TEX STER MUTER WALTE W	N/A
5.4.4.7	Solid insulation in wound components	the second secon	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz	TEX NUTER WITE WATE WAT	N/A
5.4.5	Antenna terminal insulation	and the set	N/A
5.4.5.1	General	and and and and white	N/A
5.4.5.2	Voltage surge test	a state st	N/A
- CIV-	Insulation resistance (MΩ)	white white white whe	
5.4.6	Insulation of internal wire as part of supplementary safeguard	The with antick and the an	N/A
5.4.7	Tests for semiconductor components and for cemented joints	at left left stat and	N/A



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Clause	Requirement – Test	Result – Remark	Verdict	
5.4.8	Humidity conditioning	With Martin Martin	N/A	
un stan	Relative humidity (%)	et the wife outer	NULL -	
* *	Temperature (°C)	and any and		
the shirt	Duration (h)	STREE NUTRE WATCH	m ¹ . —	
5.4.9	Electric strength test	A A	N/A	
5.4.9.1	Test procedure for a solid insulation type test	NUTER UNITED MALIE MA	N/A	
5.4.9.2	Test procedure for routine tests	i i it it it	N/A	
5.4.10	Protection against transient voltages between external circuit	The survey of the survey of	N/A	
5.4.10.1	Parts and circuits separated from external circuits	white white white	N/A	
5.4.10.2	Test methods	The street with a	N/A	
5.4.10.2.1	General	me man	N/A	
5.4.10.2.2	Impulse test	stret with white whi	N/A	
5.4.10.2.3	Steady-state test		N/A	
5.4.11	Insulation between external circuits and earthed circuitry	Tet white white white	N/A	
5.4.11.1	Exceptions to separation between external circuits and earth	at anuter	N/A	
5.4.11.2	Requirements		N/A	
	Rated operating voltage U _{op} (V)	mer mer mer m		
MALTE N	Nominal voltage U _{peak} (V)	alt alt alt with	- ¹	
1	Max increase due to variation U _{sp}	e. Mr. m. m.		
where wh	Max increase due to ageing ΔU_{sa}	Et wet with with	white -	
to the	$U_{op} = U_{peak} + \Delta U_{sp} + \Delta U_{sa}$	Mr. In Cont	A -	
5.5	Components as safeguards	NUTER INTER MADE IN	We we w	
5.5.1	General	in the	N/A	
5.5.2	Capacitors and RC units	MUTER MALTE WALT WA	N/A	
5.5.2.1	General requirement	a st st st	N/A	
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	The watthe watthe watthe	N/A	
5.5.3	Transformers	* NUTER UNITE MALIE	N/A	
5.5.4	Optocouplers	in at at	N/A	
5.5.5	Relays	WITE WALTE WALT W	N/A	
5.5.6	Resistors	i it it i	🧄 🖉 N/A	
5.5.7	SPD's	NETE MALT WALL WAL	N/A	
5.5.7.1	Use of an SPD connected to reliable earthing		N/A	

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<u></u>	IEC/EN 62368	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Clause	Requirement – Test	Result – Remark	Verdict
5.5.7.2	Use of an SPD between mains and protective earth	at the test of	N/A
5.5.8	Insulation between the mains and external circuit consisting of a coaxial cable	white white white	N/A
5.6	Protective conductor	WALTE WALTE WALT	N/A
5.6.2	Requirement for protective conductors	s at at	N/A
5.6.2.1	General requirements	NUTE WALL WITH W	N/A
5.6.2.2	Colour of insulation	1 18 18 5	N/A
5.6.3	Requirement for protective earthing conductors	in which which which	N/A
n n	Protective earthing conductor size (mm ²)	MALT WALL WAL	-m -
5.6.4	Requirement for protective bonding conductors	at at at	N/A
5.6.4.1	Protective bonding conductors	White white where y	N/A
A STER	Protective bonding conductor size (mm ²)	at at let	st
10	Protective current rating (A)	in more more m	
5.6.4.3	Current limiting and overcurrent protective devices	et white white white	N/A
5.6.5	Terminals for protective conductors	at the	N/A
5.6.5.1	Requirement	a chris	N/A
FER WALTE	Conductor size (mm ²), nominal thread diameter (mm)	MITE MALTE WALTH	N/A
5.6.5.2	Corrosion	e at at	N/A
5.6.6	Resistance of the protective system	TE MALT WALL WAL	N/A
5.6.6.1	Requirements	e at at all	N/A
5.6.6.2	Test Method Resistance (Ω)	while when whe	N/A
5.6.7	Reliable earthing	to the set	N/A
5.7	Prospective touch voltage, touch current and pro	tective conductor current	N/A
5.7.2	Measuring devices and networks	the set still a	N/A
5.7.2.1	Measurement of touch current	in the the se	N/A
5.7.2.2	Measurement of prospective touch voltage	et stet with with	N/A
5.7.3	Equipment set-up, supply connections and earth connections	- it it it	N/A
18 - 51	System of interconnected equipment (separate connections/single connection)	white white white	
with t	Multiple connections to mains (one connection at a time/simultaneous connections)	white white white a	
5.7.4	Earthed conductive accessible parts	LIEK INLIER UNLIE MAL	N/A
5.7.5	Protective conductor current		N/A

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Clause	Requirement – Test	Result – Remark	Verdict	

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	Measured current (mA)	—
when y	Instructional Safeguard	N/A s
5.7.6	Prospective touch voltage and touch current due to external circuits	N/A
5.7.6.1	Touch current from coaxial cables	N/A
5.7.6.2	Prospective touch voltage and touch current from external circuits	N/A
5.7.7	Summation of touch currents from external circuits	N/A
UNLIFEK WI	a) Equipment with earthed external circuits Measured current (mA)	N/A
thek mit	b) Equipment whose external circuits are not referenced to earth. Measured current (mA)	N/A

6	ELECTRICALLY- CAUSED FIRE	5	Р
6.2	Classification of power sources (PS) and potenti	al ignition sources (PIS)	Р
6.2.2	Power source circuit classifications	set with with mile while	SUL,
6.2.2.1	General	AN AN A AT	Р
6.2.2.2	Power measurement for worst-case load fault	(See appended table 6.2.2)	P
6.2.2.3	Power measurement for worst-case power source fault	(See appended table 6.2.2)	Stat P
6.2.2.4	PS1	(See appended table 6.2.2)	Р
6.2.2.5	PS2	TEX WITE MITE WAIT WAY	N/A
6.2.2.6	PS3	N A A A	N/A
6.2.3 📣	Classification of potential ignition sources	et with mith white	√ [™] N/A
6.2.3.1	Arcing PIS	i shat the	N/A
6.2.3.2	Resistive PIS	method white white white y	N/A
6.3 🟑	Safeguards against fire under normal operating and abnormal operating conditions		P.
6.3.1 (a)	No ignition and attainable temperature value less than 90 % defined by ISO 871 or less than 300 °C for unknown materials	(See appended table 5.4.1.5, 6.3.2, 9.0, B.2.6)	Pre-
6.3.1 (b)	Combustible materials outside fire enclosure	when the second	N/A
6.4	Safeguards against fire under single fault conditi	ons of the state of the	n [©] P
6.4.1	Safeguard Method	Method of control fire spread used	Р
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	watter water waiter water w	N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	NUTER WAITER WAITER WAITER WAITE	N/A
6.4.3.1	General	1 A It It I	N/A



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Clause Requirement – Test 5.4.3.2 Supplementary Safeguards Special conditions if conductors on printer boards are opened or peeled 5.4.3.3 Single Fault Conditions	ed Result – Remark	Verdict N/A
Special conditions if conductors on printe boards are opened or peeled	ed	N/A
Special conditions if conductors on printe boards are opened or peeled	ed	
3433 Single Fault Conditions		N/A
	. 10 10 5th	N/A
Special conditions for temperature limite fuse	d by	N/A
6.4.4 Control of fire spread in PS1 circuits	INTE WALT WALL WALL W	N/A
6.4.5 Control of fire spread in PS2 circuits	a to the state of	N/A
6.4.5.2 Supplementary safeguards	In which when when	N/A
6.4.6 Control of fire spread in PS3 circuit	t at let let lit	N/A
6.4.7 Separation of combustible materials from PIS	n a	N/A
6.4.7.1 General	WITE MILL WALL V	N/A
6.4.7.2 Separation by distance	a at at at a	N/A
6.4.7.3 Separation by a fire barrier	it's white white when wh	N/A
6.4.8 Fire enclosures and fire barriers	at at let let it	N/A
6.4.8.1 Fire enclosure and fire barrier material properties	in and white some sol	N/A
6.4.8.2.1 Requirements for a fire barrier	LITE A MARK	N/A
6.4.8.2.2 Requirements for a fire enclosure		N/A
6.4.8.3Constructional requirements for a fire enclosure and a fire barrier	white white white white wh	N/A
6.4.8.3.1 Fire enclosure and fire barrier openings	LIEV LIFE WHITE MAIN WAI	N/A
6.4.8.3.2 Fire barrier dimensions	and the state	N/A
6.4.8.3.3 Top Openings in Fire Enclosure: dimensions(mm)	and white white white	N/A
Needle Flame test	TE ALTER MUTER MUTER	N/A
6.4.8.3.4 Bottom Openings in Fire Enclosure, cond met a), b) and/or c) dimensions (mm)		N/A
Flammability tests for the bottom of a fire enclosure		N/A
6.4.8.3.5Integrity of the fire enclosure, condition n a), b) or c)		N/A
6.4.8.4 Separation of PIS from fire enclosure an barrier distance (mm) or flammability rati		N/A
6.5 Internal and external wiring	iter wifer white white a	N/A
6.5.1 Requirements	m m m	N/A
6.5.2 Cross-sectional area (mm ²)	The Number of Street of Street	- m
6.5.3 Requirements for interconnection to build wiring		N/A

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a she	IEC/EN 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
6.6	Safeguards against fire due to connection to additional equipment	a and and and and and an	N/A		
and a	External port limited to PS2 or complies with Clause Q.1	a more when when when	N/A		

7	INJURY CAUSED BY HAZARDOUS SUBSTANCES		N/A
7.2	Reduction of exposure to hazardous substances	No such hazardous substances	N/A
7.3	Ozone exposure	No ozone production	N/A
7.4	Use of personal safeguards (PPE)	Mr. Mr. A.	N/A
Mar .	Personal safeguards and instructions	at the white white white	_
7.5	Use of instructional safeguards and instructions	ret ret sitet wiret	N/A
	Instructional safeguard (ISO 7010)	mer mer mer me	_
7.6	Batteries	at the star star in	N/A

8	MECHANICALLY-CAUSED INJURY		_s€ P
8.1	General	Edges and corners are classed as MS1	MILL ^P
8.2	Mechanical energy source classifications		Р
8.3	Safeguards against mechanical energy sources	15th 15th Million Million	N/A
8.4	Safeguards against parts with sharp edges and corners	No edges and corners	N/A
8.4.1	Safeguards	in the she we a	N/A
8.5	Safeguards against moving parts	No moving parts	N/A
8.5.1	MS2 or MS3 part required to be accessible for the function of the equipment	when we set the treet	N/A
8.5.2	Instructional Safeguard	white white white white	
8.5.4	Special categories of equipment comprising moving parts	NUTER WAITER WAITER WAITER WA	N/A
8.5.4.1	Large data storage equipment	a at at at a	N/A
8.5.4.2	Equipment having electromechanical device for destruction of media	at white white white white	N/A
8.5.4.2.1	Safeguards and Safety Interlocks	MITE WALL WALL WALL	N/A
8.5.4.2.2	Instructional safeguards against moving parts	s at at at	N/A_
- nu	Instructional Safeguard	white white whe whe w	
8.5.4.2.3	Disconnection from the supply	at at at at a	N/A
8.5.4.2.4	Probe type and force (N)	the and and and an	N/A
8.5.5	High Pressure Lamps	No high pressure lamps	N/A



5

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0	IEC/EN 623	the second second	Vendiet
Clause	Requirement – Test	Result – Remark	Verdict
8.5.5.1	Energy Source Classification	here mer mer and	N/A
8.5.5.2	High Pressure Lamp Explosion Test	et at any and	N/A
8.6	Stability	AND AND AND AND	N/A
8.6.1	Product classification	2	N/A
1 1	Instructional Safeguard	North and the second se	
8.6.2	Static stability	auter matter white white	~/ ¹ N/A
8.6.2.2	Static stability test	i i to the	N/A
m	Applied Force	ITTE WATE WATE WATE	<u></u>
8.6.2.3	Downward Force Test	a at at at	N/A
8.6.3	Relocation stability test	MULT WAS WIT W	N/A
LIE MLI	Unit configuration during 10° tilt	thet state states with	_
8.6.4	Glass slide test	me me me m	N/A
8.6.5	Horizontal force test (Applied Force)	. stet stret suret source	N/A
t	Position of feet or movable parts	She was seen as	
8.7	Equipment mounted to wall or ceiling	LIEK NITES INTE WATE W	N/A
8.7.1	Mounting Means (Length of screws (mm) and mounting surface)	the state with	N/A
8.7.2	Direction and applied force		N/A
8.8	Handles strength	No handles.	N/A
8.8.1	Classification	and the second	N/A
8.8.2	Applied Force	TITEL MUTEL WATE WATE	N/A
8.9	Wheels or casters attachment requirements	No wheels or casters.	N/A
8.9.1 🔊	Classification	ter intre-inner when we	N/A
8.9.2	Applied force		* -
8.10	Carts, stands and similar carriers	No carts or stands or other carriers.	N/A
8.10.1	General	aller multi walte walt	N/A
8.10.2	Marking and instructions	a to the	N/A
June 1	Instructional Safeguard	TET INTE WALT WALT V	In
8.10.3	Cart, stand or carrier loading test and compliance	et allet milet milet wat	N/A
to the	Applied force		<u> </u>
8.10.4	Cart, stand or carrier impact test	MITER MAILE MALL MALL	N/A
8.10.5	Mechanical stability	a at at at	N/A
-m	Applied horizontal force (N)	NITE WALL WALL WALL	m -
8.10.6	Thermoplastic temperature stability (°C)	i stat	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
an	MIN MIL WILL BE	TEL LIE MIL MIL	with with a
8.11	Mounting means for rack mounted equipment	Not rack mounted.	N/A
8.11.1	General	ist with number on the sol	N/A 📣
8.11.2	Product Classification	with the second	N/A
8.11.3	Mechanical strength test, variable N	a with out the south white	N/A
8.11.4	Mechanical strength test 250N, including end stops	tet stet stret wiret	N/A
8.12	Telescoping or rod antennas	No rod antennas.	N/A
In the second	Button/Ball diameter (mm)	the set state state	m ²

9	THERMAL BURN INJURY		JUL P JU
9.2	Thermal energy source classifications	Enclosure is classed as TS1	
9.3 🔊	Safeguard against thermal energy sources	fer with white white w	N/A
9.4	Requirements for safeguards	i i to the	~ N/A
9.4.1	Equipment safeguard	Martin White white white wh	N/A
9.4.2	Instructional safeguard	Instructional safeguard is not required	N/A

10	RADIATION		∿n_
10.2	Radiation energy source classification	The indicating lights were RS1.	_<* P _≤
10.2.1	General classification	The indicating lights were RS1.	Р
10.3	Protection against laser radiation	No laser radiation	o N/A [⊘]
the 1	Laser radiation that exists equipment:	the walt with wat way	
Jul al	Normal, abnormal, single-fault	a at at at at	N/A
m a	Instructional safeguard	white white white white	
LIER MITE	Tool	at set set when	
10.4	Protection against visible, infrared, and UV radiation	The indicating lights were RS1	Tet P
10.4.1	General	mer where where where we	N/A
10.4.1.a)	RS3 for Ordinary and instructed persons	at at let set as	N/A
10.4.1.b)	RS3 accessible to a skilled person	the way was not	N/A
NUTER WAL	Personal safeguard (PPE) instructional safeguard	A MUTER WAITER WAITER WAITER	_
10.4.1.c)	Equipment visible, IR, UV does not exceed RS1	The indicating lights were RS1	NOTE P NO
10.4.1.d)	Normal, abnormal, single-fault conditions	The indicating lights were RS1	1 P.1
10.4.1.e)	Enclosure material employed as safeguard is opaque	Safeguard is not required.	N/A
10.4.1.f)	UV attenuation	No UV.	N/A



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20	IEC/EN 623	68-1	$v_{\mu} = v_{\mu}$
Clause	Requirement – Test	Result – Remark	Verdict
10.4.1.g)	Materials resistant to degradation UV	No UV.	N/A
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
<u>b</u>	Exempt Group under normal operating conditions	where we we are	N/A
10.4.2	Instructional safeguard	Not required.	N/A
10.5	Protection against x-radiation	No X-radiation.	N/A
10.5.1	X- radiation energy source that exists equipment	(See appended table B.3 & B.4)	N/A
In a	Normal, abnormal, single fault conditions	the water when when we	N/A
NUTER IN	Equipment safeguards	at let tet the the	N/A
	Instructional safeguard for skilled person	where where where where	N/A
10.5.3	Most unfavourable supply voltage to give maximum radiation	Whitek whitek whitek white.	s —
10.4.1.g)Materials resistant to degradation UV.No UV.10.4.1.h)Enclosure containment of optical radiationNo required.10.4.1.i)Exempt Group under normal operating conditionsNo required.10.4.2Instructional safeguardNot required.10.5Protection against x-radiationNo X-radiation.10.5.1X- radiation energy source that exists equipment	Abnormal and single-fault condition	it it it it.	N/A
	att water water water wi	N/A	
10.6	Protection against acoustic energy sources	at at at at a	N/A
10.6.1	General	an white white all we	N/A
10.6.2	Classification	A AT A A A A A A A A A A A A A A A A A	N/A
4 A	Acoustic output, dB(A)		N/A
MALIN	Output voltage, unweightedr.m.s.	the state with a state	N/A
10.6.4	Protection of persons	and the the state	N/A
white a	Instructional safeguards	THE STEEL MUTER WATER WA	N/A
miner and		at the the state with	
JEX ALL		which will not state	—
t set		while while while while	1 -
10.6.5		MITER MAIL MALL MALL W	N/A
10.6.5.1	-	Tet water water water wat	N/A
NUTER WILL		A MALEK WALLEK WALLER WALLER	_
10.6.5.2	Corded listening devices with digital input	at let let let	N/A
-201	Maximum dB(A)	white white white white	-
10.6.5.3	Cordless listening device	at at set set	N/A
20. 1	Maximum dB(A)	his alle alle all an	

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m		IEC/EN 62368-1	Up any an
Clause	Requirement – Test	Result – Remark	Verdict

В	NORMAL OPERATING CONDITION TESTS, A CONDITION TESTS AND SINGLE FAULT CO		P
B.2	Normal Operating Conditions	MUT MUT MILL IN	Р
B.2.1	General requirements	(See summary of testing& appended test tables)	MIT P
er white	Audio Amplifiers and equipment with audio amplifiers	No audio amplifier circuits	N/A
B.2.3	Supply voltage and tolerances		N/A
B.2.5	Input test	(See appended table B.2.5)	<∿P
B.3	Simulated abnormal operating conditions	i i i it it it	Р
B.3.1	General requirements	(See appended table B.3&B.4)	~ P
B.3.2	Covering of ventilation openings	- A A A	N/A
B.3.3	D.C. mains polarity test	intro white white white s	N/A
B.3.4	Setting of voltage selector	No such voltage selector	N/A
B.3.5	Maximum load at output terminals	(See appended table B.3&B.4)	Р
B.3.6	Reverse battery polarity	at at at at at	N/A
B.3.7	Abnormal operating conditions as specified in Clause E.2.	and which which which which	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions	All safeguards remained effective.	Р
B.4	Simulated single fault conditions	white with white white w	R
B.4.2	Temperature controlling device open or short- circuited	No such controlling device	N/A
B.4.3	Motor tests	No motors used	N/A
B.4.3.1	Motor blocked or rotor locked increasing the internal ambient temperature	er watter watter watter wat	N/A
B.4.4	Short circuit of functional insulation	(See appended table B.4)	P
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.4)	THE 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	TE WALT WALL WALL WALL	N/A
B.4.5	Short circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.4)	N/A
B.4.6	Short circuit or disconnect of passive components	(See appended table B.4)	NUT PN
B.4.7	Continuous operation of components	Not intermittent or short-time operation equipment	N/A
B.4.8	Class 1 and Class 2 energy sources within limits during and after single fault conditions	et tet stet stet stret mile	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
			Verdice
B.4.9	Battery charging under single fault conditions	in the the second	N/A
С	UV RADIATION		N/A
C.1	Protection of materials in equipment from UV radiation	No UV radiation within the EUT.	N/A
C.1.2	Requirements	mer me me	N/A
C.1.3	Test method	tex ster ster with a	N/A
C.2	UV light conditioning test	no m m	N/A
C.2.1	Test apparatus	Tet wet with white white	N/A
C.2.2	Mounting of test samples	all the state	N/A
C.2.3	Carbon-arc light-exposure apparatus	at which which which which	_s∩N/A
C.2.4	Xenon-arc light exposure apparatus	m m the	N/A
D	TEST GENERATORS		N/A
D.1	Impulse test generators	L A At	
D.2	Antenna interface test generator	NUTER INFITE WALL WALL WALL WA	N/A
D.3	Electronic pulse generator	i s at at a	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONT	AINING AUDIO AMPLIFIERS	N/A
E.1	Audio amplifier normal operating conditions		N/A
10 - 10 -	Audio signal voltage (V)	and survey	
Set STE	Rated load impedance (Ω)		
E.2	Audio amplifier abnormal operating conditions	white white white white white	N/A
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND INSTRUCTIONAL SAFEGUARDS		P
F.1	General requirements	a at at at at	Р
n - m	Instructions – Language	Instructions in English are checked	
F.2	Letter symbols and graphical symbols	White white white white	1 P.
F.2.1 💉	Letter symbols according to IEC60027-1	a state state	<u>д</u> Р.,
F.2.2	Graphic symbols IEC, ISO or manufacturer specific	MITE WALT WALL WALL WALL	P
F.3 🕔	Equipment markings	LIER OLIER WALTE WALT WAL	<i>√</i> ^ℓ P
F.3.1	Equipment marking locations	Located on the enclosure surface	P
F.3.2 🖑	Equipment identification markings	a mile muse wait wat	ALC P
F.3.2.1	Manufacturer identification	See copy of marking plate	_
F.3.2.2	Model identification	See page 1 for details	_
F.3.3	Equipment rating markings	See copy of marking plate	С. Ро
F.3.3.1	Equipment with direct connection to mains	NUT WALL WITH MALL MALL	N/A
F.3.3.2	Equipment without direct connection to mains	See copy of marking plate	P

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Clause	Requirement – Test	Result – Remark	Verdict
F.3.3.3	Nature of supply voltage	DC	<u></u>
F.3.3.4	Rated voltage	5V	_
F.3.3.4	Rated frequency	- where the second second	_
F.3.3.6	Rated current or rated power	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_
F.3.3.7	Equipment with multiple supply connections	No multiple supply connection	N/A
F.3.4	Voltage setting device	No such device	N/A
F.3.5	Terminals and operating devices	and the state	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings	No mains appliance outlet	N/A
F.3.5.2	Switch position identification marking	No switch	N/A
F.3.5.3	Replacement fuse identification and rating markings	The street wiret wiret	N/A
F.3.5.4	Replacement battery identification marking	Mr. Mr. S. A.	N/A
F.3.5.5	Terminal marking location	stret while while while w	N/A
F.3.6	Equipment markings related to equipment classification	Class III Equipment	N/A
F.3.6.1	Class I Equipment	Mrs. Mrs. M.	N/A
F.3.6.1.1	Protective earthing conductor terminal	at antite wait	N/A
F.3.6.1.2	Neutral conductor terminal		N/A
F.3.6.1.3	Protective bonding conductor terminals	street out the antital amount of	N/A
F.3.6.2	Class II equipment (IEC60417-5172)	sit in a st	N/A
F.3.6.2.1	Class II equipment with or without functional earth	STEEL MALTER MAILE MAILE MA	N/A
F.3.6.2.2	Class II equipment with functional earth terminal marking	et waiter waiter waiter wait	N/A
F.3.7	Equipment IP rating marking	at the set states	_
F.3.8	External power supply output marking	white when when we	N/A
F.3.9	Durability, legibility and permanence of marking	ninet white white white	n ^{are} Bri
F.3.10	Test for permanence of markings	at at the state of	e کې
F.4	Instructions	the white when when when	Р
NUTER WAL	a) Equipment for use in locations where children not likely to be present – marking	* milet milet water water	N/A
104 110	b) Instructions given for installation or initial use	a at at at	Ster P
-201.	c) Equipment intended to be fastened in place	white white white where	N/A
A NUTER	d) Equipment intended for use only in restricted access area	and the state what we	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
- Mar		with and the and the and a	<u> </u>
	e) Audio equipment terminals classified as ES3 and other equipment with terminals marked in accordance F.3.6.1	set muset intret watter whit	N/A
1.5	f) Protective earthing employed as safeguard	s at at at	N/A
et set	g) Protective earthing conductor current exceeding ES2 limits	white white white white	N/A
m	h) Symbols used on equipment	where mines white white	N P
WALTER W	i) Permanently connected equipment not provided with all-pole mains switch	ret jet with with a	N/A
NUTEK IN	j) Replaceable components or modules providing safeguard function	at left left state and	N/A
F.5	Instructional safeguards	Instructional safeguards are not required.	N/A
A MUTER	Where "instructional safeguard" is referenced in the test report it specifies the required elements, location of marking and/or instruction	while while while while	N/A
G	COMPONENTS		Р
G.1	Switches		N/A
G.1.1	General requirements	No switch used	N/A
G.1.2	Ratings, endurance, spacing, maximum load	ALL MAILE WALL	N/A
G.2	Relays		N/A
G.2.1	General requirements	alife white white white	N/A
G.2.2	Overload test	sur sur st st	N/A
G.2.3	Relay controlling connectors supply power	LIER MUTE WALT WALT W	N/A
G.2.4	Mains relay, modified as stated in G.2	i i it it it	N/A
G.3	Protection Devices	set unite white white white	√ [™] N/A
G.3.1	Thermal cut-offs	a at at at	N/A
G.3.1.1a) &b)	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	which which which which	N/A
G.3.1.1c)	Thermal cut-outs tested as part of the equipment as indicated in c)	in which will be a	N/A
G.3.1.2	Thermal cut-off connections maintained and secure	it was was war war	N/A
G.3.2	Thermal links	and the waite while while	N/A
G.3.2.1a)	Thermal links separately tested with IEC 60691	No thermal link used	N/A
	Thormal links tosted as part of the equipment	The second second	N/A
G.3.2.1b)	Thermal links tested as part of the equipment		1 W/Y



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- an	IEC/EN 623	68-1	ap ap
Clause	Requirement – Test	Result – Remark	Verdict
where w	Test Voltage (V) and Insulation Resistance (Ω)	in white we want we	-
G.3.3	PTC Thermistors	No PTC used	N/A
G.3.4	Overcurrent protection devices	- let let let lite	N/A
G.3.5	Safeguards components not mentioned in G.3.	1 to G.3.5	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	Whitek whitek whitek white w	N/A
G.3.5.2	Single faults conditions	(See appended Table B.4)	N/A
G.4	Connectors	the way way we want	N/A
G.4.1	Spacings	Not directly connected to mains	N/A
G.4.2	Mains connector configuration	and an an an	N/A
G.4.3	Plug is shaped that insertion into mains socket-outlets or appliance coupler is unlikely	WALTER WALTER WALTER WALTER	N/A
G.5	Wound Components	at at the set	N/A
G.5.1	Wire insulation in wound components	with which which when we	N/A
G.5.1.2 a)	Two wires in contact inside wound component, angle between 45° and 90°	set water water waiter wait	N/A
G.5.1.2 b)	Construction subject to routine testing		N/A
G.5.2	Endurance test on wound components	a funt whe	N/A
G.5.2.1	General test requirements		N/A
G.5.2.2	Heat run test	white white when when it	N/A
NUTER	Time (s)	at let set ster a	j —
4	Temperature (°C)	or me me me me	_
G.5.2.3	Wound Components supplied by mains	et net with whet whit	N/A
G.5.3	Transformers	Mr. M. m.	N/A
G.5.3.1	Requirements applied (IEC61204-7, IEC61558-1/-2, and/or IEC62368-1)	watter watter watter watter	N/A
er nure	Position	at the state street	
at .	Method of protection	We me me in a	
G.5.3.2	Insulation	THE THE STREE MUTER ANY	N/A
de la	Protection from displacement of windings	Mr. In The A	
G.5.3.3	Overload test	t aller aller and and	_s/ [©] N/A
G.5.3.3.1	Test conditions	W W A A	N/A
G.5.3.3.2	Winding Temperatures testing in the unit	NUTER INTE MALL MALL	N/A
G.5.3.3.3	Winding Temperatures – Alternative test method	The super super super as	N/A
G.5.4	Motors	the star we want	N/A
G.5.4.1	General requirements	No motors used	N/A

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Clause	Requirement – Test	Result – Remark	Verdict
- Me-	Position	White with white	
G.5.4.2	Test conditions	at the state with	N/A
G.5.4.3	Running overload test	AND AND IN	N/A
G.5.4.4	Locked-rotor overload test	LIFE ALTER WATER	N/A
at at	Test duration (days)	Jun Jun	A -
G.5.4.5	Running overload test for d.c. motors in secondary circuits	WITTER WAITE WALTER WA	N/A
G.5.4.5.2	Tested in the unit	THE STREE WITH WITH	N/A
A	Electric strength test (V)	and the second	<i></i>
G.5.4.5.3	Tested on the Bench – Alternative test method; test time (h)	at white white white	N/A
at white	Electric strength test (V)		NUT -
G.5.4.6	Locked-rotor overload test for d.c. motors in secondary circuits	when when the set	N/A
G.5.4.6.2	Tested in the unit	mer which when when	N/A
INLIE N	Maximum Temperature	et the set all	N/A
st.	Electric strength test (V)	when any and	N/A
G.5.4.6.3	Tested on the bench – Alternative test method; test time (h)	at write	N/A
ier intre	Electric strength test (V)		N/A
G.5.4.7	Motors with capacitors	white white white white	N/A
G.5.4.8	Three-phase motors	all all all all	N/A
G.5.4.9	Series motors	in the the the	N/A
unite un	Operating voltage	et the street with	white -
G.6	Wire Insulation	an m a	N/A
G.6.1	General	when when white	N/A
G.6.2	Solvent-based enamel wiring insulation	24. 24.	N/A
G.7	Mains supply cords	white white white wh	N/A
G.7.1	General requirements		N/A
ne ne	Туре	LIER MALTE MALT WAL	- mar -
Set a	Rated current (A)	s at at at	
1. m	Cross-sectional area (mm ²), (AWG)	white white white	2m -
G.7.2	Compliance and test method	at at at	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	Mill with with w	N/A
G.7.3.2	Cord strain relief	NUTE WALTE WALL WAL	N/A
G.7.3.2.1	Requirements		N/A

Nr.	IEC/EN 623	68-1	he me
Clause	Requirement – Test	Result – Remark	Verdict
. where	an an an an	with with white white	when when
t	Strain relief test force (N)	the second second	
G.7.3.2.2	Strain relief mechanism failure	let outer white white	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm)	Nº 1 At	<u></u>
G.7.3.2.4	Strain relief comprised of polymeric material	MUTER WALTE MALL M	N/A
G.7.4	Cord Entry	s at at a	N/A
G.7.5	Non-detachable cord bend protection	INFIEL MALTE MALTE WAL	N/A
G.7.5.1	Requirements	a at at at	N/A
G.7.5.2	Mass (g)	LIE WALL WALL WALL	m -
Set of	Diameter (m)		. 5 ⁶⁸ —
n en	Temperature (°C)	white white and a	_
G.7.6	Supply wiring space	at let let	5 N/A
G.7.6.2	Stranded wire	MULT MULT MULT WIT	N/A
G.7.6.2.1	Test with 8 mm strand	set set set all	N/A
G.8	Varistors	hurs and and and	N/A
G.8.1	General requirements	let stat stat when	N/A
G.8.2	Safeguard against shock	with sure and	N/A
G.8.3	Safeguard against fire	at the second second	N/A
G.8.3.2	Varistor overload test		N/A
G.8.3.3	Temporary overvoltage	atter atter antistand	N/A
G.9 🦽	Integrated Circuit (IC) Current Limiters	The second second	N/A
G.9.1 a)	Manufacturer defines limit at max. 5A.	No such IC used	N/A
G.9.1 b)	Limiters do not have manual operator or reset	i i i it it	N/A
G.9.1 c)	Supply source does not exceed 250 VA	Et INLE WALL WALLY	<u>n –</u>
G.9.1 d)	IC limiter output current (max. 5A)	s at at	1 th -
G.9.1 e)	Manufacturers' defined drift	white white white wi	_
G.9.2	Test Program 1	at at at a	N/A
G.9.3	Test Program 2	Inter Main which which	N/A
G.9.4	Test Program 3	at at the set	N/A
G.10	Resistors	the man must must	N/A
G.10.1	General requirements	No such resistors used	N/A
G.10.2	Resistor test	Mr. Mr. Mr. M	N/A
G.10.3	Test for resistors serving as safeguards between the mains and an external circuit consisting of a coaxial cable	anifet anifet anifet and	N/A
G.10.3.1	General requirements	NUTER INTER WALTE WALT	N/A
G.10.3.2	Voltage surge test		N/A

	IEC/EN 623	68-1	
Clause	Requirement – Test	Result – Remark	Verdict
G.10.3.3	Impulse test	the white white white whi	N/A
G.11 🕔	Capacitor and RC units	set set ster alle and	N/A
G.11.1	General requirements	Mr. Mr. W. St.	N/A
G.11.2	Conditioning of capacitors and RC units	THE NUTER INTERNATION	N/A
G.11.3	Rules for selecting capacitors	W W Stat	N/A
G.12	Optocouplers	where our on the work of	N/A
WALTER D	Optocouplers comply with IEC 60747-5- 5:2007 Spacing or Electric Strength Test (specify option and test results)	Lifet whitet whitet whitet white	N/A
NUTER IN	Type test voltage Vini	at the the state with	_
4	Routine test voltage, Vini,b	mer mer mer with	
G.13	Printed boards	- tet stet sitet street	N ^S P _N
G.13.1	General requirements	Approved Printed board used	Р
G.13.2	Uncoated printed boards	ster street outer white wh	P
G.13.3	Coated printed boards	In M. M. M.	N/A
G.13.4	Insulation between conductors on the same inner surface	State white white white white	N/A
NETE WAL	Compliance with cemented joint requirements (Specify construction)	Complied with clause 5.4.4.5 item c)	_
G.13.5	Insulation between conductors on different surfaces	WITE WAITE WALKE WAITER W	N/A
t set	Distance through insulation	a stat stat s	o N/A
an 1	Number of insulation layers (pcs)	the while while white white	
G.13.6	Tests on coated printed boards	is at at at 50	N/A
G.13.6.1	Sample preparation and preliminary inspection	e while while whe whe	N/A
G.13.6.2a)	Thermal conditioning	at let stat stat	N/A
G.13.6.2b)	Electric strength test	white white where where	N/A
G.13.6.2c)	Abrasion resistance test	let get get allet a	N/A
G.14	Coating on components terminals	not some som som a	N/A
G.14.1	Requirements	(See G.13)	N/A
G.15	Liquid filled components	with the start of the	N/A
G.15.1	General requirements	t with mitter miter anti-	N/A
G.15.2	Requirements	when the state	N/A
G.15.3	Compliance and test methods	aller miles much wait w	N/A
G.15.3.1	Hydrostatic pressure test	an an at at	, N/A
G.15.3.2	Creep resistance test	NETER INTER ANTIC WALL WAS	N/A
G.15.3.3	Tubing and fittings compatibility test	, at at at a	N/A
G.15.3.4	Vibration test	the mile white white white	N/A

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0	IEC/EN 623	1. 1. 10 20	
Clause	Requirement – Test	Result – Remark	Verdict
G.15.3.5	Thermal cycling test	The wet with whe	N/A
G.15.3.6	Force test	et let set stet	N/A
G.15.4	Compliance	Mr. Mr. Mr.	N/A
G.16	IC including capacitor discharge function (I	CX)	N/A
a)	Humidity treatment in accordance with sc5.4.8 – 120 hours	the set set with	N/A
b)	Impulse test using circuit 2 with Uc = to transient voltage	and we want the	N/A
C1)	Application of ac voltage at 110% of rated voltage for 2.5 minutes	and white white	N/A
C2)	Test voltage	NALL WALL WALL W	10° -
D1)	10,000 cycles on and off using capacitor with smallest capacitance resistor with largest resistance specified by manufacturer	whitek whitek whitek wh	N/A
D2)	Capacitance	Tet the ster ster with	- 'n
D3)	Resistance	the color con con	_
н	CRITERIA FOR TELEPHONE RINGING SIGN	ALS	N/A
H.1	General	- N - N	N/A
H.2 🔊	Method A	MALL N	N/A
Н.3 🏑	Method B		∕N/A
H.3.1	Ringing signal	muter muter white white	N/A
H.3.1.1	Frequency (Hz)	a de de de	
H.3.1.2	Voltage (V)	stre white white white	2012 -
H.3.1.3	Cadence; time (s) and voltage (V)	at let let let	.U.B
H.3.1.4	Single fault current (Ma):	mer mer way	- 1
H.3.2	Tripping device and monitoring voltage	at at all all a	5 N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage complied with	white white white white	N/A
H.3.2.2	Tripping device	mit white white white	N/A
H.3.2.3	Monitoring voltage (V)	at at all all	J -
J	INSULATED WINDING WIRES FOR USE WIT		N/A
he in	General requirements	MALL WALL WALL W	N/A
к	SAFETY INTERLOCKS	-	N/A
K.1	General requirements	white white white white	N/A
K.2	Components of safety interlock safeguard mechanism	NIEK INTEK WAITE WAITE	N/A
K.3	Inadvertent change of operating mode	1 at at at	N/A
K.4	Interlock safeguard override	the init wat wat	N/A

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2hr	IEC/EN 623	68-1	$u = v_0$	
Clause	Requirement – Test	Result – Remark	Verdict	
K.5	Fail-safe	the million of the second of	N/A	
MARCE IN	Compliance	et the state of the owned	N/A	
K.6	Mechanically operated safety interlocks	Mar Mar Mar Mar	N/A	
K.6.1	Endurance requirement	THE STREE MUSES MUSES	N/A	
K.6.2	Compliance and Test method	We we we	N/A	
K.7	Interlock circuit isolation	LIFE NUTER INVITED WALTER	N/A	
K.7.1	Separation distance for contact gaps & interlock circuit elements (type and circuit location)	Lifet white white white white	N/A	
K.7.2	Overload test, Current (A)	at that the the will	N/A	
K.7.3	Endurance test	white white with white	N/A	
K.7.4	Electric strength test	set ster ster with .	N/A	
L	DISCONNECT DEVICES			
L.1,00	General requirements		N/A	
L.2	Permanently connected equipment		N/A	
L.3	Parts that remain energized	ret when when white white	N/A	
L.4	Single phase equipment	and the state	N/A	
E.5 5	Three-phase equipment	and white	N/A	
L.6	Switches as disconnect devices		_⊘N/A	
L.7 🖑	Plugs as disconnect devices	NUTE INTE WALT WALT W	N/A	
L.8	Multiple power sources	in the state of	o N/A	
М	EQUIPMENT CONTAINING BATTERIES AND	THEIR PROTECTION CIRCUITS	N/A	
M.1	General requirements	a at at at all	N/A	
M.2	Safety of batteries and their cells	white white where where	N/A	
M.2.1	Requirements	at at the set	N/A	
M.2.2	Compliance and test method (identify method).	white white white white	N/A	
M.3	Protection circuits	at let let wet	N/A	
M.3.1	Requirements	we me we we we	N/A	
M.3.2	Tests	(See appended table M)	N/A	
4	- Overcharging of a rechargeable battery	and the set of	N/A	
mere wa	- Unintentional charging of a non- rechargeable battery	Montres would wontres would	N/A	
JEN NIE	- Reverse charging of a rechargeable battery	at at at at	N/A	
24	- Excessive discharging rate for any battery	white white white and a	N/A	
M.3.3	Compliance	(See appended table M)	N/A	
M.4	Additional safeguards for equipment containing secondary lithium battery	ne whe all all all all	N/A	

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- an	IEC/EN 623	68-1	all all
Clause	Requirement – Test	Result – Remark	Verdict
M.4.1	General	With which which	N/A
M.4.2	Charging safeguards	let the whet when all	N/A
M.4.2.1	Charging operating limits	the second	N/A
M.4.2.2a)	Charging voltage, current and temperature (See appended table M.4)		N/A
M.4.2.2 b)	Single faults in charging circuitry	(See appended table M.4)	N/A
M.4.3	Fire Enclosure	white white white white	N/A
M.4.4	Endurance of equipment containing a secondary lithium battery	Tet stet with white	N/A
M.4.4.2	Preparation	14. 14. X	N/A
M.4.4.3	Drop and charge/discharge function tests	et where white white wh	N/A
d d	Drop	which we want	N/A
in min	Charge	white white white white	N/A
+ set	Discharge	the state	~ N/A
M.4.4.4	Charge-discharge cycle test	NUTER INTE MALL WAL	N/A
M.4.4.5	Result of charge-discharge cycle test	1 A A A	N/A
M.5	Risk of burn due to short circuit during carrying	Sternant white when w	N/A
M.5.1	Requirement	and white white	N/A
M.5.2	Compliance and Test Method (Test of P.2.3)		N/A
M.6	Prevention of short circuits and protection from other effects of electric current	white white white white	N/A
M.6.1	Short circuits	with white out of white	N/A
M.6.1.1	General requirements	The second	N/A
M.6.1.2	Test method to simulate an internal fault	et aller walte walte w	••••
M.6.1.3	Compliance (Specify M.6.1.2 or alternative method)	the state with with	N/A
M.6.2	Leakage current (Ma)	me me me me	N/A
M.7	Risk of explosion from lead acid and NiCd batteries	NITER WATER WAITER WATER	N/A
M.7.1	Ventilation preventing explosive gas concentration	TEX WALTER WALTER WALTER W	N/A
M.7.2	Compliance and test method	a to the state of the second s	N/A
M.8	Protection against internal ignition from external spark sources of lead acid batteries	white white white white	N/A
M.8.1	General requirements	NUTER WITE WHITE WALL	N/A
M.8.2	Test method	i i at at	⊘⊢ N/A
M.8.2.1	General requirements	NUTER WALTE WALT WALT	۸/A
M.8.2.2	Estimation of hypothetical volume Vz (m ³ /s)	i de de	<i>.</i>

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24			
			1
	-	1.6	

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	IEC/EN 623		
Clause	Requirement – Test	Result – Remark	Verdict
		and the state water when	Sale
M.8.2.3	Correction factors		
M.8.2.4	Calculation of distance d (mm)	The marker while while while	
M.9	Preventing electrolyte spillage		
M.9.1	Protection from electrolyte spillage	and the solution which which is	N/A [™]
M.9.2	Tray for preventing electrolyte spillage	i it it	_<∕N/A
M.10	Instructions to prevent reasonably foreseeable misuse (Determination of compliance: inspection, data review; or abnormal testing)	MUTE ANTI ANTI ANTI ANT	N/A
N	ELECTROCHEMICAL POTENTIALS		N/A
NETER NOT	Metal(s) used	at that the with with	_
0	MEASUREMENT OF CREEPAGE DISTANCE	S AND CLEARANCES	N/A
LTE MALT	Figures O.1 to O.20 of this Annex applied	Considered	_
Р	SAFEGUARDS AGAINST ENTRY OF FOREIG	GN OBJECTS AND SPILLAGE OF	P
P.1	General requirements	Up my my my	Р
P.2.2 📣	Safeguards against entry of foreign object	let still other while while	_√°P
NUTER WALT	Location and Dimensions (mm)	The openings are located on surface of enclosure near speaker. Dimensions: 1.1mm.	_
P.2.3	Safeguard against the consequences of entry of foreign object	NUTER AND A MALINE ANALITE AN	LIFE P
P.2.3.1	Safeguards against the entry of a foreign object	the street wind white whi	et Pr
st	Openings in transportable equipment	- 101 10	N/A
men m	Transportable equipment with metalized plastic parts	et watter watter watter watte	N/A
P.2.3.2	Openings in transportable equipment in relation to metallized parts of a barrier or enclosure (identification of supplementary safeguard)	whitek whitek whitek whitek	N/A
P.3	Safeguards against spillage of internal liquids	No internal liquids.	N/A
P.3.1	General requirements	THE LIFE NUMBER ONLY OF MUSIC	N/A
P.3.2	Determination of spillage consequences	m m m n	N/A
P.3.3	Spillage safeguards	* the wheet while while	N/A
P.3.4	Safeguards effectiveness	Mr. Mr. D. S.	N/A
P.4	Metallized coatings and adhesive securing parts	No metallized coatings or adhesive securing parts.	N/A
P.4.2 a)	Conditioning testing	at the set star of	N/A
4	Tc (°C) Tr (°C)	the man me me	
		and the state	



S.2

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	5	- 2	97 - E	

Test flame according to IEC 60695-11-5 with

- Material not consumed completely

- No burning of layer or wrapping tissue

Flammability test for fire enclosure and fire

Samples, material

Wall thickness (mm)

- Material extinguishes within 30s

conditions as set out

barrier integrity

IEC/EN 62368-1

Clause	Requirement – Test	Result – Remark	Verdict
when .	an an an	att att att att att a	me man
dt.	Ta (°C)	an the the the	
P.4.2 b)	Abrasion testing	set and and and and and	N/A
P.4.2 c)	Mechanical strength testing	and the second second	N/A
Q	CIRCUITS INTENDED FOR INTERCONNECT	ION WITH BUILDING WIRING	N/A
Q.1 🦽	Limited power sources	where the set set	N/A
Q.1.1 a)	Inherently limited output	meter while white white	N/A
Q.1.1 b)	Impedance limited output	the state	N/A
WAT WATCH	- Regulating network limited output under normal operating and simulated single fault condition	(See table annex Q1)	N/A
Q.1.1 c)	Overcurrent protective device limited output	my my my	N/A
Q.1.1 d)	IC current limiter complying with G.9	Tet the street white	N/A
Q.1.2	Compliance and test method	when when you we	N/A
Q.2	Test for external circuits – paired conductor cable	MITER WALTER WALTER WALTER OF	N/A
MUTER N	Maximum output current (A)	at all sat states	× _
4	Current limiting method	and me me me	
R	LIMITED SHORT CIRCUIT TEST		N/A S
R.1	General requirements		N/A
R.2	Determination of the overcurrent protective device and circuit	watte watte water water	N/A
R.3	Test method Supply voltage (V) and short- circuit current (A)).	stret whiter whiter whiter w	N/A
S	TESTS FOR RESISTANCE TO HEAT AND FI	RE	N/A
S.1	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W	white white white white	N/A
t at	Samples, material	me me me	
WILL	Wall thickness (mm)	THE NITE MITE MUTE	n —
, de	Conditioning (°C)	a an an a a	_

N/A

N/A

N/A

N/A

N/A

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No. Mar	m. m. m.	IEC/EN 623	68-1	walk w	U. Mur
Clause	Requirement – Test	UNLIE WALL WAY	Result – Remark	st.	Verdict

	Conditioning (°C)	and the second second	
where w	Test flame according to IEC 60695-11-5 with conditions as set out	et waiter waite waite wa	N/A
the my	Test specimen does not show any additional hole	Mailet Mailet Mailet Maile	N/A
S.3	Flammability test for the bottom of a fire enclosure	sufet intret antifet whitet	N/A
. At	Samples, material	i i i it it	
m.	Wall thickness (mm)	LIFE WALF WALL WALL W	<u> </u>
St.	Cheesecloth did not ignite	s at at at a	N/A
S.4	Flammability classification of materials	white white white white	N/A
S.5	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W	white white miter white	N/A
MALI	Samples, material	THE THE NUMBER OF THE	n' —
it.	Wall thickness (mm)	In the the	
Marrie	Conditioning (test condition), (°C)	It aller miter water water wa	́́—
NUTEX NO	Test flame according to IEC 60695-11-20 with conditions as set out	at with mit	N/A
let mit	After every test specimen was not consumed completely		N/A
- Jet	After fifth flame application, flame extinguished within 1 min	when when we we we	N/A
т	MECHANICAL STRENGTH TESTS		P
T.1	General requirements	at at let let	N/A
T.2	Steady force test, 10 N	(See appended table T.2)	N/A
Т.3	Steady force test, 30 N	Not applicable.	N/A
Т.4	Steady force test, 100 N	white white where where	N/A
T.5	Steady force test, 250 N	(See appended table T.5)	B.
Т.6	Enclosure impact test	(See appended table T.6)	Р
MALTER	Fall test	TEX STEX STER WITE N	VI NP
dit.	Swing test	when the state	, P
T.7 📣	Drop test	t out the substance white white	_√ [™] N/A √
T.8	Stress relief test	(See appended table T.8)	· _ A P _
T.9	Impact Test (glass)	No glass used	N/A
			NI/AC
T.9.1	General requirements	A AT AT AT	N/A

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

A	Height (m)		
T.10	Glass fragmentation test		N/A
T.11	Test for telescoping or rod antennas	the second to be the	N/A
the su	Torque value (Nm)		_
U	MECHANICAL STRENGTH OF CATHOD PROTECTION AGAINST THE EFECTS O		N/A
U.1 🦽	General requirements	No CRTs	N/A
U.2	Compliance and test method for non- intrinsically protected CRTs	at white while white white white w	N/A
U.3	Protective Screen		N/A
V	DETERMINATION OF ACCESSIBLE PAR WEDGES)	RTS (FINGERS, PROBES AND	N/A
V.1	Accessible parts of equipment	ner when when any	N/A
V.2	Accessible part criterion	at at all the other	N/A



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В

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Clause

Requirement – Test

IEC/EN 62368-1 Result – Remark

Verdict

		AT	TACHMEN	T TO TEST REP	ORT		
(Audio/			DIFFEREN	C 62368-1 ICES AND NAT technology equip			ements)
Differences	s according to	o E	EN 62368-1	:2014+A11:201	7 Junit v		
Attachmen	t Originator .	: E	 Nemko AS	WALL WAL	whitek white	at watter wat	NET WI
		ystem for Cor erland. All rigl		esting and Cert ed.	ification of E	Electrical Equip	oment
in which	CENELEC O	COMMON MOI	DIFICATIO	NS (EN)	at white a	NUTE WALK	1 N 1
A WALTER		oclauses, notes 62368-1:2014		ures and annexe d "Z".	es which are a	additional to	LIEK WIN
S	Annex ZA (normative)Normative references to international publications with their corresponding European publications Annex ZB (normative)Special national conditions Annex ZC (informative)A-deviations Annex ZD (informative)IEC and CENELEC code designations for flexible cords Delete all the "country" notes in the reference document (IEC 62368-1:2014) —						
	0.2.1	the following lis	1	Note 3	4.1.15	Note	
	4.7.3	Note 1 and 2	5.2.2.2	Note	5.4.2.3.2.2 Table 13	Note c	- WILLEY
	5.4.2.3.2.4	Note 1 and 3	5.4.2.5	Note 2	5.4.5.1	Note	Jet
	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3	st v
	5.7.5	Note	5.7.6.1	Note 1 and 2	10.2.1 Table 39	Note 2, 3 and 4	The min
	10.5.3	Note 2	10.6.2.1	Note 3	F.3.3.6	Note 3	white
NUTER INC	For special r	national conditi	ons, see A	nnex ZB.	at at	Jet Jet	IN LITER
1	electrical and	wing note: ne use of certa d electronic equ J: see Directive	uipment is r	estricted	VUNITEK W	WE WAITER W	NITES V

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20	IEC/EN 623	00-1	1 - 24 - 24
Clause	Requirement – Test	Result – Remark	Verdict
4.Z1	Add the following new subclause after 4.9:	white with and	Р
	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):	Set whitet whitet whitet	WALTER WALTER
	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;	and survey survey and	et whilet while
	 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; 	whitek whitek whitek	MALTER MALTER
	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.	NUTER WAITER WAITER WAITER	net white white
	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.	antifer white white an	an and an and
5.4.2.3.2.4	Add the following to the end of this subclause:	i i at the	N/A
	The requirement for interconnection with external circuit is in addition given in EN 50491-3:2009.	et waiter waite waite	white white
10.2.1	Add the following to ^{c)} and ^{d)} in table 39: For additional requirements, see 10.5.1.	wath wath wat v	N/A

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m	IEC/EN 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
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 controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or presets 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.	AND	N/A		
	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking. The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm ² , at any point 10 cm from the outer surface of the apparatus.	and some some some	watter sauter		
	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.	ANTER ANTICE ANTICE ANT	Tet whitet white		
	For RS1, the dose-rate shall not exceed 1 μ Sv/h taking account of the background level. NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996.	and and an	whitek anitek		
10.6.1	Add the following paragraph to the end of the subclause: EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	MALTER MALTER MALTER MAL	N/A		
10.Z1	 Add the following new subclause after 10.6.5. 10.Z1 Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz The amount of non-ionizing radiation is regulated by European Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz). For intentional radiators, ICNIRP guidelines should be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (up to 300 GHz). For hand-held and body-mounted devices, attention is drawn to EN 50360 and EN 50566 	and an inter an inter an inter and an inter and an inter an inter an inter an inter and an inter an inte			
G.7.1	Add the following note: NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in Annex ZD.	and and and and and	N/A		

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m	IEC/EN 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict			
Bibliograph	Add the following standards:	White white white white white				
y Start	Add the following notes for the standar	ds indicated:	NIE MIE			
	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.	t lit .			
	IEC 60601-2-4 NOTE Harmonized	as EN 60601-2-4.	me m			
	IEC 60664-5 NOTE Harmonized	as EN 60664-5.	at 1			
	IEC 61032:1997 NOTE Harmonized	as EN 61032:1998 (not modified).	while while			
	IEC 61508-1 NOTE Harmonized	as EN 61508-1.	e A			
	IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1.					
	IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4.					
	IEC 61558-2-6 NOTE Harmonized as EN 61558-2-6.					
	IEC 61643-1 NOTE Harmonized as EN 61643-1.					
	IEC 61643-21 NOTE Harmonized as EN 61643-21.					
	IEC 61643-311 NOTE Harmonized as EN 61643-311.					
	IEC 61643-321 NOTE Harmonized		1- 10			
nut all	IEC 61643-331 NOTE Harmonized	as EN 61643-331.	mere when			
ZB	ANNEX ZB, SPECIAL NATIONAL CO	ONDITIONS (EN)	1 7			
4.1.15	Denmark, Finland, Norway and Swee	len Not export to such counties	N/A			
	To the end of the subclause the followi added:	ng is	et set			
	Class I pluggable equipment type A		The In			
	for connection to other equipment or a shall, if safety relies on connection to re		de 1			
	earthing or if surge suppressors are co		whit whit			
	between the network terminals and ac		de de			
	parts, have a marking stating that the equipment shall be connected to an ea	rthed	NUT WALT			
	mains socket-outlet.		d de			
	The marking text in the applicable cour	ntries	SEE INFIEL			
	shall be as follows:	and white white white white all	19 N			
	In Denmark: "Apparatets stikprop skal tilsluttes					
	en stikkontakt med jord som giver forbi stikproppens jord."	ndeise til	24 24			
	In Finland : "Laite on liitettävä suojakos	kettimilla	St B			
	varustettuun pistorasiaan"	The state with white	mer mer			
	In Norway: "Apparatet må tilkoples jord	det	at at			
	stikkontakt"	set at the state with an	in white			
	In Sweden : "Apparaten skall anslutas t	till jordat	1 A			
	uttag"		e de .			

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m	IEC/EN 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
all'	with the second se	of the off of the off	when when		
4.7.3	United Kingdom	in the main in	N/A		
	To the end of the subclause the following is added:	ist whitet whitet whites	wintife wintite v		
	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	whitek whitek whitek	whitek whitek whi		
5.2.2.2	Denmark After the 2 nd paragraph add the following:	unit water water wa	N/A		
	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.	LIER WHITER WHITER WHITE	while white		

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2

- alle	IEC/EN 623	68-1	in the a
Clause	Requirement – Test	Result – Remark	Verdict
5.4.11.1 and Annex	Finland and Sweden To the end of the subclause the following is	and white with white	N/A
GAN ANN	added: For separation of the telecommunication	it white white white	whet whe
	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	White white white	unt. un. v
	• two layers of thin sheet material, each of which shall pass the electric strength test below, or	TEX MULTER WALTER WALT	et white white
	• one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	et whitet whitet whitet	Whites whites
	If this insulation forms part of a semiconductor component (e.g. an optocoupler), there is no distance through insulation requirement for the	whitek whitek whitek a	MITER NITER W
	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	NUTER WALTER WALTER WALTER	ANNIE ANNIE
	• passes the tests and inspection criteria of 5.4.8 with an electric strength test of 1,5 Kv multiplied by 1,6 (the electric strength test of 5.4.9 shall be performed using 1,5 Kv), and	E Manufet	White white
	• is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5Kv.	white white white white	et and et and
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	et whe wiret wiret	WALTE WALTER
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	White white white	miret miret w
	• the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3 testing, is tested with an impulse test of 2,5 Kv defined in 5.4.11;	ninet whitet whitet wh	Tet wn Tet wni
	• the additional testing shall be performed on all the test specimens as described in EN 60384- 14;	A minet minet manet	WALTER WALTER
	the impulse test of 2,5 Kv is to be performed before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14.	MALTER MALTER MALTER W	NITER DITER ON



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- the	IEC/EN 623	68-1	a che ch
Clause	Requirement – Test	Result – Remark	Verdict
5.5.2.1	Norway After the 3 rd paragraph the following is added: Due to the IT power system used, capacitors are required to be rated for the applicable line- to-line voltage (230 V).	The solution and the solution	N/A
5.5.6	to-line voltage (230 V). Finland, Norway and Sweden To the end of the subclause the following is added: 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.		N/A
5.6.1	DenmarkAdd to the end of the subclauseDue to many existing installations where the socket-outlets can be protected with fuses with higher rating than the rating of the socket- outlets the protection for pluggable equipment type A shall be an integral part of the equipment.Justification: In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	and	N/A
5.6.4.2.1	Ireland and United KingdomAfter the indent for pluggable equipment typeA, the following is added:- the protective current rating is taken to be13 A, this being the largest rating of fuse usedin the mains plug.	MALTER MALTER MALTER MALT	N/A
5.6.5.1	To the second paragraph the following is added: The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is: 1,25 mm ² to 1,5 mm ² in cross-sectional area.	at white white white	N/A
5.7.5	Denmark To the end of the subclause the following is added: The installation instruction shall be affixed to the equipment if the protective conductor current exceeds the limits of 3,5 Ma a.c. or 10 Ma d.c.	And the ret	N/A

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IEC/EN 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
.7.6.1	Norway and Sweden To the end of the subclause the follow	ving is	N/A
	added: The screen of the television distribution is normally not earthed at the entrance building and there is normally no equip bonding system within the building. The the protective earthing of the building installation needs to be isolated from the protective earth of the building installation of the building installating installation of the building installating installation of t	e of the potential nerefore	MALTER MALTER
	 screen of a cable distribution system. It is however accepted to provide the i external to the equipment by an adapt interconnection cable with galvanic iso which may be provided by a retailer, for example. 	ter or an blator,	Set white white
	The user manual shall then have the f or similar information in Norwegian an Swedish language respectively, dependent in what country the equipment is inten- used in:	nding on	Whitek Miller
	"Apparatus connected to the protective of the building installation through the connection or through other apparatus connection to protective earthing – an	mains s with a	Et would would
	television distribution system using co cable, may in some circumstances cre hazard. Connection to a television dis system therefore has to be provided th device providing electrical isolation be	axial eate a fire tribution hrough a elow a	WAITER MAITE
	certain frequency range (galvanic isola EN 60728-11)" NOTE In Norway, due to regulation fo installations, and in Sweden, a galvan shall provide electrical insulation below	r CATV- ic isolator w 5 MHz.	Tet white white
	The insulation shall withstand a dielec strength of 1,5 Kv r.m.s., 50 Hz or 60 min. Translation to Norwegian (the Swedis	Hz, for 1	whitek mitek
	also be accepted in Norway): "Apparater isa I koplet til beskyttels nettplugg og/eller via annet jordtilkople og or tilkoplet et kopksjalbasort kabel	et utstyr –	NUTER WATER WA
	og er tilkoplet et koaksialbasert kabel- kan forårsake brannfare. For å unngå skal det ved tilkopling av apparater til nett isa llers en galvanisk isolator m apparatet og kabel-TV nettet."	a dette kabel-TV	white white
	Translation to Swedish: "Apparater som är kopplad till skyddsj jordat vägguttag och/eller via annan u och samtidigt är kopplad till kabel-TV	trustning nät kan i	antifet a tifet w
	isa fall medfőra risk főr brand. Főr at detta skall vid anslutning av apparater kabel-TV nät galvanisk isolator finnas apparaten och kabel-TV nätet.".	n till and and and an	et nire mire

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	IEC/EN 623	68-1	$b_{n} = b_{n} = b_{n} = b_{n}$
Clause	Requirement – Test	Result – Remark	Verdict
5.7.6.2	Denmark To the end of the subclause the following is added: The warning (marking safeguard) for high touch current is required if the touch current or the protective current exceed the limits of 3,5 Ma .	Fet whitet whitet	N/A
B.3.1 and B.4	Ireland and United Kingdom The following is applicable: To protect against excessive currents and short-circuits in the primary circuit of direct plug-in equipment, tests according to Annexes B.3.1 and B.4 shall be conducted using an external miniature circuit breaker complying with EN 60898-1, Type B, rated 32A. If the equipment does not pass these tests, suitable protective devices shall be included as an integral part of the direct plug-in equipment, until the requirements of Annexes B.3.1 and B.4 are met	and	N/A
	 Denmark To the end of the subclause the following is added: Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011. CLASS I EQUIPMENT provided with socket-outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a. If a single-phase equipment having a RATED CURRENT exceeding 13 A or if a poly-phase equipment is provided with a supply cord with a plug, this plug shall be in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN 60309-2. Mains socket outlets intended for providing power to Class II apparatus with a rated current of 2,5 A shall be in accordance DS 60884-2-D1:2011 standard sheet DKA 1-4a. Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c. Mains socket-outlets with earth shall be in compliance with DS 60884-2-D1:2011 Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-5a or DK 1-7a Justification: 		

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IEC/EN 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
G.4.2	United Kingdom	A THE WITTER WITT WAT	N/A	
WALLER N	To the end of the subclause the following is added:	with white white white	white white	
ESTER WALTER	The plug part of direct plug-in equipment sha 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.	NITE WALTER WALTER WALTER	anitek anitek an stek an tiek ani ek ant ek anite	
G.7.1	United Kingdom	a at at at	N/A	
	To the first paragraph the following is added		m. m.	
	Equipment which is fitted with a flexible cabl or cord and is designed to be connected to a		at det	
	mains socket conforming to BS 1363 by mea		ner an m	
	of that flexible cable or cord shall be fitted wi		a at a	
	a 'standard plug' in accordance with the Plug	gs /- /- /	TEL IN TEL MAD	
	and Sockets etc (Safety) Regulations 1994, Statutory Instrument 1994 No. 1768, unless	sures when when wh		
	exempted by those regulations.	at at at a	at the muse	
	NOTE "Standard plug" is defined in SI	IN IC WALL WALL WALL	In In	
	1768:1994 and essentially means an approv		at let	
	plug conforming to BS 1363 or an approved	The second	white out v	
074	conversion plug.			
G.7.1	Ireland	# 10 ST 5	N/A	
	To the first paragraph the following is added Apparatus which is fitted with a flexible cable			
	cord shall be provided with a plug in		let at the arts	
	accordance with Statutory Instrument 525:	WITE MALL MALL WAL	nu nu	
	1997, "13 A Plugs and Conversion Adapters	for	- 18 At	
	Domestic Use Regulations: 1997. S.I. 525	Et JEE MIE MIE	white white	
	provides for the recognition of a standard of another Member State which is equivalent to	an an an an	d A	
	the relevant Irish Standard	at at at set	NUTER INTERIO	
G.7.2	Ireland and United Kingdom	the man must be a	N/A	
	To the first paragraph the following is added	s at at at	Jet Jet at	
	A power supply cord with a conductor of 1,2		24 24	
	mm ² is allowed for equipment which is rated		t at all	
and a	over 10 A and up to and including 13 A.	· it if if if	and and	

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	IEC/EN 623	368-1	
Clause	Requirement – Test	Result – Remark	Verdict
all	with the set	The sure out and	in me me
ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)	n n n	1 1 Tot
10.5.2	Germany	let set site as	N/A
	The following requirement applies:	in mer mer m	1 4
	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.	watter watter watter	NATES NATE NA
	Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM.	Cater would would would	MALTER MALTER
	NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-38116 Braunschweig, Tel.: Int +49-531-592-6320, Internet: http://www.ptb.de	water water water water	Tet white white



Clause

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me in so	IEC/EN 62368-1
Requirement – Test	Result – Remark

Verdict

4.1.2	ТАВ	LE: List of critical co	omponents			P,+
Object / part	No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹
Plastic enclo	sure	FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV	AG15E1	HB, 60°C, min.thinkness:1.6 mm	UL 94, UL746	UL E162823
Input lead wi	re	SHENZHEN DINGYU ELECTRICAL TECHNOLOGY CO LTD	1007	300V, 80°C, min.24AWG, VW- 1	UL 758	UL E365423
Winding of wireless char	rger	Interchangeable	Interchangeable	Class A, 130°C	EN 62368-1	Test within appliance
Speaker	NETEX	Interchangeable	Interchangeable	4Ω, 3W	EN 62368-1	Test within appliance
LED	set	Interchangeable	Interchangeable	5VDC, 60mA	EN 62368-1	Test within appliance
PCB		Interchangeable	Interchangeable	V-0, 130°C	UL 796	UL 🖓
Supplementa	ary in	formation:	1 s		1 de 1	the set

4.8.4, 4.8.5	TABLE: Lithium coin/butt	N/A	
(The follow	ing mechanical tests are condu	cted in the sequence noted.)	
4.8.4.2	TABLE: Stress Relief test	with white white when whe with	
Part	t Material	Oven Temperature (°C)	Comments
	t at set set	white white and and and and	A
4.8.4.3	TABLE: Battery replaceme	ent test	_
Battery par	rt no	No me m	
Battery Installation/withdrawal		Battery Installation/Removal Cycle	Comments
. Alt	stat sufet outer only		at at
		2 N N	me m
		3	Set Set
		and and and and and	e, n a
		5 1	set wifet with
		6	
		8 1 1	INTE MALL
		9	A St
		10 J	white white



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

4.8.4.4	4.4 TABLE: Drop test			_	
Impact Area	à	Drop Distance		Drop No.	Observations
strek white	MALI	while which which when	at .	rekt rek stek	NITER INTER WAY
st st	đ	STER STER MITER WHITE	mer m	2	at the de
Mar	m	an an an	Set S	3	N. MUT. MUT.

4.8.4.5	TABLE: I	mpact		—
Impact surfa		Surface tested	Impact energy (Nm)	Comments
	* 15	Tex JEE NUTER WAY	m m - m	
4.8.4.6	TABLE: 0	Crush test	let get when when a	— —
Test po	sition	Surface tested	Crushing Force (N)	Duration force applied (s)
	A A	at the the state of	me me me m m	1 A
Suppleme	ntary informa	ation:	at at at the the	MITE MALL W

4.8.5	TABLE:	Lithium coin/button cell batte	ries mechanical test result	N/A
Test pos	sition	Surface tested	Force (N)	Duration force applied (s)
2/1-	n i	a at - at state	MITER MATE MATE MAL MAL	an - an
Supplement	ary inform	ation:	se i a at at	- 5 th 5 th



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

5.2	TABL	E: Classification	n of electrical ener	rgy sources			Р
5.2.2	2.2 – Steady S	state Voltage and	Current conditions				
				F	Parameters		
No.	Supply Voltage	Location (e.g. circuit designation)	Test conditions	U (Vrms or Vpk)	l (Apk or Arms)	Hz	ES Class
	TE NALTE	with write .	Normal	5.0Vpk	St - 5th	DC S	MULT
1	5VDC	Input and	Abnormal	nn m	Th.		ES1
mer	which wh	internal circuit	Single fault – SC/OC	MALIE WALTE	WINTER W	LIEL WALTE	WILL IN
S.C.	INLIE WAL	when whe	Normal	5.1Vpk	S- 5	DC	ES1
3	3 5VDC Wireless output		Abnormal	Wer Aug	m m		
-5		Single fault – SC/OC	LIEK WALTER W	LIEK - NULLER	white wh		
کې	er nure	Min while a	Normal	0.77Vrms	et - et	S DC	INLIE.
4	5VDC	Speaker	Abnormal	2.19Vrms	111. 1	DC	ES1
NUTE	SvDC Speaker	Single fault – SC/OC	JUTE - CE	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	IET WILLE	MULTO M	
5.2.2	2.3 – Capacita	nce Limits					
	Supply	Location (e.g.		Parameters			
No.	Voltage	circuit designation)	Test conditions	Capacitance,	Nf U	pk (V)	ES Class
	et set	STER INTERIOR	Normal	20 20.	1 A	-d 1	54
1	m n		Abnormal:	- milter-milt	Shir W	the man	-m 1
J.Et	whitek whi	WALTE WAL	Single fault – SC/OC:	Jet - Jet	NUTER UNI	set whitek	INLIEK-UN



14.

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

		Location (e.g.			Parameters		
NO. Voltage	circuit designation)	Test conditions	Duration (ms)	Upk (V)	lpk (Ma)	ES Class	
s	. Set . 5"	t wifet white	Normal	an - m		* -*	1 - 3
3	nr. m.	an - r	Abnormal	JIE - NITE	white whit	mr. m	- M
	JEK WALTER	WALTER WALTER	Single fault – SC/OC	et Jet	ALTEX- MITE	white whi	ex whitek
5.2.2	2.5 – Repetitiv	e Pulses					
No. Supply Voltage	Supply	Location (e.g. circuit designation)		Parameters			
			oltage circuit rest condition	Test conditions	Off time (ms)	Upk (V)	lpk (Ma)
Ļ	10 50	JUST NUT	Normal	nu -nu		L - 1	at de
	Nr. Mur	an an	Abnormal	JEK - JIEK	MUTE- MALT	m nu	- mar
Whitek whitek	Et whitek	WALTER MALTER V	Single fault – SC/OC	5	unt - unt	INLIFE MALT	t whitet.
Гest	Conditions:		ALL AND	1 - A		The st	jet -
	nal –						
Abno	ormal –						



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		IEC/EN 62	368-1			
Clause	Requirement – Test	The all	Result – Re	mark	A	Verdict
all i	an an an	s At		5°	IN MARINE	and and
5.4.1.4, 6.3.2, 9.0, B.2.6	TABLE: Temperature measurements					P
	Supply voltage (V)	5V ⁵			st - 18t	_
	Ambient T _{min} (°C)	24.3	Stan Internet	m -m	-202-	_
et atter	Ambient T _{max} (°C):	24.7		et - 11	Joseph .	_
1. A.	T _{ma} (°C)	40.0	min- mi	11 m	m n	
Maximum r part/at:	measured temperature T of		Allowed T _{max} (°C)			
DC input terminal		44.4	1 - 1	t.	St - 58	Ref.
C36 body	and the state	44.7	in water of	nr - m	-74	105
Coil of wire	less charger	52.7	- 75-	10 - S		130
PCB near l	J1 of the state	61.1	mr - m	-2011		130
PCB near l	J6	62.7	10- 5	*	No.	130
PCB near l	J7 of the set of	48.2	mm	20-		130
Internal en	closure near the coil	54.4	Jet - Jet	INTER N	ure - mu	Ref.
de la		Ajust to 25°	°C		t it	. At
External en	closure near the coil	32.7	di - 1	- nr	J. Harris	of 77 of
Supplemer	ntary information:	10			- 15	At a
- dr						

Temperature T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	R ₂ (Ω)	T (°C)	Allowed T _{max} (°C)	Insulation class
if the miller white white	mr 1	n a.			<i></i>	et - set	and the second
Supplementary information:							

5.4.1.10.2 TABLE: Vicat softening temperature of thermoplastics				N/A	
Penetration		the set	LIER NITER WALTER WA		
Object/ Par	t No./Material	Manufacturer/t rademark	T softening (°C)		
	at at the set with	and when the	an an - an	.t.	
supplement	ary information:	A A A	ster ster with	Inter M	

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Clause	Requirement – Test	MALL MAL	Result – Remark	dt.	Verdict

5.4.1.10.3	.10.3 TABLE: Ball pressure test of thermoplastics					
Allowed im	pression diam	eter (mm)	. ≤ 2 mm	White white		
Object/Part	No./Material	Manufacturer/trademark	Test temperature (°C)	Impression dia	ameter (mm)	
z. m.	m. n	/	where we will a	With which -	mer m.	
Supplemen	tary informati	on: NT off off	m m m	a de	to the	

5.4.2.2, 5.4.2.4 and 5.4.3	TABL	E: Minimur	n Clearar	nces/Cree	epage dista	nce	WALTER W	UTEK WAL	N/A
Clearance (distance (cr			Up (V)	U r.m.s. (V)	Frequenc y (kHz) ¹	Required cl (mm)	cl (mm) ²	Required cr (mm)	cr (mm)
L'IL MALI	Jun .	who -	n - n		s - 15	1 ⁴⁴ - 5	5° - 55°	unite a	Vizz - aver

Supplementary information:

Note 1: Provide Material Group IIIb

Note 2: BI: basic insulation; SI: supplementary insulation; DI: double insulation; RI: reinforced insulation.

5.4.2.3	TABLE: Minimum Clearances distances using required withstand voltage					
St 5	Overvoltage Category (OV):					
1. 1. m.	Pollution Degree:					
Clearance	e distanced between:	Required withstand voltage	Required cl (mm)	Measur	ed cl (mm)	
- At	and - atter white	aver and a sur a		de l	A. 3	
••	entary information:					
		ary insulation; DI: double ins 2.4 and 5.4.3 for measurem		d insulation	1. NITER	

5.4.2.4	TABLE: Clearances	ABLE: Clearances based on electric strength test					
Test volta	ge applied between:	Required cl (mm)	Test voltage (Kv) peak/ r.m.s. / d.c.	Breakdown Yes / No			
	at at set	with white white	m. m. m.	4 - A A			

N NO



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- m	M St. A	IEC/EN 62368-1	in me all
Clause	Requirement – Test	Result – Remark	Verdict
ant.	an an a a	a set of the strand	with with a

5.4.4.2, 5.4.4.5 c) 5.4.4.9	TABLE: D	istance through insul	ation measu	rements	Whitek whitek w	N/A
Distance th insulation d		Peak voltage (V)	Frequency (Hz)	Material	Required DTI (mm)	DTI (mm)
at set-	- John M	ret anti- anti v	are -m	-	1 	- 50 <u>+</u> 50 ⁰

Supplementary information:

*: See appended Table 4.1.2 for details.

5.4.9	TABLE: Electric strength	n tests		N/A	
Test voltage applied between:		Voltage shape (AC, DC)	Test voltage (V)	Breakdown Yes / No	
Basic/su	pplementary:	sh it is	t set ster at	IER WALTE WAL	
	t at - at at	LIER MILE WALL WALL	me m m	5 4	
Reinford	ed:	the set	THE STREE STIFE	WALT WALT	
. A	at the set of all	et white white white	here the the	1 - A	
Supplem	nentary information:	and the tet	Tet stret white	until white a	

#: all alternative sources have been considered.

5.5.2.2	TABLE	: Stored disc	harge on capac	itors	a sunt	m	N/A
Supply Vol (V), Hz	ltage	Test Location	Operating Condition (N, S)	Switch position On or off	Measured Voltage (after 2 seconds)	ES Cla	ssification
white -	n an	31	s - At	5 ⁴ -5	et nute nute w	all whit	- wer .

Supplementary information:

X-capacitors installed for testing are:

Bleeding resistor rating: --

ICX:

Notes:

A. Test Location:

Phase to Neutral; Phase to Phase; Phase to Earth; and/or Neutral to Earth

B. Operating condition abbreviations:

N – Normal operating condition (e.g., normal operation, or open fuse); S –Single fault condition

5.6.6.2	TABLE: Resistar	ABLE: Resistance of protective conductors and terminations						
A	ccessible part	Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)			
2.	7. 4	at att and	MALT -MALL	en man a				
Suppleme	ntary information:	n m m	e de	at at a	et the stre			



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in me	the second second	IEC/EN 62368-1	mer mer
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5.7.2.2, 5.7.4	TABLE: Earthed accessible conductive part		
Supply vo	ltage	······································	
Location		Test conditions specified in 6.1 of IEC 60990 or Fault Condition No in IEC 60990 clause 6.2.2.1 through 6.2.2.8, except for 6.2.2.7	Touch current (mA)
Metal enc	losure	the number of which when	N/A
		2*	N/A
		3 11 3	N/A
		4	N/A
		THE STATE STATE MAIL M	N/A
		6	N/A

Supplementary Information:

N/A

Notes:

[1] Supply voltage is the anticipated maximum Touch Voltage

[2] Earthed neutral conductor [Voltage differences less than 1% or more]

[3] Specify method used for measurement as described in IEC 60990 sub-clause 4.3

[4] IEC60990, sub-clause 6.2.2.7, Fault 7 not applicable.

[5] (*) IEC60990, sub-clause 6.2.2.2 is not applicable if switch or disconnect device (e.g., appliance coupler) provided.

N: Normal condition, R: Reverse condition.

6.2.2	Table: Electric	al power source	s (PS) measurement	s for classification	Р
Source	Description	Measurement	Max Power after 3 s	Max Power after 5 s* ⁾	PS Classification
A 5V input and internal circuit	5V input and	Power (W) :	11.5	1 # 15	Alt Set
	V _A (V) :	5.0	se and - and	PS1	
	circuit	I _A (A)	2.3		
e me me m	the in	Power (W) :	6.04	MUTE - MALL WI	ne m
ь В 👉	5V Wireless output	V _A (V) :	4.76		PS1
	output	I _A (A) :	1.27	with the shi	
1.	at the	Power (W) :	1.20	20	at at
C C	Speaker	V _A (V) :	2.19	all all all	PS1
	the state of	ी _A (A) ः ः	0.55	2 - 24 - 24 - 24 - 24 - 24 - 24 - 24 -	



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Clause	Requirement – Test	Result – Remark	Verdict

6.2.3.1	Table: Determin	ation of Potential	Ignition Sources	Arcing PIS)	N/A
		Open circuit voltage After 3 s	Measured r.m.s current	Calculated value	Arcing PIS?
	Location	(Vp)	(Irms)	(V _p x I _{rms})	Yes / No
4	4 - it it	5° 5° 5	in the the	20	

Supplementary information:

All primary circuit/components were considered as arcing PIS, the open circuit of all secondary components/ circuit were not exceeded 50V.

An Arcing PIS requires a minimum of 50 V (peak) a.c. or d.c. An Arcing PIS is established when the product of the open circuit voltage (V_p) and normal operating condition rms current (I_{rms}) is greater than 15.

6.2.3.2	Table: Dete	ermination of Por	tential Ignition	Sources (Resi	stive PIS)	55	N/A
Circuit Loc	ation (x-y)	Operating Condition (Normal / Describe Single Fault)	Measured wattage or VA During first 30 s (W / VA)	Measured wattage or VA After 30 s (W / VA)	Protective Circuit, Regulator, or PTC Operated? Yes / No (Comment)	PIS	sistive ;? s/No
-	- A A	10t 10t	- UTER - UNICE	man mar	nn.		L.

Supplementary Information:

All primary/secondary components were 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, <u>or</u> (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 Pressure Lamp		N/A
Descriptio	on la	Values	Energy Source Classification
Lamp type	e:		At At Stra
Manufact	urer :	THE STREE MUT MIT	me me me
Cat no.	· · · · · · · · · · · · · · · · · · ·	SN ST ST	1 1 - 1 5
Pressure	(cold) (MPa):	A THE NUTE WITE	Vizz Aur - aur Mar
Pressure	(operating) (MPa):	the the second	1 1 - 1 1
Operating	time (minutes):	THE STREE STREET	I while where where
Explosion	method	me me me	
Max partie	cle length escaping enclosure (mm):	the star star st	antic unit wat w
Max partie	cle length beyond 1 m (mm):	up any an an	
Overall re	sult	at all the set	white white white white
Suppleme	entary information:	when the same	In the state



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Clause	Requirement – Test	Result – Remark	Verdict

B.2.5 TABLE: Input test					P	
U (V/Hz)	I (A)	I rated (A)	P (W)	P rated (W)	Condition/status	
5VDC 1.9		2.4	9.6	ret antre	Normal operation, wireless charger load 5.0VDC, 1.0A. Bluetooth mode: 1/8 of available output power to speaker with noise single. Tweeter speaker: 0.77V/0.148W/4Ω.	
5VDC 2.30 2.4 1		11.5	MALTER M	Normal operation, wireless charger loadir 5.0VDC, 1.0A. Bluetooth mode: max. available output power to speaker with pi noise single. Tweeter speaker: 2.19V/1.20W/4Ω.		



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Clause	Requirement – Test Result – Remark							Verdict	
B.3	TABLE: Ab	normal o	perating con	dition t	ests	Marine Marine	MULLE MULL MA		
Ambient ten	nperature (°C): See below								
Power sour	ce for EUT:	Manufactu	rer, model/ty	pe, outp	ut rating	.: See c	over page for details		
Componen t No.	Abnormal Condition	Supply voltage, (V)	Test time (ms)	Fuse no.	Fuse current (A)	T- couple	Temp. (°C)	Observatio n	
Wireless output	overload	5VDC	1hour51mi ns	A JAN JANITA JANITAK	2.14	Type-J	Coil of wireless charger: 57.1°C PCB near U1: 67.9°C Ambient: 40.0°C External enclosure near the coil: 36.9°C Ambient: 25.0°C	Wireless output max. loading 1.2A, over 1.2A unit shut down, recoverabl e. No damage, no hazard.	
Max. non- clipped output power		5VDC	1hour44mi ns	t yani yani hiret hiret yan	2.30	Type-J	Coil of wireless charger: 60.1°C PCB near U1: 79.0°C Ambient: 40.0°C External enclosure near the coil: 39.2°C Ambient: 25.0°C	Unit normal working, no damage,no hazard.	
whitek whi	et white	MALTEX W	stret watt	t whit	et would	white white	Coil of wireless charger: 50.4°C PCB near U1: 58.5°C	Speaker has no output, wireless charger	

1.63

Type-J

Г

charger

normally,

damage,no

hazard.

load

no

Ambient: 40.0°C

Ambient: 25.0°C

near the coil:

32.4°C

External enclosure

short

circuit

5VDC

Speaker

1hour42mi

ns



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Clause	Requirement – Test

Result – Remark

Verdict

B.4	TABLE: Fa	ault conditi	on tests					Р
Ambient te	mperature (°	C)				40.0	NUTER WALTER WALT	_
Power sour	rce for EUT:	Manufactu	rer, model/ty	pe, outp	ut rating	See cove	er page for details	
Compone nt No.	Fault Condition	Supply voltage, (V)	Test time (ms)	Fuse no.	Fuse current, (A)	T- couple	Temp. (°C)	Observatio n
C36	short circuit	5VDC	10mins	AND	0.012	she shirt	- Mar an an an	After short circuit, wireless charger has no output, recoverabl e, no damage, no hazard
U7 pin1-8	short circuit	5VDC	10mins	- 5001 - 5001 - 500 - 500	0.016	- white	White white white	After short circuit, unit shut down, recoverabl e, no damage, no hazard

Supplementary information:

1) SC: short circuit, OL: overload, OC: open circuit; CD: components damaged;

2) The Hi-pot test conducted successfully after the completion of fault condition test.

3) *: For fault where fuse opened, tested were repeat nine times and same result was obtained.

4)No ignition during and after all tests.



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Clause	Requirement – Test	Result – Remark	Verdict 🖉
0.0.0.00			

Annex M	TABLE: B	atteries							N/A
The tests of	of Annex M a	re applica	able only whe	n appropria	ate battery	data is no	t available	NULL Y	N/A
Is it possib	le to install th	ne battery	r in a reverse	polarity po	sition?:	EL MALTE	It is impo to install battery in reverse p position	the n a	N/A
	Non-re	chargeab	le batteries		F	Rechargea	ble batteri	es	
	Discha	arging	Un-	Cha	rging	Disch	arging	Reverse	d charging
	Meas. current	Manuf. Specs.	intentional charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.
1) Imax in normal condition	NL OL N	uret w	Jet valiet	white a	111 - M	t when		NITEX M	Tex whi
2) Imax in fault	TEK-whi	iet Juli	WALLE W	nn 11. 11. 40		NUTER .	nint on	ret which	at white
3) Imax in fault	A AND	Malite	white whi	- NUTER	WILLING AN	NITE MA	ret - nur	- whitek	JUNLIEK V
Test result	s:		AX		55° -		Sam	-241- IS	Verdict
- Chemical	leaks						1	State of	JEL MIT
- Explosior	n of the batte	ry.	+ let	JULE MAL	white	me	m n		
- Emission	of flame or e	expulsion	of molten me	tal	- 10-	. Alt	Set a	Set INS	MALTE
- Electric s	trength tests	of equipr	nent after con	pletion of	tests	me m	-20%		A
Supplemen	ntary informa	ition:	the second	, she	st	de de	d 50	S. S. S.	and a

	ble: A tteries	dditional safeguar	ds for e	equipment c	ontaining seco	ondary	lithium	N/A	
Battery/Cell No.		Test condition	าร		Measurements Obser		Observation		
				U	I (A)	Te	mp (C)	Observation oservation	
the state		- JEK JEK	When	mer - m				7 1	
mark which which		Mr. Mr.		10- 10	at the way		in ^e ani	- unin u	
Supplementary	Inform	nation:	12 1	ur mur	m. m.		L 0	t st	
Battery identification	C	harging at T _{lowest} (°C)	Obs	ervation	Charging at T (°C)	highest	O	oservation	
- unit unit	-su	- 70		ç&	A A	SPE	NUTE	mer mer	
Supplementary	Inform	nation:	Nr.	in in	to the s	en		e de	

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mur	m. m. m.	IEC/EN 62368-1	the way was
Clause	Requirement – Test	Result – Remark	Verdict

Annex Q.1	TABLE: Circuits i	TABLE: Circuits intended for interconnection with building wiring (LPS)					
Note: Meas	ured UOC (V) with a	Il load circuits d	isconnected:	. 5 ⁶⁴ . 5	er intre whit	white	
Output Circuit	Components	U _{oc} (V)	I _{sc} ((A)	S (VA)		
			Meas.	Limit	Meas.	Limit	
t st	- alt alt a	The state of	5 A	n <u>-</u>	4 - A	d	
	The an a		L H .	Star - Star .	and the second	1 - 1 - 1 - 1	

Supplementary Information:

SC=Short circuit, OC=Open circuit

T.2, T.3, T.4, T.5	TABLE: Steady	force test	INLIEK WALTER	WALTER WALTE N	N ¹ N ¹ P N
Part/Location	Material	Thickness (mm)	Force (N)	Test Duration (sec)	Observation
Enclosure (T.5)	Plastic	Min.1.6	250N	St uni 5 min	Enclosure remained intact.

Supplementary	information:
---------------	--------------

Т.6, Т.9 ТА	BLE: Impact te	sts de la	3	P
Part/Location	Material	Thickness (mm)	Vertical distance (mm)	Observation
Тор	Plastic	Min.1.6	1300	No damage, no hazard
Side	Plastic	Min.1.6	1300	No damage, no hazard
Bottom	Plastic	Min.1.6	1300	No damage, no hazard
Supplementary i	information.	and all all all all all all all all all al	The she in	1 A A A

T.7	TABLE	: Drop tests	a me me.	N/A
Part/Loc	ation	Drop No.	Drop Height (mm)	Observation
at set	Set	NITER MITE WAIT	m. The m	i s a - a a s
Supplement	ary inform	nation:	THE NUTER MAI	MALL WALL WALL WALL WALL

Т.8 Т.8	ABLE: Stress rel	ief test			MEN WIT SUP
Part/Location	Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observation
Plastic enclosure	ner when w	Min.1.6	70	t mir 7 mir	No damage, no hazard

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Photo 2



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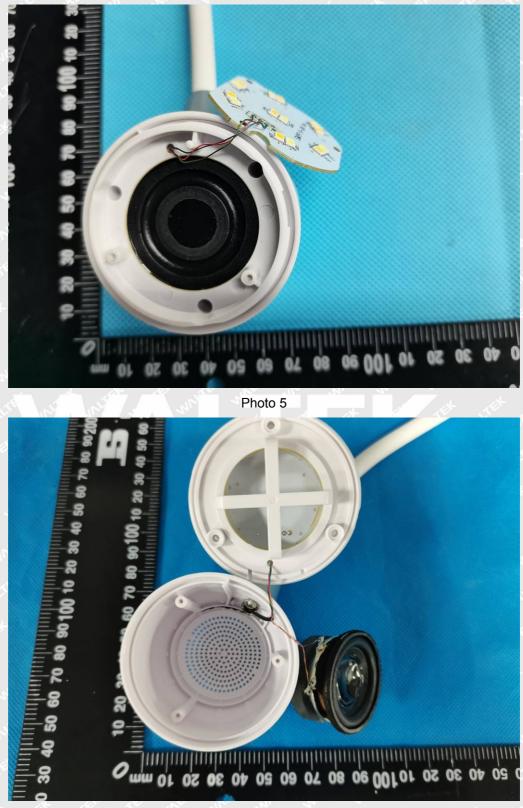


Photo 6



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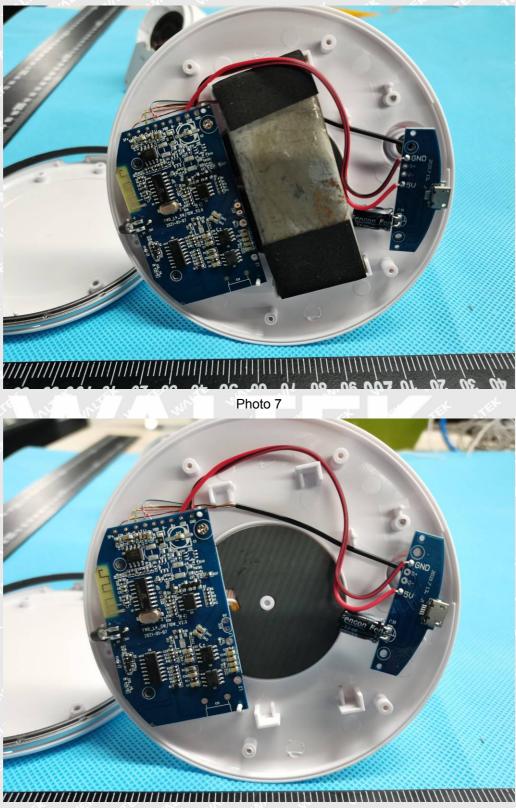


Photo 8



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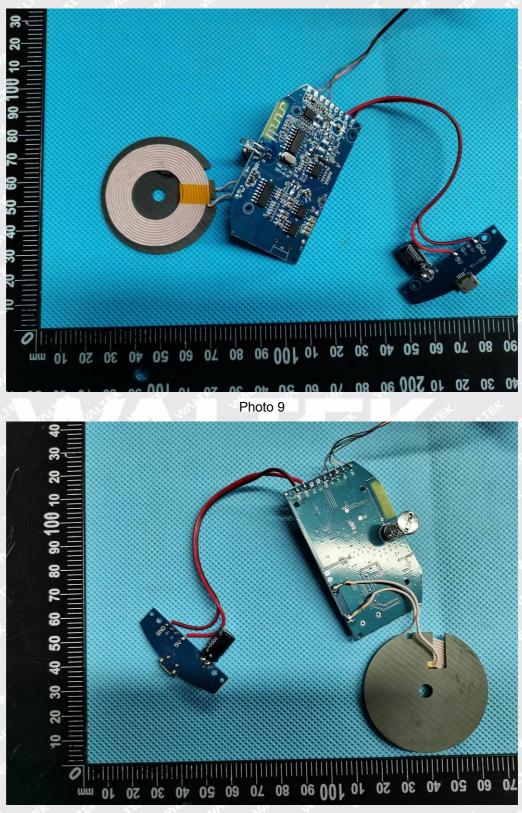


Photo 10

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