

TEST REPORT

Reference No.....: WTF23D09199829Y

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

Hong Kong

Manufacturer..... 114538

Address.....: : > --

Product.....: Magnetic wireless charger

Model(s)..... : MO6570

Total pages : 67 pages and 3 pages of photo.

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

Audio/video, information and communication technology equipment-

Part 1:Safety requirements

Date of Receipt sample..... : 2023-09-11

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

Date of Issue..... : 2023-10-12

Soupelle

Test Result.....: Pass

Remarks:

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

Prepared By:

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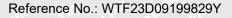
Soap Hu / Project Engineer

Almon Zhao / Designated Reviewer



Reference No.: WTF23D09199829Y Page 2 of 67

Test item description	Magnetic wire	eless charger
Trademark:	MOB	
Model and/or type reference	MO6570	
Rating(s):	Output: DC 5 Wireless: DC	/2A, DC 9V/2A IV/2A, DC 9V/2A, DC 12V/1.5A I 9V, 1.1A B.7V, 4000mAh, 14.8Wh
Remark:	LIER MLTE	me my my my to the
Whether parts of tests for the product h	nave been sub	contracted to other labs:
☐ Yes ⊠ No		
If Yes, list the related test items and lab	o information:	
Test items:		
Lab information:	The 2	the state of the s
Summary of testing:	THE STR	the mile will will the the the
Tests performed (name of test and to	est clause):	Testing location:
- EN IEC 62368-1:2020+A11:2020	at let	No. 77, Houjie Section, Guantai Road, Houjie Town, Dongguan City, Guangdong, China
- The submitted samples were found to the requirements of above specification		House Town, Dongguan City, Guanguong, China
the requirements of above specimoation	st lit .	THE RUTER WITE WALL WINE WINE WINE
Summary of compliance with Nation	al Differences	(List of countries addressed):
ma m	A	the title with with mot me w
EU Group Differences		
Line May 1 1 1		
	of EN IEC 623	368-1:2020+A11:2020.
it min me in on a		The street of the shirt water
Use of uncertainty of measurement		
applicable limit according to the speci without applying the measurement ur	cification in the	rd, when comparing the measurement result with the at standard. The decisions on conformity are made nple acceptance" decision rule, previously known as
"accuracy method").		
☐ Other: (to be specified, for examp requirements apply)	ble when requi	red by the standard or client, or if national accreditation
Information on uncertainty of measu	rement:	
		the laboratory based on application of criteria given by
OD-5014 for test equipment and application IECEE.	ation of test m	ethods, decision sheets and operational procedures of
	the application	n of measurement uncertainty principles and applying
the decision rule when reporting tes	st results with	in IECEE scheme, noting that the reporting of the
measurement uncertainty for measur customer.	ements is not	necessary unless required by the test standard or
	alues are on fi	le with the NCB and testing laboratory that conducted
the testing.	21400 GIO OII II	is that the ries and testing laboratory that soliduoted





NINTERN N

Copy of marking plate:



MOB MO6570 PO BOX 644, 6710BP(NL) Made in China Frequency range:110-250kHz Wireless Output power:DC 9V =1.1A Max Input:DC 5V=2A DC 9V=2A Output:DC 5V=2A DC 9A=2A 12V=1.5A Capacity:4000mAh/14.8Wh



Remark:

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



Reference No.: WTF23D09199829Y Page 4 of 67

TEST ITEM PARTICULARS:	Will all all all all all all all all all
Product group	
Classification of use by:	☑ Ordinary person☐ Instructed person☐ Skilled person
Supply Connection:	☐ AC mains ☐ DC mains ☐ not mains connected: ☐ ES2 ☐ ES3
Supply % Tolerance:	☐ +10%/-10% ☐ +20%/-15% ☐ +%/% ☑ None
Supply Connection – Type:	 □ pluggable equipment type A - □ non-detachable supply cord □ appliance coupler □ direct plug-in □ pluggable equipment type B - □ non-detachable supply cord □ appliance coupler □ permanent connection □ mating connector ⋈ other: not Mains connected
Considered current rating of protective device as part of building or equipment installation:	☐ UK: 13 A; Others: 16 A;Location: ☐ building ☐ equipment☒ N/A
Equipment mobility:	
Over voltage category (OVC):	□ OVC I □ OVC II □ OVC III □ OVC IV ⊠ other: not Mains connected
Class of equipment:	☐ Class I ☐ Class II ☐ Class III ☐ Not classified ☐
Access location:	N/A ☐ restricted access area☐ outdoor location ☐
Pollution degree (PD):	□ PD 1⊠ PD 2 □ PD 3
Manufacturer's specified maxium operating ambient:	25°C Outdoor: minimum°C
IP protection class:	☑ IPX0 □ IP
Power Systems:	☐ TN ☐ TT ☐ ITV L-L ☐ not AC mains
Altitude during operation (m):	⊠ 2000 m or less □m
Altitude of test laboratory (m):	⊠ 2000 m or less □ m
Mass of equipment (kg)	⊠ 0.138kg



Reference No.: WTF23D09199829Y Page 5 of 67

POSSIBLE TEST CASE VERDICTS:	which was any the state of
- test case does not apply to the test object	N/A
- test object does meet the requirement	P (Pass)
- test object does not meet the requirement	F (Fail)
TESTING:	Mr. Mr. The state of
Date of receipt of test item	See covers page.
Date (s) of performance of tests	See covers page.
GENERAL REMARKS:	LIET OLIER UNLIE WALL WALL WALL WALL
"(see Enclosure #)" refers to additional information ap "(see appended table)" refers to a table appended to Throughout this report a ☐ comma / ☒ point is u	the report.
GENERAL PRODUCT INFORMATION:	
 Product Description The EUT covered by this report is a Magnetic wirele The manufacturer specified maximum ambient tempincluding 2000 m above sea level. The all electronic components are mounted on PWE ultrasonic welding, all circuits complied with ES1 and 	perature is 25°C. The specified altitude is up to and 3 and housed in a plastic enclosure which is secured by
Model Differences N/A	EX UNITER WALTER WALTER WALTER WALTER WALTER
Additional application considerations – (Considerations) N/A	rations used to test a component or sub-



Reference No.: WTF23D09199829Y Page 6 of 67

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

ENERGY SOURCE DIAGRAM
Indicate which energy sources are included in the energy source diagram. Insert diagram below
ment with the time and the text the state with the time of



Reference No.: WTF23D09199829Y Page 7 of 67

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

See details in OVERVIEW OF ENERGY SOURCES AND SAFEGUARDS



Reference No.: WTF23D09199829Y Page 8 of 67

<u> </u>			
in an	EN IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict

- 2/1	OFNEDAL DEGUIDEMENTO	The sale was sale	-2n,
4	GENERAL REQUIREMENTS	# AV AV 53	P.+
4.1.1	Acceptance of materials, components and subassemblies	(See appended table 4.1.2)	Jn P
4.1.2 mil	Use of components	Components which are certified to IEC and/or national standards are used correctly within their ratings. Components not covered by IEC standards are tested under the conditions present in the equipment. See also Annex G	nei Pwi rek wai wairek wairek
4.1.3	Equipment design and construction	Equipment is adequately designed and constructed.	P
4.1.4	Specified ambient temperature for outdoor use (°C)	Indoor use only	N/A
4.1.5	Constructions and components not specifically covered	No such constructions and components.	N/A
4.1.8	Liquids and liquid filled components (LFC)	No such parts.	N/A
4.1.15	Markings and instructions	(See Annex F)	Р
4.4.3	Safeguard robustness	See below	N/A
4.4.3.1	General	2 24 24	N/A
4.4.3.2	Steady force tests	TEN TO LITE SLIFE	N/A
4.4.3.3	Drop tests	W. Mr. M. A.	N/A
4.4.3.4	Impact tests	THE STEEL STEEL STIFF SIN'S	N/A
4.4.3.5	Internal accessible safeguard tests	No such parts.	N/A
4.4.3.6	Glass impact tests	No such glass used.	N/A
4.4.3.7	Glass fixation tests	No such parts.	N/A
in min	Glass impact test (1J)	LIER MITER WHITE WHITE S	N/A
et et	Push/pull test (10 N)		N/A
4.4.3.8	Thermoplastic material tests	THE WILL WITH MUTTER WALL MAN	N/A
4.4.3.9	Air comprising a safeguard	a state of	N/A
4.4.3.10	Accessibility, glass, safeguard effectiveness	After tests, no safeguard damaged.	N/A
4.4.4	Displacement of a safeguard by an insulating liquid	No such liquid.	N/A
4.4.5	Safety interlocks	No such parts.	N/A
4.5	Explosion	We All My My	Р
4.5.1	General White white white will	No explosion occurs during normal/abnormal operation and single fault conditions	PLI TEK
4.5.2	No explosion during normal/abnormal operating	(See Clause B.2, B.3)	AL. B



Reference No.: WTF23D09199829Y Page 9 of 67

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

1	condition	211 22	اد یا
antier a	No harm by explosion during single fault conditions	(See Clause B.4)	Р
4.6	Fixing of conductors	See below	N/A
	Fix conductors not to defeat a safeguard	Mr. Mr. M. M.	N/A
iet antie	Compliance is checked by test	CER STEP STEP STEP OF	N/A
4.7	Equipment for direct insertion into mains sock	et-outlets	N/A
4.7.2	Mains plug part complies with relevant standard	Not direct plug-in equipment.	N/A
4.7.3	Torque (Nm)	1/1 1/1 1/1	N/A
4.8	Equipment containing coin/button cell batterie	S LIER NIET WITE WITE	N/A
4.8.1	General	No coin/button cell batteries used.	N/A
4.8.2	Instructional safeguard	1 20 20 20 20	N/A
4.8.3	Battery compartment door/cover construction	EX TEX STEE STEE N	N/A
	Open torque test	111. 211.	N/A
4.8.4.2	Stress relief test	LIER NITER WITE WALL	N/A
4.8.4.3	Battery replacement test	W The state of the	N/A
4.8.4.4	Drop test	ARE UNITE WALLE	N/A
4.8.4.5	Impact test	- 1 tt	N/A
4.8.4.6	Crush test	LIE WILL WILL WILL OF	N/A
4.8.5	Compliance	and the state of	N/A
Me	30N force test with test probe	The wall will make we	N/A
TEX.	20N force test with test hook	A St St St	N/A
4.9	Likelihood of fire or shock due to entry of cond	ductive object	Р
4.10	Component requirements	at at all the	N/A
4.10.1	Disconnect Device	WITT MUT MUT MINE	N/A
4.10.2	Switches and relays	A SH SH SH	N/A

5	ELECTRICALLY-CAUSED INJURY		Р
5.2	Classification and limits of electrical energy sources		Р
5.2.2	ES1, ES2 and ES3 limits	at at at the the	Р
5.2.2.2	Steady-state voltage and current limits	(See appended table 5.2)	Р
5.2.2.3	Capacitance limits	No such capacitors	N/A
5.2.2.4	Single pulse limits	No such single pulses	N/A
5.2.2.5	Limits for repetitive pulses	No such repetitive pulses	N/A
5.2.2.6	Ringing signals	No such ringing signals	N/A
5.2.2.7	Audio signals	LEN TEN TEN STEEL STEEL STEEL	N/A



Reference No.: WTF23D09199829Y Page 10 of 67

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

Giddoo	1 6 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	at the second of	10-11-0
5.3	Protection against electrical energy sources	the state of the s	Р
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	while while while whi	₩P
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	TEX TEX STEX STEE	N/A
5.3.1 b)	Skilled persons not unintentional contact ES3 bare conductors	A let set set	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Only ES1 circuit and the enclosure (safeguard) are accessed to person.	P
d .	Accessibility to outdoor equipment bare parts	201 101	N/A
5.3.2.2	Contact requirements	LIER WILL WILL MILL	N/A
_E+ _E	Test with test probe from Annex V	an an	
5.3.2.2 a)	Air gap – electric strength test potential (V)	LIER WILL MALL WALL	N/A
5.3.2.2 b)	Air gap – distance (mm)	a st st	N/A
5.3.2.3	Compliance	ET WILL WILL ME M	N/A
5.3.2.4	Terminals for connecting stripped wire	No stripped wire used.	N/A
5.4	Insulation materials and requirements	WILL MULL MULL MULL	Р
5.4.1.2	Properties of insulating material	No insulation as a safeguard.	N/A
5.4.1.3	Material is non-hygroscopic	The sure sure	N/A
5.4.1.4	Maximum operating temperature for insulating materials	(See appended table 5.4.1.4, 9.3, B.1.5, B.2.6, B.3, B.4)	P.
5.4.1.5	Pollution degrees	e of the state of	N/A
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	white white white wh	N/A
5.4.1.5.3	Thermal cycling test	WILL WILL MULL MULL	N/A
5.4.1.6	Insulation in transformers with varying dimensions	The state of the	N/A
5.4.1.7	Insulation in circuits generating starting pulses	NITE WALL WALL WALL	N/A
5.4.1.8	Determination of working voltage	a at at at	N/A
5.4.1.9	Insulating surfaces	IE WALL MULL MULL ON	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	- NIEK MITER MITER WATER	N/A
5.4.1.10.2	Vicat test	70 x x x	N/A
5.4.1.10.3	Ball pressure test	WILE MULLE MULL MULL	N/A
5.4.2	Clearances	1 A B B	N/A
5.4.2.1	General requirements	LIE MILL MILL MILL	N/A
WILLER	Clearances in circuits connected to AC Mains, Alternative method	Et SLIER WILER WILLER	N/A
5.4.2.2	Procedure 1 for determining clearance	20, 20, 20	N/A
Wer an	Temporary overvoltage	LIFE OUT TO MITE MALE	_



Reference No.: WTF23D09199829Y Page 11 of 67

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Clause	Requirement – Test	Result – Remark	Verdict
5.4.2.3	Procedure 2 for determining clearance	Mer were my	N/A
5.4.2.3.2.2	a.c. mains transient voltage	18 11 NICH	mu —
5.4.2.3.2.3	d.c. mains transient voltage	mer are are	~ _
5.4.2.3.2.4	External circuit transient voltage	THE STATE OF STATES	nrie _
5.4.2.3.2.5	Transient voltage determined by measurement	100 111 121 12	
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	THE WITTER WITTER	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	White Milita Milit	N/A
5.4.2.6	Clearance measurement	TEK LIEK OLIEK	N/A
5.4.3	Creepage distances	Mr. Mr. M.	N/A
5.4.3.1	General	LIEF SLIEF SLIEF	N/A
5.4.3.3	Material group	2m, m, a,	<i>*</i> –
5.4.3.4	Creepage distances measurement	Et nitet uniternit	N/A
5.4.4	Solid insulation	1 1 1 N	N/A
5.4.4.1	General requirements	WITE WALL MALL	N/A
5.4.4.2	Minimum distance through insulation		N/A
5.4.4.3	Insulating compound forming solid insulation	The same	N/A
5.4.4.4	Solid insulation in semiconductor devices		N/A
5.4.4.5	Insulating compound forming cemented joints	is we me m	N/A
5.4.4.6	Thin sheet material	* TEK TEK LIT	N/A
5.4.4.6.1	General requirements	Mr. Mr. M.	N/A
5.4.4.6.2	Separable thin sheet material	THE LITTER STEEL	N/A
*	Number of layers (pcs)	an an an	N/A
5.4.4.6.3	Non-separable thin sheet material	TER TIER WITER	N/A
* #	Number of layers (pcs)		N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	EK WALTER WALTER WAL	N/A
5.4.4.6.5	Mandrel test	- TEN TEN STE	N/A
5.4.4.7	Solid insulation in wound components	Mr. Mr. Mr.	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz, E_P , K_R , d , V_{PW} (V)	WALTER WALTER WALTER	N/A
TEK WILTE	Alternative by electric strength test, tested voltage (V), K _R	LIEF WHILE WHILEK W	N/A
5.4.5	Antenna terminal insulation	1 1 1 1 1	N/A
5.4.5.1	General	White with much	N/A
5.4.5.2	Voltage surge test	4 4 15	N/A



Reference No.: WTF23D09199829Y Page 12 of 67

Clause	EN IEC 62368-	5 41 45 5	Mandiat
Clause	Requirement – Test	Result – Remark	Verdict
5.4.5.3	Insulation resistance (MΩ)	The The The	N/A
MULL M	Electric strength test	ALTER MALTER MALTER	"N/A
5.4.6	Insulation of internal wire as part of supplementary safeguard	TEX LIEX NUTER I	N/A
5.4.7	Tests for semiconductor components and for cemented joints	of the text	N/A
5.4.8	Humidity conditioning	s me me m	N/A
WALTER OF	Relative humidity (%), temperature (°C), duration (h)	A NOTE MATER WATE	whi -
5.4.9	Electric strength test	at at the	N/A
5.4.9.1	Test procedure for type test of solid insulation	West Mer Mer.	N/A
5.4.9.2	Test procedure for routine test	et set set	N/A
5.4.10	Safeguards against transient voltages from external circuits	in the state of	N/A
5.4.10.1	Parts and circuits separated from external circuits	E WILL MUT AND	N/A
5.4.10.2	Test methods	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
5.4.10.2.1	General	MULL MULL MULL	N/A
5.4.10.2.2	Impulse test	at the	N/A
5.4.10.2.3	Steady-state test	2 24 2	N/A
5.4.10.3	Verification for insulation breakdown for impulse test	TE WALLE WALLY WA	N/A
5.4.11	Separation between external circuits and earth	e at at a	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	Mult mir my	N/A
5.4.11.2	Requirements	nite white white	N/A
LIFEH WALTE	SPDs bridge separation between external circuit and earth	STER STER STER I	N/A
	Rated operating voltage U _{op} (V)	10 m 20 m	
MULL	Nominal voltage U _{peak} (V)	IEK WITER WHITE MAI	- nr
TEK	Max increase due to variation ΔU _{sp}	L AL A	_
21/2 21	Max increase due to ageing ΔU _{sa}	WILL WILL MILL	aur -
5.4.11.3	Test method and compliance	A ct ct	N/A
5.4.12	Insulating liquid	WILL MULL MULL	N/A
5.4.12.1	General requirements	at the little	N/A
5.4.12.2	Electric strength of an insulating liquid	ric mer mer m	N/A
5.4.12.3	Compatibility of an insulating liquid	at the the	N/A
5.4.12.4	Container for insulating liquid	Mer Mr M	N/A
5.5	Components as safeguards	. It let the	N/A



Reference No.: WTF23D09199829Y Page 13 of 67

	EN IEC 62368-	2, 70, 70, 2,	1
Clause	Requirement – Test	Result – Remark	Verdict
5.5.1	General	No such components as safeguards.	N/A
5.5.2	Capacitors and RC units	any any any	N/A
5.5.2.1	General requirement	TEX TEX NITER MIT	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	of the text step	N/A
5.5.3	Transformers	in mer mer m	N/A
5.5.4	Optocouplers	t let the little	N/A
5.5.5	Relays	The Me Me	N/A
5.5.6	Resistors	TEX LIET OLITER IN	N/A
5.5.7	SPDs	me me m	N/A
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable	LIER WHITER WHITER WHITE	N/A
5.5.9	Safeguards for socket-outlets in outdoor equipment	EX MILIER WALTER	N/A
JEX	RCD rated residual operating current (mA)	A AT AT	<u> </u>
5.6	Protective conductor	WELL MUT MUT M	N/A
5.6.2	Requirement for protective conductors	at the st	N/A
5.6.2.1	General requirements	Class III equipment	N/A
5.6.2.2	Colour of insulation	THE THE LITTE STIFF	N/A
5.6.3	Requirement for protective earthing conductors	es me me m	N/A
MILTER	Protective earthing conductor size (mm²)	et the tiet while.	
SLIEK I	Protective earthing conductor serving as a reinforced safeguard	The American	N/A
164 7	Protective earthing conductor serving as a double safeguard	and with any and	N/A
5.6.4	Requirements for protective bonding conductors	RITE WALTE WALL WALL	N/A
5.6.4.1	Protective bonding conductors	a st set set	N/A
an.	Protective bonding conductor size (mm²)	The Mary Mary	2 ₀
5.6.4.2	Protective current rating (A)	- At let let	N/A
5.6.5	Terminals for protective conductors	Mer Mer Mer A	N/A
5.6.5.1	Terminal size for connecting protective earthing conductors (mm)	UNLIES WALTES WALTES WAL	N/A
TEX WALTE	Terminal size for connecting protective bonding conductors (mm)	TEL NIEK WIEK WAITE	N/A
5.6.5.2	Corrosion	70 A X	N/A
5.6.6	Resistance of the protective bonding system	er with antier antier	N/A
5.6.6.1	Requirements	1 x x x	N/A
5.6.6.2	Test Method	NITE MITE WILL AND	N/A



Reference No.: WTF23D09199829Y Page 14 of 67

	EN IEC 62368-	2 41 42 4	I	
Clause	Requirement – Test	Result – Remark	Verdict	
5.6.6.3	Popietones (O) or voltage dren	Anti Anti Anti Anti An	N/A	
	Resistance (Ω) or voltage drop	at 1st 1st 1st	6 V	
5.6.7	Reliable connection of a protective earthing conductor	men men men men	N/A	
5.6.8	Functional earthing	THE STEEL STEEL SHIPE	N/A	
	Conductor size (mm²)	m m m	N/A	
while	Class II with functional earthing marking	JEK SLIEK WITER WALTER S	N/A	
- Lit	Appliance inlet cl &cr (mm)	n, n, +	N/A	
5.7	Prospective touch voltage, touch current and p	rotective conductor current	N/A	
5.7.2	Measuring devices and networks	10 V 1/2 1/2	N/A	
5.7.2.1	Measurement of touch current	THE WALL WALL WALL	N/A	
5.7.2.2	Measurement of voltage	at the Alle	N/A	
5.7.3	Equipment set-up, supply connections and earth connections	LIE MILL MILL WILL	N/A	
5.7.4	Unearthed accessible parts	EX WIFE WIFE WIFE W	N/A	
5.7.5	Earthed accessible conductive parts	The second second	N/A	
5.7.6	Requirements when touch current exceeds ES2 limits	White White White whi	N/A	
Will MU	Protective conductor current (mA)	At A RITE MITE	N/A	
st si	Instructional Safeguard	1 1 1	N/A	
5.7.7	Prospective touch voltage and touch current associated with external circuits	TE WHITE WALLS WHITE	N/A	
5.7.7.1	Touch current from coaxial cables	A TEX STEX STEEL OF	N/A	
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	at at at	N/A	
5.7.8	Summation of touch currents from external circuits	mer was and with	N/A	
74 - 74 20 - 740 - 740 - 740 - 740 - 740 - 740 - 740 - 740 - 740 - 740 - 740 - 740 - 740 - 740 - 740 - 740 - 740 - 740	a) Equipment connected to earthed external circuits, current (mA)	NIE WALL WILL MAN	N/A	
MULL	b) Equipment connected to unearthed external circuits, current (mA)	EX WILLE MULLES MULLE A	N/A	
5.8	Backfeed safeguard in battery backed up suppl	lies of the title of	N/A	
200	Mains terminal ES	No battery used	N/A	
CITE IN	Air gap (mm)	LEK LEK CIER LIE	N/A	

	6	ELECTRICALLY- CAUSED FIRE	
75	6.2	Classification of PS and PIS	Р



Reference No.: WTF23D09199829Y Page 15 of 67

-20.	EN IEC 62368-	13 arr ar ar a	y
Clause	Requirement – Test	Result – Remark	Verdict
6.2.2	Power source circuit classifications	PS (power source) classification determined by measuring the maximum power in Figures 34 and 35 for load and power source circuits. (See appended table 6.2.2)	P. P. C. WALLER
6.2.3	Classification of potential ignition sources	at at all the	N/A
6.2.3.1	Arcing PIS	in my my my m	N/A
6.2.3.2	Resistive PIS	(See appended table 6.2.3.2)	N/A
6.3	Safeguards against fire under normal operating conditions	and abnormal operating	N/A
6.3.1	No ignition and attainable temperature value less than 90 % defined by ISO 871 or less than 300 °C for unknown materials	No ignition and no such temperature attained within the equipment. (See appended table B.1.5 & B.3)	N/A
Me	Combustible materials outside fire enclosure	No such parts	N/A
6.4	Safeguards against fire under single fault condit	tions	- P
6.4.1	Safeguard method	Control fire spread	₹ ₀ P
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	THE MALTER WALTER	N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	The little	N/A
6.4.3.1	Supplementary safeguards	Mr. M. M.	N/A
6.4.3.2	Single Fault Conditions	it lift alies with an	N/A
	Special conditions for temperature limited by fuse	m m m	N/A
6.4.4	Control of fire spread in PS1 circuits	LIER OLIER WITE MILE	un P
6.4.5	Control of fire spread in PS2 circuits	241 24 24 24	N/A
6.4.5.2	Supplementary safeguards	LIER MITER WHITE WHITE	N/A
6.4.6	Control of fire spread in PS3 circuits	The state of the s	N/A
6.4.7	Separation of combustible materials from a PIS	IER WILL WELL AND AND	N/A
6.4.7.2	Separation by distance	1 1 1 1 1	N/A
6.4.7.3	Separation by a fire barrier	No fire barrier used.	N/A
6.4.8	Fire enclosures and fire barriers	See below.	Р
6.4.8.2	Fire enclosure and fire barrier material properties	MUTTE MUTE MUTE MUTE	N/A
6.4.8.2.1	Requirements for a fire barrier	No fire barrier used.	N/A
6.4.8.2.2	Requirements for a fire enclosure	The Mary Aug Aug 2	N/A
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	See below	N/A
6.4.8.3.1	Fire enclosure and fire barrier openings	No openings	N/A
6.4.8.3.2	Fire barrier dimensions	No specific barrier provided.	N/A



Reference No.: WTF23D09199829Y Page 16 of 67

Clause	Requirement – Test	Result – Remark	Verdict
Olduso	Troquirement Test	Troodic Tromain	Volulot
6.4.8.3.3	Top openings and properties	No top opening	N/A
antic a	Openings dimensions (mm)	LIER WITE WITE WHITE	N/A
6.4.8.3.4	Bottom openings and properties	No bottom opening	N/A
in m	Openings dimensions (mm)	PLITER WALL WALL WALL	N/A
IEK WYTER	Flammability tests for the bottom of a fire enclosure	fet aliet mitet mitet	N/A
- Let	Instructional Safeguard	71 7	N/A
6.4.8.3.5	Side openings and properties	No side openings	N/A
A.	Openings dimensions (mm)		N/A
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c)	No enclosure can be opened by an ordinary person	N/A
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating	LIER WATER WATER WATER	N/A
6.4.9	Flammability of insulating liquid	et let the title of	N/A
6.5	Internal and external wiring	in the many	Р
6.5.1	General requirements	The internal wires are complied with UL standard, of which the test method and testing condition are equal to IEC/EN 60695-11-21.	WALTER A
6.5.2	Requirements for interconnection to building wiring	See 6.5.1.	NITER P
6.5.3	Internal wiring size (mm2) for socket-outlets	No such wire used	N/A
6.6	Safeguards against fire due to the connection to a	dditional equipment	Р
<u></u>	INJURY CAUSED BY HAZARDOUS SUBSTANC	VEC .	P
7 7.2	Reduction of exposure to hazardous substance		N/A
7.3			N/A
7.4	Ozone exposure Use of personal safeguards or personal protec	tive equipment (DDE)	N/A
NI TE	Personal safeguards and instructions		IN/A
7.5	Use of instructional safeguards and instruction	701 20.	N/A
211 2	Instructional safeguard (ISO 7010)	CALLET WALLET WALL	IN/A
7.6	Batteries and their protection circuits	101 101 101 101 101 101 101 101 101 101	— Р
1.0 July	Batteries and their protection circuits	THE WALL WALL WALL	7/1/0
8	MECHANICALLY-CAUSED INJURY		P
8.2	Mechanical energy source classifications	WILE MULL MULL MULL	Р
8.3	Safeguards against mechanical energy sources	+ of of the	P.
8.4	Safeguards against parts with sharp edges and	corners	Р
8.4.1	Safeguards	L A A A A	Р



Reference No.: WTF23D09199829Y Page 17 of 67

01	EN IEC 62368-	2, 40, 72, 2	
Clause	Requirement – Test	Result – Remark	Verdict
NITEK SIN	Instructional Safeguard:	MS1: Edges and corners of enclosure	P
8.4.2	Sharp edges or corners	Edges and corners of the enclosure are rounded.	Р
8.5	Safeguards against moving parts	Will Mrs. Mrs. Mrs.	N/A
8.5.1	Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts	No moving parts.	N/A
WALTER	MS2 or MS3 part required to be accessible for the function of the equipment	See above.	N/A
- A-	Moving MS3 parts only accessible to skilled person	The state of	N/A
8.5.2	Instructional safeguard	SLIER WILL MULL MULL	N/A
8.5.4	Special categories of equipment containing moving parts	THE STEEL STEEL WITCH	N/A
8.5.4.1	General	1 14 14 14 14 14 14 14 14 14 14 14 14 14	N/A
8.5.4.2	Equipment containing work cells with MS3 parts	ex liex when while an	N/A
8.5.4.2.1	Protection of persons in the work cell	711 721 7	N/A
8.5.4.2.2	Access protection override	CHIEF WITE WALTE WALT	N/A
8.5.4.2.2.1	Override system	The set	N/A
8.5.4.2.2.2	Visual indicator	The sunt sunt	N/A
8.5.4.2.3	Emergency stop system		N/A
+ TEX	Maximum stopping distance from the point of activation (m)	the ment was and a	N/A
7h 7	Space between end point and nearest fixed mechanical part (mm):	MULLE WALL MAIL WALL ON	N/A
8.5.4.2.4	Endurance requirements	LIER OLIER WIFE WALTE	N/A
LIEN WALTE	Mechanical system subjected to 100 000 cycles of operation	TEX TEX STEEL OUTER	N/A
4 1	- Mechanical function check and visual inspection	L. M. M. M.	N/A
MILITE	- Cable assembly	Et still still with so	N/A
8.5.4.3	Equipment having electromechanical device for destruction of media	the text step step	N/A
8.5.4.3.1	Equipment safeguards	Mr. Mr. Mr. Mr.	N/A
8.5.4.3.2	Instructional safeguards against moving parts:	TEX TIEK STIEK MITE	N/A
8.5.4.3.3	Disconnection from the supply	Mr. Mr. Mr.	N/A
8.5.4.3.4	Cut type and test force (N)	TEX NITER INTER WAITE	N/A
8.5.4.3.5	Compliance	10 2	N/A
8.5.5	High pressure lamps	No high pressure lamps used.	N/A
Tet .	Explosion test	The second second	N/A
8.5.5.3	Glass particles dimensions (mm):	RETE WITE WALL WALL	N/A



N/A

Reference No.: WTF23D09199829Y Page 18 of 67

EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
0.0	Obstaller of a majority and	the write was and a	NI/A
8.6	Stability of equipment	Lucy at the second	N/A
8.6.1	General	MS1: Mass of the unit	N/A
16th 15	Instructional safeguard:	the set out of	N/A
8.6.2	Static stability	With My All All	N/A
8.6.2.2	Static stability test	the fifth the	N/A
8.6.2.3	Downward force test	, me me m	N/A
8.6.3	Relocation stability	t get lifet aller of	N/A
	Wheels diameter (mm)	All All In A	_
WELL SAL	Tilt test	TEX TEX WITH WITH	N/A
8.6.4	Glass slide test	My M. W. W.	N/A
8.6.5	Horizontal force test:	LIER MITER WITER WALTE	N/A
8.7	Equipment mounted to wall, ceiling or other stru	ucture	N/A
8.7.1	Mount means type:	No wall or ceiling	N/A
8.7.2	Test methods		N/A
me i	Test 1, additional downwards force (N):	WITE WALTE WALL VIN	N/A
NITEK WIL	Test 2, number of attachment points and test force (N)	THE MILITER WALL	N/A
TEK MITE	Test 3 Nominal diameter (mm) and applied torque (Nm)	THE RITH	N/A
8.8	Handles strength	The Marian	N/A
8.8.1	General	No handles	N/A
8.8.2	Handle strength test	All All And And	N/A
Write W	Number of handles	LIEF ALTER MATERIAL	_
- 	Force applied (N)	111 111 111	
8.9	Wheels or casters attachment requirements	SLIER WITE WHITE WALLE	N/A
8.9.2	Pull test	No such parts	N/A
8.10	Carts, stands and similar carriers	ITER UNITED WHITE WHITE	N/A
8.10.1	General	No carts, stands or similar carriers	N/A
8.10.2	Marking and instructions	M. M. M.	N/A
8.10.3	Cart, stand or carrier loading test	ALTER DUTER MALTER MALT	N/A
ret se	Loading force applied (N):	211 211	N/A
8.10.4	Cart, stand or carrier impact test	LIEF WITE WALLE WALL	N/A
8.10.5	Mechanical stability		N/A
1115	Force applied (N):	CONTRACT WALL OF	11, 10,

Thermoplastic temperature stability

8.10.6



Reference No.: WTF23D09199829Y Page 19 of 67

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

8.11	Mounting means for slide-rail mounted equipment (SRME)		N/A
8.11.1	General	No such parts	N/A
8.11.2	Requirements for slide rails	The state of	N/A
in an	Instructional Safeguard	OLITER WALTER WALTER WALTER	N/A
8.11.3	Mechanical strength test	a start all	N/A
8.11.3.1	Downward force test, force (N) applied:	TER WALTER WALTER WALL WILL	N/A
8.11.3.2	Lateral push force test	e state of the	N/A
8.11.3.3	Integrity of slide rail end stops	mer and me and	N/A
8.11.4	Compliance	at at 18th 1784	N/A
8.12	Telescoping or rod antennas	Merry Aug Mer My	N/A
OFFICE CONTRACTOR	Button/ball diameter (mm):	No such parts	_

9	THERMAL BURN INJURY		JEK PUTE
9.2	Thermal energy source classifications Touch temperature limits		Р
9.3			Р
9.3.1	Touch temperatures of accessible parts	: (See appended table 5.4.1.4, 9.3, B.1.5, B.2.6)	Р
9.3.2	Test method and compliance	See B.1.6 & B.2.3	л _{г.} Ь _{гл.}
9.4	Safeguards against thermal energy sources	The state of the s	JE P JI
9.5	Requirements for safeguards		Р
9.5.1	Equipment safeguard	Enclosure provided to limit the transfer of thermal energy of internal parts under normal operating conditions and abnormal operating conditions.	P.T. P.T. P.
9.5.2	Instructional safeguard	: Instructional safeguard is not required.	N/A
9.6	Requirements for wireless power transmitte	ers when the same and the same	JEP JO
9.6.1	General	LIER CLIER WITE WALLE WE	P
9.6.2	Specification of the foreign objects	111 111 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	+ Pot
9.6.3	Test method and compliance	with mile will	WP.

10	RADIATION Radiation energy source classification		Jun P Jun
10.2			Р
10.2.1	General classification	See below	Pur Pur
y .(i)	Lasers		_
Wh.	Lamps and lamp systems:	RS1: LED only for indicating use which is considered as low power application.	_



Reference No.: WTF23D09199829Y Page 20 of 67

Clause	Requirement – Test	Result – Remark	Verdict
Oladoc	Trequirement Test	roout roman	Verdiet
1	Image projectors	141, 141, 151, 15	_
Maria M	X-Ray	ALTER WALTER WALTER WALTER	_
all .	Personal music player	The state of	_
10.3	Safeguards against laser radiation	CULTER MALIE WALL WALL	N/A
iek whitek	The standard(s) equipment containing laser(s) comply	No laser radiation	N/A
10.4	Safeguards against optical radiation from lamp (including LED types)	s and lamp systems	JEK P
10.4.1	General requirements	LED indication light: Classed as RS1 (Exempt Group)	P
TEF I	Instructional safeguard provided for accessible radiation level needs to exceed	uni uni un un	N/A
211	Risk group marking and location:	LIE MALTE WALL WALL	N/A
the Little	Information for safe operation and installation	a at at let	N/A
10.4.2	Requirements for enclosures	while were my w	N/A
J. J. F.	UV radiation exposure	et set set set	N/A
10.4.3	Instructional safeguard	white mur my	N/A
10.5	Safeguards against X-radiation	the Title Alife	N/A
10.5.1	Requirements	No X-radiation	N/A
TER SILIE	Instructional safeguard for skilled persons	All The Little	_
10.5.3	Maximum radiation (pA/kg)	Mr. M. M.	_
10.6	Safeguards against acoustic energy sources	EX LIER NITER WITE NO	N/A
10.6.1	General	No such equipment	N/A
10.6.2	Classification	LIER WILL MILE MILE	N/A
et a	Acoustic output L _{Aeq,T} , dB(A)	Su The lite	N/A
r. mr	Unweighted RMS output voltage (mV):	LIER WIFE WALL WALL	N/A
Et JEY	Digital output signal (dBFS)	a start	N/A
10.6.3	Requirements for dose-based systems	THE WALL WALL THE	N/A
10.6.3.1	General requirements	and the state of	N/A
10.6.3.2	Dose-based warning and automatic decrease	WHIT MUT MUT AND	N/A
10.6.3.3	Exposure-based warning and requirements	at at all all	N/A
1, 20,	30 s integrated exposure level (MEL30)	MULL MULL MULL MILL	N/A
7 ^{EK} (217 ^E	Warning for MEL ≥ 100 dB(A)	et tet tet utet	N/A
10.6.4	Measurement methods	The Mar Mr. Mr.	N/A
10.6.5	Protection of persons	et let liet liet	N/A
7.	Instructional safeguards	me me me	N/A
10.6.6	Requirements for listening devices (headphones,	AT ANY SET S	N/A



Reference No.: WTF23D09199829Y Page 21 of 67

	EN IEC 62368	-11th meit while wh	
Clause	Requirement – Test	Result – Remark	Verdict
alie	THE	TER SITE WITH MICE	The Mr.
A	earphones, etc.)	70, 10,	st st
10.6.6.1	Corded listening devices with analogue input	LIER NITER WITER	N/A
*	Listening device input voltage (mV)	14. 14. 15.	N/A
10.6.6.2	Corded listening devices with digital input	STER STER SOUTH IN	N/A
et el	Max. acoustic output L _{Aeq,T} , dB(A):	111 701 7	N/A
10.6.6.3	Cordless listening devices	VIEW WITE WITE WINE	N/A
- 124	Max. acoustic output L _{Aeq,T} , dB(A):	7, 7	N/A

В	NORMAL OPERATING CONDITION TESTS, AB CONDITION TESTS AND SINGLE FAULT COND		P
B.1	General Control of the Control of th		Р
B.1.5	Temperature measurement conditions	(See appended table B.1.5)	P.
B.2	Normal operating conditions	in my my	μP
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	Р
MITER	Audio Amplifiers and equipment with audio amplifiers	Inited whitek whitek white	N/A
B.2.3	Supply voltage and tolerances	See pages 2 rating.	P
B.2.5	Input test	(See appended table B.2.5)	Р
B.3	Simulated abnormal operating conditions	The Tipe	JE P
B.3.1	General	(See appended table B.3)	Р
B.3.2	Covering of ventilation openings	No ventilation openings.	N/A
20,	Instructional safeguard:	Mer My My My	N/A
B.3.3	DC mains polarity test	Not supplied by D.C. mains	N/A
B.3.4	Setting of voltage selector	No such selector	N/A
B.3.5	Maximum load at output terminals	(See appended table B.3)	P.
B.3.6	Reverse battery polarity	No such battery	N/A
B.3.7	Audio amplifier abnormal operating conditions	LET STEET STEET SOUTH SIN	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions	All safeguards remained effective	F PR
B.4	Simulated single fault conditions	mr. m. m. m.	Р
B.4.1	General	TEX LIES NITES INTE	NA LIP
B.4.2	Temperature controlling device	NTC used on battery protective board. The test is carried out for three times, no failure. See appended table B.4 for details	P LITER W
B.4.3	Blocked motor test	No motors	N/A
B.4.4	Functional insulation	See below.	Р



Reference No.: WTF23D09199829Y Page 22 of 67

Clause	Requirement – Test	Result – Remark	Verdict
Olause	requirement rest	result remain	Verdice
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.4)	P
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	Р
B.4.4.3	Short circuit of functional insulation on coated printed boards	No coated printed boards within the EUT	N/A
B.4.5	Short-circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.4)	WITTER PUR
B.4.6	Short circuit or disconnection of passive components	(See appended table B.4)	TEK PA
B.4.7	Continuous operation of components	The EUT is continuous operating type and no such components intended for short time operation or intermittent operation	N/A
B.4.8	Compliance during and after single fault conditions:	No change to circuits classified in 5.3	P P
B.4.9	Battery charging and discharging under single fault conditions	See annex M	Р
С	UV RADIATION		N/A
C.1	Protection of materials in equipment from UV ra	adiation	N/A
C.1.2	Requirements	No such UV generated from the equipment.	N/A
C.1.3	Test method	ITE WITE WILL WILL	N/A
C.2	UV light conditioning test	and the state of	N/A
C.2.1	Test apparatus ::	MULTER MALTE WALL WE	N/A
C.2.2	Mounting of test samples	L at at a	N/A
C.2.3	Carbon-arc light-exposure test	WILL MULL MULL MULL MULL	N/A
C.2.4	Xenon-arc light-exposure test	a state set	N/A
D	TEST GENERATORS		N/A
D.1	Impulse test generators	at let let let	N/A
D.2	Antenna interface test generator	in the the ship a	N/A
D.3	Electronic pulse generator	y ret test liter of	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	IING AUDIO AMPLIFIERS	N/A
E.1	Electrical energy source classification for audio	o signals	N/A
	Maximum non-clipped output power (W):	me me in m	
The WALL	Rated load impedance (Ω):	TEX STEE OUTER SOUTE	
+ e+	Open-circuit output voltage (V)	211 211	_
MULL	Instructional safeguard:	ex originality while w	· _
E.2	Audio amplifier normal operating conditions		N/A
Wer in	Audio signal source type:	ALTER WITE WALL WALL	



Reference No.: WTF23D09199829Y Page 23 of 67

Clause	Requirement – Test	Result – Remark	Verdict
Olause	requirement rest	result remain	Verdice
.2+	Audio output power (W)	1111 1111 1111	_
mrs. W	Audio output voltage (V)	CLIER WILL MILL MALL	_
LET S	Rated load impedance (Ω):	The state of the	_
10 200	Requirements for temperature measurement	ALTE WALTE WALT WALT	N/A
E.3	Audio amplifier abnormal operating conditions	a at at at	N/A
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND SAFEGUARDS	INSTRUCTIONAL	P
F.1	General	it nife white white whi	√P
All L	Language:	English	_
F.2	Letter symbols and graphical symbols	Write While Mary Mary	√u P
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	MITE P
F.2.2	Graphic symbols according to IEC, ISO or manufacturer specific	Graphical symbols are complied with IEC 60417, ISO 3864-2, ISO 7000 or ISO 7010.	P
F.3	Equipment markings	What was a second	Р
F.3.1	Equipment marking locations	The required marking is located on the enclosure of the equipment and is easily visible.	MILLER VALLE
F.3.2	Equipment identification markings	See below for details.	Р
F.3.2.1	Manufacturer identification	See copy of marking plate	Р
F.3.2.2	Model identification	See copy of marking plate	- P
F.3.3	Equipment rating markings	See below for details.	AL. B
F.3.3.1	Equipment with direct connection to mains	a to the left	N/A
F.3.3.2	Equipment without direct connection to mains	See above.	P
F.3.3.3	Nature of the supply voltage	See copy of marking plate.	THE P
F.3.3.4	Rated voltage:	See copy of marking plate.	Р
F.3.3.5	Rated frequency	DC supply	P
F.3.3.6	Rated current or rated power	See copy of marking plate.	Р
F.3.3.7	Equipment with multiple supply connections	Single supply connection.	N/A
F.3.4	Voltage setting device	No voltage setting device.	N/A
F.3.5	Terminals and operating devices	THE THE LIFE MITTER.	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings:	of the tilt	N/A
F.3.5.2	Switch position identification marking	mir mr mr m	N/A
F.3.5.3	Replacement fuse identification and rating markings	NIEK WIFE WIFE WHIFE	N/A



Reference No.: WTF23D09199829Y Page 24 of 67

10	EN IEC 62368-	Er any any	in
Clause	Requirement – Test	Result – Remark	Verdict
The .		Er Will Mary My	411
	Instructional safeguards for neutral fuse		N/A
F.3.5.4	Replacement battery identification marking	No such battery.	N/A
F.3.5.5	Neutral conductor terminal	No such parts.	N/A
F.3.5.6	Terminal marking location	WILL MULL MULL MULL	N/A
F.3.6	Equipment markings related to equipment classification	Class III equipment	N/A
F.3.6.1	Class I equipment	111 20	N/A
F.3.6.1.1	Protective earthing conductor terminal	ALTER WITE WALL WAL	N/A
F.3.6.1.2	Protective bonding conductor terminals	An A St. Of	N/A
F.3.6.2	Equipment class marking	ALTER MILE WALL WALL	N/A
F.3.6.3	Functional earthing terminal marking:	The state of the s	N/A
F.3.7	Equipment IP rating marking	This equipment is classified as IPX0.	10°2 <u>-</u> 3
F.3.8	External power supply output marking	See copy of marking plate.	Р
F.3.9	Durability, legibility and permanence of marking	Marking is considered to be legible and easily discernible. See also the following details.	P
F.3.10	Test for permanence of markings	The label was subjected to the permanence of marking test. The label was rubbed with cloth soaked with water for 15 sec. And then again for 15 sec, with the cloth soaked with petroleum spirit. After this test there was no damage to the label. The marking on the label did not fade. There was no curling and lifting of the label edge. After each test, the marking remained legible.	MILIEN WE WALLES
F.4	Instructions	ile Me in in	Р
er antie	a) Information prior to installation and initial use	See user manual	Р
TIEK.	b) Equipment for use in locations where children not likely to be present	with the let it	N/A
20, 20	c) Instructions for installation and interconnection	MULL MAY MAY MAY	N/A
INLIEK WIN	d) Equipment intended for use only in restricted access area	MITER MITER WHITER WHITER	N/A
LEK JE	e) Equipment intended to be fastened in place	a state of set	N/A
Miss	f) Instructions for audio equipment terminals	THE WITE WALL MALL V	N/A
y Jet	g) Protective earthing used as a safeguard		N/A
m,	h) Protective conductor current exceeding ES2 limits	MULL MULL MILL MI	N/A
an Com	i) Graphic symbols used on equipment	THE LIFE MIN MIN	N/A



Reference No.: WTF23D09199829Y Page 25 of 67

	EN IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
NITEK NI	j) Permanently connected equipment not provided with all-pole mains switch	Tet Tet Tet	N/A
	k) Replaceable components or modules providing safeguard function	THE THE THE	N/A
20	Equipment containing insulating liquid	Will Aut Aut Au	N/A
IET JIE	m) Installation instructions for outdoor equipment	at all all of	N/A
F.5	Instructional safeguards	re me me me	N/A
G	COMPONENTS		Р
G.1	Switches	Mr. Mr. M.	N/A
G.1.1	General	No switch used	N/A
G.1.2	Ratings, endurance, spacing, maximum load	me me me	N/A
G.1.3	Test method and compliance	THE LITER WITER AND	N/A
G.2	Relays	14 14 14 14 14 14 14 14 14 14 14 14 14 1	N/A
G.2.1	Requirements	No relay used.	N/A
G.2.2	Overload test	20 20 3	N/A
G.2.3	Relay controlling connectors supplying power to other equipment	WALTER WALTER WALTER	N/A
G.2.4	Test method and compliance	At MITTER AND	N/A
G.3	Protective devices	7 1	N/A
G.3.1	Thermal cut-offs	No such component	N/A
k mitek	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	A LEG TEX STER	N/A
JEK .	Thermal cut-outs tested as part of the equipment as indicated in c)	The the the	N/A
G.3.1.2	Test method and compliance	WHITE WALL WALL V	N/A
G.3.2	Thermal links	No such component	N/A
G.3.2.1	a) Thermal links tested separately according to IEC 60691 with specifics	her me me m	N/A
21/2	b) Thermal links tested as part of the equipment	THE WALTE WALTE WALL	N/A
G.3.2.2	Test method and compliance	and the state of	N/A
G.3.3	PTC thermistors	No such component	N/A
G.3.4	Overcurrent protection devices	No such component	N/A
G.3.5	Safeguards components not mentioned in G.3.1 to G.3.4	mur mur m	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	TIE MULL MILL MA	N/A
G.3.5.2	Single faults conditions:	CER NITER MILIE MALIE	N/A
G.4	Connectors	70 T	N/A
G.4.1	Spacings	No such component	N/A



Reference No.: WTF23D09199829Y Page 26 of 67

01	EN IEC 62368-		V/ "
Clause	Requirement – Test	Result – Remark	Verdict
G.4.2	Mains connector configuration	And the and	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	White White white	N/A
G.5	Wound components	TEX STEX SITES OF	N/A
G.5.1	Wire insulation in wound components	No such component	N/A
G.5.1.2	Protection against mechanical stress	TER STER WITE MILE	N/A
G.5.2	Endurance test	20, 20, 7	N/A
G.5.2.1	General test requirements	ALTER WITE WALTER	N/A
G.5.2.2	Heat run test	70, 7	N/A
ine, in	Test time (days per cycle)	MITE WALLE WALL A	wer —
LET IE	Test temperature (°C)	1 x x	TEK -
G.5.2.3	Wound components supplied from the mains	TIE WILL MULL MU	N/A
G.5.2.4	No insulation breakdown	at the set of	N/A
G.5.3	Transformers	MULL MULL MULL	N/A
G.5.3.1	Compliance method:	at let let	N/A
41, 4,	Position	Wer Mur Mur	N/A
RETER MET	Method of protection	LET STEEL	N/A
G.5.3.2	Insulation	2 4, 2,	N/A
TER MILIE	Protection from displacement of windings:	The The Street Mil	<u> </u>
G.5.3.3	Transformer overload tests	The The The	N/A
G.5.3.3.1	Test conditions	of the state with	N/A
G.5.3.3.2	Winding temperatures	14 14 2	N/A
G.5.3.3.3	Winding temperatures - alternative test method	LIER OLIER MILE	N/A
G.5.3.4	Transformers using FIW	711 211	N/A
G.5.3.4.1	General	ALTER MITER MALTER WAY	N/A
Et LEX	FIW wire nominal diameter:		* -
G.5.3.4.2	Transformers with basic insulation only	TER MITE WALL WALL	N/A
G.5.3.4.3	Transformers with double insulation or reinforced insulation	- NIET WIET WILET	N/A
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	TEX TEX TIEK	N/A
G.5.3.4.5	Thermal cycling test and compliance	m m m	N/A
G.5.3.4.6	Partial discharge test	TEX STEX STEE SIL	N/A
G.5.3.4.7	Routine test	211 211 1	N/A
G.5.4	Motors	No motors used.	N/A
G.5.4.1	General requirements	20 20	N/A
G.5.4.2	Motor overload test conditions	THE STE WITE	N/A

Reference No.: WTF23D09199829Y Page 27 of 67

Ol-	Destruction of the second	Desuit Desir	11/11/11
Clause	Requirement – Test	Result – Remark	Verdict
G.5.4.3	Running overload test	They was also	N/A
G.5.4.4.2	Locked-rotor overload test	TEX STEX STEX	N/A
, t	Test duration (days):	2115 2115 311	
G.5.4.5	Running overload test for DC motors	LITER ONLIER WALLER ON	N/A
G.5.4.5.2	Tested in the unit		N/A
G.5.4.5.3	Alternative method	TEL MITTER WALTER WALT	N/A
G.5.4.6	Locked-rotor overload test for DC motors	L A A	N/A
G.5.4.6.2	Tested in the unit	WILL WALL AND	N/A
JEK N	Maximum Temperature:	at at all	N/A
G.5.4.6.3	Alternative method	MULLE MULL MULL A	N/A
G.5.4.7	Motors with capacitors	at the state of	N/A
G.5.4.8	Three-phase motors	ore mer me me	N/A
G.5.4.9	Series motors	et let let liet lie	N/A
	Operating voltage:	any any any	
G.6	Wire Insulation	t Tex Tex Cite	N/A
G.6.1	General	Only ES1 existed	N/A
G.6.2	Enamelled winding wire insulation	Little Military	N/A
G.7	Mains supply cords		N/A
G.7.1	General requirements	No such component	N/A
t et	Type		- -
G.7.2	Cross sectional area (mm² or AWG)	ed white while while	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	lifet olifet mifet	N/A
G.7.3.2	Cord strain relief	The American	N/A
G.7.3.2.1	Requirements	ALTER MITER MALTER WA	N/A
et et	Strain relief test force (N)		N/A
G.7.3.2.2	Strain relief mechanism failure	TER MALLE MALL MALL	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	a de de	N/A
G.7.3.2.4	Strain relief and cord anchorage material	WHITE WHITE WALL	N/A
G.7.4	Cord Entry	at the left	N/A
G.7.5	Non-detachable cord bend protection	WILL MULL MULL M	N/A
G.7.5.1	Requirements	at all all a	N/A
G.7.5.2	Test method and compliance	in mur mur mu	N/A
WALTER	Overall diameter or minor overall dimension, <i>D</i> (mm)	et writet write	uri –



Reference No.: WTF23D09199829Y Page 28 of 67

EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
270		Ex Tity Will Mr. M.	100	
G.7.6	Supply wiring space		N/A	
G.7.6.1	General requirements	WILL MILL MULL MULL	N/A	
G.7.6.2	Stranded wire	the state of	N/A	
G.7.6.2.1	Requirements	with many man man	N/A	
G.7.6.2.2	Test with 8 mm strand	Let the test the	N/A	
G.8	Varistors	The man man and	N/A	
G.8.1	General requirements	No such component	N/A	
G.8.2	Safeguards against fire	Mur Mur Mur M.	N/A	
G.8.2.1	General	at at att att	N/A	
G.8.2.2	Varistor overload test	min min me min	N/A	
G.8.2.3	Temporary overvoltage test	of the the the	N/A	
G.9	Integrated circuit (IC) current limiters	VE ME ME ME	N/A	
G.9.1	Requirements	No such component	N/A	
	IC limiter output current (max. 5A)	m m m	_	
UN LIFE WI	Manufacturers' defined drift	TEX LIFE NUTER WILL	_	
G.9.2	Test Program	The state of the s	N/A	
G.9.3	Compliance	Let Mile Mile	N/A	
G.10	Resistors	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A	
G.10.1	General	No such component	N/A	
G.10.2	Conditioning	The state of	N/A	
G.10.3	Resistor test	A WILL WILL MAIL MA	N/A	
G.10.4	Voltage surge test		N/A	
G.10.5	Impulse test	WILL MUTE MUNITED MAIL	N/A	
G.10.6	Overload test	a at at at	N/A	
G.11	Capacitors and RC units	INCIENTALL MACHEMALINALIS	N/A	
G.11.1	General requirements	No such component	N/A	
G.11.2	Conditioning of capacitors and RC units	The min with the	N/A	
G.11.3	Rules for selecting capacitors	- et et set set s	N/A	
G.12	Optocouplers	Met Met Met Met	N/A	
inlies vinc	Optocouplers comply with IEC 60747-5-5 with specifics	No such component	N/A	
TEN CIE	Type test voltage V _{ini,a} :	at at at the	_	
27/2	Routine test voltage, V _{ini, b} :	THE WALL WITH MALE	_	
G.13	Printed boards	at the feet feet	N/A	
G.13.1	General requirements	Only need to comply with functional insulation, see only B.4.4.	N/A	



Reference No.: WTF23D09199829Y Page 29 of 67

	EN IEC 62368-		
Clause	Requirement – Test	Result – Remark	Verdict
G.13.2	Uncoated printed boards	the water water	N/A
G.13.3	Coated printed boards	LIER NITE MITTER	N/A
G.13.4	Insulation between conductors on the same inner surface	THE THE STEEL OF	N/A
G.13.5	Insulation between conductors on different surfaces	in an an an	N/A
1,,	Distance through insulation:	The August August	N/A
CLIER	Number of insulation layers (pcs)	t get get get	
G.13.6	Tests on coated printed boards	The Mr. Mr.	N/A
G.13.6.1	Sample preparation and preliminary inspection	THE LIER NITER	N/A
G.13.6.2	Test method and compliance	me me	N/A
G.14	Coating on components terminals	THE THEY WITER AND	N/A
G.14.1	Requirements	2 My 20 1	N/A
G.15	Pressurized liquid filled components	TEX STEE WIFE SALTE	N/A
G.15.1	Requirements	No such component	N/A
G.15.2	Test methods and compliance	CLIER WILLE WILLE	N/A
G.15.2.1	Hydrostatic pressure test		N/A
G.15.2.2	Creep resistance test	Maria M	N/A
G.15.2.3	Tubing and fittings compatibility test		N/A
G.15.2.4	Vibration test	The water water water	N/A
G.15.2.5	Thermal cycling test	t of the	N/A
G.15.2.6	Force test	MULL MULL MULL	N/A
G.15.3	Compliance	Let Let Jet	N/A
G.16	IC including capacitor discharge function (ICX)	mer mer mer 1	N/A
G.16.1	Condition for fault tested is not required	No such component	N/A
1 1	ICX with associated circuitry tested in equipment	We My My My	N/A
E. WITE	ICX tested separately	EX STEX STEEL BUTE	N/A
G.16.2	Tests	10, 10, 2,	N/A
MULLE W	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	WALTER WALTER WALTER	mei –
INLTER WILL	Mains voltage that impulses to be superimposed on	Mitel Whitel Whitel	LITE —
TEX WALTE	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test	TER SLIER MIER WAL	iet —
G.16.3	Capacitor discharge test	20, 20, 3	N/A
Н	CRITERIA FOR TELEPHONE RINGING SIGNALS	S	N/A
H.1	General	w at at	N/A
H.2	Method A	alies oute andie	N/A



Reference No.: WTF23D09199829Y Page 30 of 67

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

H.3	Method B		
H.3.1	Ringing signal	No telephone ringing signal generated within the equipment.	N/A
H.3.1.1	Frequency (Hz):	Will Muly Muy My	_
H.3.1.2	Voltage (V)	et let let liet o	_
H.3.1.3	Cadence; time (s) and voltage (V):	in my my	_
H.3.1.4	Single fault current (mA):	t tex liter with and	_
H.3.2	Tripping device and monitoring voltage	1/12 1/1 1/2	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	untiles while while while	N/A
H.3.2.2	Tripping device	TEX TEX LIFE OUTER	N/A
H.3.2.3	Monitoring voltage (V):	The American	N/A
J	INSULATED WINDING WIRES FOR USE WITHO INSULATION	UT INTERLEAVED	N/A
J.1	General	- let tet tet sit	N/A
20 1	Winding wire insulation:	mer me m	_
NITE NA	Solid round winding wire, diameter (mm):	if the stiff	N/A
56k 25%	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²):	The rest	N/A
J.2/J.3	Tests and Manufacturing	it with the My a	, <u>-,</u>
K	SAFETY INTERLOCKS		N/A
K.1	General requirements		N/A
Mariter W	Instructional safeguard:	No safety interlock provided within the equipment.	N/A
K.2	Components of safety interlock safeguard mec	hanism	N/A
K.3	Inadvertent change of operating mode	intit muti mut mus.	N/A
K.4	Interlock safeguard override	at let the the	N/A
K.5	Fail-safe	int me me in	N/A
K.5.1	Under single fault condition	- THE STATE STATE OF	N/A
K.6	Mechanically operated safety interlocks	Mr. Mr. M. M.	N/A
K.6.1	Endurance requirement	TEX LIEX OLIEN WAITE	N/A
K.6.2	Test method and compliance	m m m	N/A
K.7	Interlock circuit isolation	TER STEE STEE SPITE SPITE	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements	of the tit with the	N/A
	In circuit connected to mains, separation distance for contact gaps (mm):	The My 24 A	N/A



Reference No.: WTF23D09199829Y Page 31 of 67

EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
CALLER S	In circuit isolated from mains, separation distance for contact gaps (mm):	Tet Tet Liet with	N/A	
THE S	Electric strength test before and after the test of K.7.2	(See appended table 5.4.9)	N/A	
K.7.2	Overload test, Current (A)	UTIL MUTI MUTICALITY	N/A	
K.7.3	Endurance test	at all all other	N/A	
K.7.4	Electric strength test	i mi mi m	N/A	
L	DISCONNECT DEVICES		N/A	
L.1	General requirements	Mer Mr. M. M.	N/A	
L.2	Permanently connected equipment	TEX STEX STEE STEE	N/A	
L.3	Parts that remain energized	me me m	N/A	
L.4	Single-phase equipment	THE LIFE SLIFE WHILE	N/A	
L.5	Three-phase equipment	2 10 10 10	N/A	
L.6	Switches as disconnect devices	Et liet nite mite on	N/A	
L.7	Plugs as disconnect devices	711 711 11	N/A	
L.8	Multiple power sources	ALTER OLITE MALTE MALT	N/A	
J. O.	Instructional safeguard		N/A	
M	EQUIPMENT CONTAINING BATTERIES AND THEIR PROTECTION CIRCUITS		W P	
M.1	General requirements		P	
M.2	Safety of batteries and their cells		Р	
M.2.1	Batteries and their cells comply with relevant IEC standards:	Approved battery pack used	P	
M.3	Protection circuits for batteries provided within the equipment	THE LITTLE SLITTER MATE	P	
M.3.1	Requirements	241 241 241	Р	
M.3.2	Test method	TEX LIET RUE WITE	JE P.	
EK MITEN	Overcharging of a rechargeable battery	(See appended table Annex M)	TEK P	
CIEN	Excessive discharging	(See appended table Annex M)	P	
18th	Unintentional charging of a non-rechargeable battery	No such battery used	N/A	
ir Vr. M	Reverse charging of a rechargeable battery	Built-in battery used, reverse charging is prevented	N/A	
M.3.3	Compliance	No chemical leakage, no spillage of liquid, no explosion of the battery, no emission of flame or expulsion of molten metal	P.V	
M.4	Additional safeguards for equipment containing lithium battery	g a portable secondary	W.P.	



Reference No.: WTF23D09199829Y Page 32 of 67

01	EN IEC 62368-	2, 41, 22, 2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Clause	Requirement – Test	Result – Remark	Verdict
M.4.1	General	Mary Aug One Aug	P
M.4.2	Charging safeguards	Under normal operating conditions, abnormal operating conditions or single fault conditions, the charging voltage, charging current of the battery no exceed the maximum specified charging voltage and maximum specified charging current.	WALTER WAS
M.4.2.1	Requirements	Mury Mur Mr. Mr.	N/A
M.4.2.2	Compliance	(See appended table M.4.2)	Р
M.4.3	Fire enclosure	V-0 fire enclosure used	Р
M.4.4	Drop test of equipment containing a secondary lithium battery	LIER WHITER WHITER WHITER	WILL B.
M.4.4.2	Preparation and procedure for the drop test	at the little	TEX P
M.4.4.3	Drop, Voltage on reference and dropped batteries (V); voltage difference during 24 h period (%)::	The voltage difference not exceed 5%.	P
M.4.4.4	Check of the charge/discharge function	Three complete discharge and charge cycles under normal operating conditions.	WP MITEL
M.4.4.5	Charge / discharge cycle test	No fire, explosion and any electrolyte leakage	P
M.4.4.6	Compliance	the write mer mer of	Р
M.5	Risk of burn due to short-circuit during carrying	g at the late of	P
M.5.1	Requirement	No bare conductive terminal used	P
M.5.2	Test method and compliance	INITE WALTE WALL WALL	N/A
M.6	Safeguards against short-circuits	a at let let	Р
M.6.1	External and internal faults	HITE WALL WALL WALL	N/A
M.6.2	Compliance	The battery complied with IEC 62133-2 which considered the internal fault tests. No such explosion or fire likely to result from short circuits.	THE PARTY
M.7	Risk of explosion from lead acid and NiCd batteries		N/A
M.7.1	Ventilation preventing explosive gas concentration	No such battery used	N/A
The MULL	Calculated hydrogen generation rate:	TEX STEE WITE WALTER	N/A
M.7.2	Test method and compliance	24 X	N/A
ant.	Minimum air flow rate, Q (m³/h)	EX NUTER WILL WALL THE	N/A
M.7.3	Ventilation tests	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
M.7.3.1	General	ALTE BLIE WALL WALL	N/A



Reference No.: WTF23D09199829Y Page 33 of 67

	EN IEC 62368-	2, 40, 72, 2	
Clause	Requirement – Test	Result – Remark	Verdict
M.7.3.2	Ventilation test – alternative 1	The contract of the sail	N/A
IVI. 7 . 3 . Z		AP 18 38 38	
M.7.3.3	Hydrogen gas concentration (%) Ventilation test – alternative 2	The Comment of the Angel	N/A N/A
IVI.1.3.3	the transfer of the transfer o	A TO STATE	- J
M 7 2 4	Obtained hydrogen generation rate	ing my my	N/A
M.7.3.4	Ventilation test – alternative 3	the tit the title	N/A
M 7 4	Hydrogen gas concentration (%)	in my m	N/A
M.7.4	Marking		N/A
M.8	Protection against internal ignition from extern with aqueous electrolyte	al spark sources of batteries	N/A
M.8.1	General	mitter mite mail water	N/A
M.8.2	Test method	The second second	N/A
M.8.2.1	General	life, while while while	N/A
M.8.2.2	Estimation of hypothetical volume V_Z (m³/s):	at at at let	JEN -
M.8.2.3	Correction factors:	MULL MULL MULL MI	7,,
M.8.2.4	Calculation of distance d (mm):	the left of the	
M.9	Preventing electrolyte spillage	were mer me me	N/A
M.9.1	Protection from electrolyte spillage	ALL STEE STEE	N/A
M.9.2	Tray for preventing electrolyte spillage	1 1, 1, 1,	N/A
M.10	Instructions to prevent reasonably foreseeable misuse	TE WHITE WHITE WHITE	N/A
LIER	Instructional safeguard	t let let let si	N/A
N	ELECTROCHEMICAL POTENTIALS	The sur sur su	N/A
OLIFER OF	Material(s) used:	LEK TEK STEK STE	10 TE
0	MEASUREMENT OF CREEPAGE DISTANCES A	ND CLEARANCES	N/A
ILE WIL	Value of X (mm):	TEX STEP STEE STEE	10/276-0
P	SAFEGUARDS AGAINST CONDUCTIVE OBJEC	TS "	Р
P.1	General	See below	Р
P.2	Safeguards against entry or consequences of e	entry of a foreign object	↓ P _e
P.2.1	General	- LIEF WILL WILL MILE	υP
P.2.2	Safeguards against entry of a foreign object	20, 20, 20	Р
ives an	Location and Dimensions (mm)	No opening.	mr.
P.2.3	Safeguards against the consequences of entry of a foreign object	Tex stex stex wifex	N/A
P.2.3.1	Safeguard requirements	71/1 /11/1	N/A
MULL	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment	White white white on	N/A



Reference No.: WTF23D09199829Y Page 34 of 67

EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
VIII.	Transportable equipment with metalized plastic parts	the fit the st	N/A	
P.2.3.2	Consequence of entry test:	They are the	N/A	
P.3	Safeguards against spillage of internal liquids	LEK TEK LIEK NITER	N/A	
P.3.1	General	No such liquids.	N/A	
P.3.2	Determination of spillage consequences	CEX LIEX SLIEN MITER OF	N/A	
P.3.3	Spillage safeguards	, W, A, 2, 2, 7	N/A	
P.3.4	Compliance	t liet outer miles on	N/A	
P.4	Metallized coatings and adhesives securing pa	rts	N/A	
P.4.1	General	No such construction.	N/A	
P.4.2	Tests	The state of	N/A	
711	Conditioning, T _C (°C)	LIFE WALTE WALTE WALL	11.5	
y The	Duration (weeks)	s at at at	16th -	
Q d	CIRCUITS INTENDED FOR INTERCONNECTION	WITH BUILDING WIRING	N/A	
Q.1	Limited power sources	See appended table Annex Q.1	N/A	
Q.1.1	Requirements	The set	N/A	
in an	a) Inherently limited output	The sunting sunting	N/A	
CEL CIE	b) Impedance limited output	The state of	N/A	
211	c) Regulating network limited output	The west was any a	N/A	
LITTER	d) Overcurrent protective device limited output	+ pt ret ret s	N/A	
24	e) IC current limiter complying with G.9	The Aut Me In	N/A	
Q.1.2	Test method and compliance	See below	N/A	
10 T	Current rating of overcurrent protective device (A)	See appended table Annex Q.1	N/A	
Q.2	Test for external circuits – paired conductor cable	No such circuit for connection to the EUT	N/A	
AUT.	Maximum output current (A):	IER WILL MALL M	N/A	
, Clife	Current limiting method	a to the state of	# 3 6	
R	LIMITED SHORT CIRCUIT TEST	THE WALL WALL WALL WALL	N/A	
R.1	General	No such consideration.	N/A	
R.2	Test setup	MUTTE MUTT MUTT MUTT	N/A	
7EX 215	Overcurrent protective device for test:	at let let let	STEK-	
R.3	Test method	ric mer, mer, mer	N/A	
LIE	Cord/cable used for test	at let let let let	56 m	
R.4	Compliance	MULL MULL AND AND	N/A	



Reference No.: WTF23D09199829Y Page 35 of 67

EN IEC 62368-1				
Clause	Requirement – Test	The Marie and the	Result – Remark	Verdict

S	TESTS FOR RESISTANCE TO HEAT AND FIRE	N/A
S.1	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W	N/A
Tile W	Samples, material:	10 LL _ 1
A- 1	Wall thickness (mm)	-t-
J. J. W.	Conditioning (°C)	9/2
MALTER	Test flame according to IEC 60695-11-5 with conditions as set out	N/A
*	- Material not consumed completely	N/A
Willy a	- Material extinguishes within 30s	N/A
J.	- No burning of layer or wrapping tissue	N/A
S.2	Flammability test for fire enclosure and fire barrier integrity	N/A
y	Samples, material	et - 4
are	Wall thickness (mm)	100
LEX.	Conditioning (°C)	- <u> </u>
S.3	Flammability test for the bottom of a fire enclosure	N/A
S.3.1	Mounting of samples	N/A
S.3.2	Test method and compliance	N/A
EK OU	Mounting of samples:	را ر (– ر از
42,	Wall thickness (mm)	
S.4	Flammability classification of materials	N/A
S.5	Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W	N/A
et .	Samples, material	CENT.
10	Wall thickness (mm)	112 -01
Et JE	Conditioning (°C)	5 EF - 5 1
T "	MECHANICAL STRENGTH TESTS	N/A
T.1 (18)	General	N/A
T.2	Steady force test, 10 N:	N/A
T.3	Steady force test, 30 N:	N/A
T.4	Steady force test, 100 N:	N/A
T.5	Steady force test, 250 N:	N/A
T.6	Enclosure impact test	N/A
WALTE	Fall test	N/A
d	Swing test	N/A
T.7	Drop test:	N/A



Reference No.: WTF23D09199829Y Page 36 of 67

	EN IEC 62368-	2, 41, 42, 2	S
Clause	Requirement – Test	Result – Remark	Verdict
T.8	Stress relief test:	The true of the	N/A
T.9	Glass Impact Test:	No such glass	N/A
T.10	Glass fragmentation test	all the set set	N/A
The Chief	Number of particles counted:	No such glass	N/A
T.11	Test for telescoping or rod antennas	at the fifth of the	N/A
- JEK	Torque value (Nm):	No such antennas provided within the equipment.	N/A
Orles .	MECHANICAL STRENGTH OF CATHODE RAY T PROTECTION AGAINST THE EFFECTS OF IMPL		N/A
U.1 🦪	General	alies while while while	N/A
LIEK MILI	Instructional safeguard:	No CRT provided within the equipment.	N/A
U.2	Test method and compliance for non-intrinsical	y protected CRTs	N/A
U.3	Protective screen	TEX LITER RETER ARTIFICAL	N/A
V	DETERMINATION OF ACCESSIBLE PARTS	711 711 71	N/A
V.1	Accessible parts of equipment	LITER NITER WALTER WAL	N/A
V.1.1	General		N/A
V.1.2	Surfaces and openings tested with jointed test probes	The many many	N/A
V.1.3	Openings tested with straight unjointed test probes	The life of the solite of	N/A
V.1.4	Plugs, jacks, connectors tested with blunt probe	M. 20.	N/A
V.1.5	Slot openings tested with wedge probe	* SLIER WIFE MITE AND	N/A
V.1.6	Terminals tested with rigid test wire	n n	N/A
V.2	Accessible part criterion	CLIER WILL WALL WALL	N/A
X et mei	ALTERNATIVE METHOD FOR DETERMINING CLEARANCES FOR INSULATION IN CIRCUITS CONNECTED TO AN AC MAINS NOT EXCEEDING 420 V PEAK (300 V RMS)		N/A
EX OLITE	Clearance	CH THE THE STEEL	N/A
Υ	CONSTRUCTION REQUIREMENTS FOR OUTDO	OR ENCLOSURES	N/A
Y.1	General	Indoor equipment	N/A
Y.2	Resistance to UV radiation	Mur Mr. An. An.	N/A
Y.3	Resistance to corrosion	TEX LIEX NUTER WITE	N/A
Y.3	Resistance to corrosion	Mr. M. M.	N/A
Y.3.1	Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by	LIER WALTER WALTER	N/A
Y.3.2	Test apparatus	et tet tet tet tet	N/A
Y.3.3	Water – saturated sulphur dioxide atmosphere	Mr. Mr. M. M.	N/A
Y.3.4	Test procedure:	THE THE STATE OF	N/A



Reference No.: WTF23D09199829Y Page 37 of 67

EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
"alex	All the state of t	TER STEE WITH WALL	who was
Y.3.5	Compliance	70, 7	N/A
Y.4	Gaskets	CLIER WILL WILL	N/A
Y.4.1	General	711 T	N/A
Y.4.2	Gasket tests	RITE WITE WALL OF	N/A
Y.4.3	Tensile strength and elongation tests	a state of	N/A
7/1	Alternative test methods:	THE WALL WALL MA	N/A
Y.4.4	Compression test	L A A A	N/A
Y.4.5	Oil resistance	MULL MULL MULL	N/A
Y.4.6	Securing means	at at the	N/A
Y.5	Protection of equipment within an outdoor encl	osure	N/A
Y.5.1	General	et let let.	N/A
Y.5.2	Protection from moisture	her me me in	N/A
MILIE	Relevant tests of IEC 60529 or Y.5.3:	EX TEX STEX SUS	N/A
Y.5.3	Water spray test	The The La	N/A
Y.5.4	Protection from plants and vermin	F TEL TEL STEE	N/A
Y.5.5	Protection from excessive dust	211 211	N/A
Y.5.5.1	General	LEE MITE	N/A
Y.5.5.2	IP5X equipment		N/A
Y.5.5.3	IP6X equipment	IF OUT WILL WA	N/A
Y.6	Mechanical strength of enclosures	20 1	N/A
Y.6.1	General	THE WALTER WALTER	N/A
Y.6.2	Impact test:	- L .	N/A



Reference No.: WTF23D09199829Y Page 38 of 67

J.	100	211, 22,	THE MILTER WHITE W	in an	
	Clause	Requirement – Test	itt mit mi m	Result – Remark	Verdict

ATTACHMENT TO TEST REPORT

IEC 62368-1

EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

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

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

Attachment Form No.....: EU_GD_IEC62368_1E

Attachment Originator....: UL(Demko)

Master Attachment...... 2021-02-04

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in aller	CENELEC COMMON MODIFICATIONS (EN)	The MULL MULL MULL MU	Р
WALTER W	Clause numbers in the cells that are shaded light g IEC 62368-1:2020+A11:2020. All other clause num those in the paragraph below, refers to IEC 62368-Clauses, subclauses, notes, tables, figures and and those in IEC 62368-1:2018 are prefixed "Z".	nbers in that column, except for 1:2018.	P. Wint
NET JUNE	Add the following annexes: Annex ZA (normative)Normative references to interr corresponding European publications	national publications with their	P
	Annex ZB (normative)Special national conditions Annex ZC (informative)A-deviations Annex ZD (informative)IEC and CENELEC code des	signations for flexible cords	
1	Modification to Clause 3.		N/A
3.3.19	Sound exposure Replace 3.3.19 of IEC 62368-1 with the following definitions:		N/A
3.3.19.1	momentary exposure level, MEL metric for estimating 1 s sound exposure level from the HD 483-1 S2 test signal applied to both channels, based on EN 50332-1:2013, 4.2. Note 1 to entry: MEL is measured as A-weighted levels in dB. Note 2 to entry: See B.3 of EN 50332-3:2017 for additional information.	Not such equipment	N/A
3.3.19.3	sound exposure, E A-weighted sound pressure (p) squared and integrated over a stated period of time, T Note 1 to entry: The SI unit is Pa² s. T $E = \int_{0}^{T} p(t)^{2} dt$	onlie while	N/A



Reference No.: WTF23D09199829Y Page 39 of 67

EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
"Mer		The State of the	The Mr.
3.3.19.4	sound exposure level, SEL logarithmic measure of sound exposure relative to a reference value, E_0 , typically the 1 kHz threshold of hearing in humans. Note 1 to entry: SEL is measured as A-weighted levels in dB. $SEL = 10 \lg \left(\frac{E}{E_0}\right) \text{dB}$ Note 2 to entry: See B.4 of EN 50332-3:2017 for additional information.	JUNITER WHITER W	N/A
3.3.19.5	digital signal level relative to full scale, dBFS levels reported in dBFS are always r.m.s. Full scale level, 0 dBFS, is the level of a dc-free 997-Hz sine wave whose undithered positive peak value is positive digital full scale, leaving the code corresponding to negative digital full scale unused Note 1 to entry: It is invalid to use dBFS for non-r.m.s. levels. Because the definition of full scale is based on a sine wave, the level of signals with a crest factor lower than that of a sine wave may exceed 0 dBFS. In particular, square wave signals may reach +3,01 dBFS.	TEX WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER	N/A
2	Modification to Clause 10		N/A
10.6	Safeguards against acoustic energy sources Replace 10.6 of IEC 62368-1 with the following:	TE WALTE WILLIAM TO	N/A
10.6.1.1	Introduction Safeguard requirements for protection against long-term exposure to excessive sound pressure levels from personal music players closely coupled to the ear are specified below. Requirements for	Not such equipment	N/A

around the ears; and

has a player that can be body worn (of a size suitable to be carried in a clothing pocket) and is intended for the user to walk around with while in continuous use (for example, on a street, in a subway, at an airport, etc.).

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

Personal music players shall comply with the

earphones and headphones intended for use with

- is designed to allow the user to listen to audio or

- uses a listening device, such as headphones or

personal music players are also covered. A personal music player is a portable equipment intended for use by an **ordinary person**, that:

audiovisual content / material; and

earphones that can be worn in or on or

requirements of either 10.6.2 or 10.6.3.

vhile in
n a
s, mobile
pment.



Reference No.: WTF23D09199829Y Page 40 of 67

-20,	EN IEC 62368-1	is the me also	24, 4,
Clause	Requirement – Test	Result – Remark	Verdict
apr.	NOTE 1 Protection against acquistic approxy sources from	A STEEL WALL SAFE	The The
	NOTE 1 Protection against acoustic energy sources from telecom applications is referenced to ITU-T P.360.	a st at	LET LET
	NOTE 2 It is the intention of the Committee to allow the	OLIER MALTE MALTE	ant, and
	alternative methods for now, but to only use the dose	20, 20, 1	it lit
	measurement method as given in 10.6.5 in future. Therefore, manufacturers are encouraged to implement 10.6.5 as soon as	TEX LIER OLIER OF	Liter WALL ON
	possible.	See Alle Mr. Mr. Mr.	
	Listening devices sold separately shall comply	at at alt of	er cier ni
	with the requirements of 10.6.6.	are were were	20,
	These requirements are valid for music or video	a state	- 18 18 18 18 18 18 18 18 18 18 18 18 18
	mode only. The requirements do not apply to:	LIFE MITE MILL	Mur. Mur
	– professional equipment;	21/2 24, 24	4
	3 mr mr mr m	LET TEX TEX	CLIEB MITE
	NOTE 3Professional equipment is equipment sold through special sales channels. All products sold through normal	ner mer me 1	n - 2
	electronics stores are considered not to be professional	at at at	TEN TEN
	equipment.	LIER WILL WILL WA	211, 211
	– hearing aid equipment and other devices for	20. 1	+ 1 + 1
	assistive listening;	EX LIET SLIFE SLIFE	MALL WILL
	- the following type of analogue personal music	The This This	
	players: • long distance radio receiver (for example, a	. Let tet tet	LIER WITE
	multiband radio receiver or world band radio	White Will Will	41, 41,
	receiver, an AM radio receiver), and	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LET LEX
	cassette player/recorder;	WILL W	Vr. 12 12 1
	NOTE 4 This exemption has been allowed because this		1 1
	technology is falling out of use and it is expected that within a	ar ar ar ar	in white and
	few years it will no longer exist. This exemption will not be extended to other technologies.	, mer mer m	
	The The Way May All All All All All All All All All Al	L st set set	- JE - JE
	 a player while connected to an external amplifier that does not allow the user to walk around while 	WILL WILL WILL	11/2 11/2
	in use.	1 1 x	LET LET
	And the take	LIER SLIER WILL	MULL MULL
	For equipment that is clearly designed or intended	m. m. m.	a de
	primarily for use by children, the limits of the relevant toy standards may apply.	Let tet tet	LIER ULIE NI
	Total to y diamardo may appry.	in me me m	20 20
	The relevant requirements are given in	e of the state of	Et JET J
	EN 71-1:2011, 4.20 and the related tests methods	The Wife Will Mile	an an
10.6.1.2	and measurement distances apply. Non-ionizing radiation from radio frequencies	7 × ×	N/A
10.0.1.2	in the range 0 to 300 GHz	SLIER WITE SUITE	WILL THE
	The amount of non-ionizing radiation is regulated	24, 24, 25	.4 .4
	by European Council Recommendation	TEX TEX LIER	RITE RITE
	1999/519/EC of 12 July 1999 on the limitation of	Wer Aller Alle A	
	exposure of the general public to electromagnetic fields (0 Hz to 300 GHz).	at the letter	TEN TEN
	For intentional radiators, ICNIRP guidelines should	ITE WILL WILL MY	211, 211
	be taken into account for Limiting Exposure to	70.	+ 15 1
	Time-Varying Electric, Magnetic, and	the little street outer	WALL WALL
	Electromagnetic Fields (up to 300 GHz). For hand-	211, 211, 21	
	held and body mounted devices, attention is drawn to EN 50360 and EN 50566.	A CH CH	TEN TEN



Reference No.: WTF23D09199829Y Page 41 of 67

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

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



Reference No.: WTF23D09199829Y Page 42 of 67

Clause	Requirement – Test	Result – Remark	Verdict
Will.	WI THE ST. ST. ST. SEE ST.	E STEE WITE WITE	aris arc
10.6.2.3	RS2 limits (to be superseded, see 10.6.3.3)	THE THE TEXT	N/A
	RS2 is a class 2 acoustic energy source that does not exceed the following: – for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or when the combination of player and listening device is known by other means such as	anci united antited antited	ancies an
	setting or automatic 130 detection, the LAeq, τ acoustic output shall be ≤ 100 dB(A) when playing the fixed "programme simulation noise" as described in EN 50332-1. — for equipment provided with a standardized	MULTER WHITER WHITER	NITE WILE
TEK MUTEK	connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 150 mV (analogue interface) or -10 dBFS (digital interface) when playing the fixed "programme simulation noise" as described in EN 50332-1.	JALL WHITE WHITEK WHITE JET WHITEK WHITEK	y vi itek w
10.6.2.4	RS3 limits	24. 24. 2.	N/A
	RS3 is a class 3 acoustic energy source that exceeds RS2 limits.	Whitek whitek whitek w	TILE MULTE
10.6.3	Classification of devices (new)	at the st	N/A
10.6.3.1	General Previous limits (10.6.2) created abundant false negative and false positive PMP sound level warnings. New limits, compliant with The Commission Decision of 23 June 2009, are given below.	Not such equipment	N/A
10.6.3.2	RS1 limits (new)	7115 1015 1015	N/A
	RS1 is a class 1 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the <i>L</i> Aeq, <i>τ</i> acoustic output shall be ≤ 80 dB when playing the fixed "programme simulation noise" described in EN 50332-1. — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be	untile while	AND EX WAY WALLEY WALLEY SEX WALLEY FEX
	≤ 15 mV (analogue interface) or -30 dBFS (digital interface) when playing the fixed "programme	TER WATER WALTER WALTER	an an
10.6.3.3	≤ 15 mV (analogue interface) or -30 dBFS (digital	THE WALTER WALTER WALTER	N/A

EN IEC 62368-1

not exceed the following:

– for equipment provided as a package (player



Reference No.: WTF23D09199829Y Page 43 of 67

01	EN IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
ar.	W W The State of	and the south of the	211
	with its listening device), and with a proprietary	70 7	14 14 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	connector between the player and its listening	LEK TEN TEN	Still allie
	device, or where the combination of player and	were are a	20
	listening device is known by other means such as	20	1 1th
	setting or automatic detection, the weekly sound	Let let the start it	Charles of
	exposure level, as described in EN 50332-3, shall	The state was the	20, 20,
	be ≤ 80 dB when playing the fixed "programme		t et e
	simulation noise" described in EN 50332-1.	LET THE STATE STATE	100
	- for equipment provided with a standardized	The The The	20,
	connector (for example, a 3,5 phone jack) that	1 1	11 12
	allows connection to a listening device for general	A LEK STEEL STEEL	The street
	use, the unweighted r.m.s. output level, integrated	The way was	20, 20,
	over one week, as described in EN50332-3, shall	1	J+ J+
	be ≤ 15 mV (analogue interface) or -30 dBFS	LEK TER LITER O	Little Marie
	(digital interface) when playing the fixed	With My My My	
	"programme simulation noise" described in EN		et let
10.04	50332-1.	The tree terms	21/0
10.6.4	Requirements for maximum sound exposure	, 'm, 'm, ',	N/A
10.6.4.1	Measurement methods	Not such equipment	N/A
	All volume controls shall be turned to maximum	24 24 25.	
	during tests.	1 1 1	Let Chi
	Management at all the manda independent with	LIER SLIPE WITH A	Ur. The
	Measurements shall be made in accordance with	94. 24. 25.	
10.6.4.2	EN 50332-1 or EN 50332-2 as applicable.		NI/A
10.6.4.2	Protection of persons	" " " " "	N/A
	Except as given below, protection requirements for		L et
	parts accessible to ordinary persons,	are the diffe	10 M
	instructed persons and skilled persons are	in the the	20, 20,
	given in 4.3.		.ot 20
	NOTE 1 Volume control is not considered a safeguard.	MITER WALTER WALTER	Murry Murry
	Between RS2 and an ordinary person , the basic	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	et let
	safeguard may be replaced by an instructional	THE LIFE STEP OF	The Wife.
	safeguard in accordance with Clause F.5, except	The The The Land	
	that the instructional safeguard shall be placed	1 1	Et LET
	on the equipment, or on the packaging, or in the	THE LIFE OUT WIT	19/2 201
	instruction manual.	1 21 20 20.	
	Alternatively, the instructional safeguard may be	1 1 1	- 18th S
	given through the equipment display during use.	THE STILL WITH WITH	me me
	A LET TEX STEX MIT WILL WILL	211, 21, 20,	
	The elements of the instructional safeguard		TE TE
	shall be as follows:	ALTE MILL MALL	11/2
	the the the the	24, 24, 2	1
	– element 1a: the symbol △᠀), IEC 60417-	at at alt	TER STE
	6044 (2011-01)	alite mili anti anni	1912. 1
	– element 2: "High sound pressure" or equivalent	31, 20, 21	d de
	wording	at at at	The same
		The Will Mary Mark	211 211
	element 3: "Hearing damage risk" or equivalent wording	10 20	4
	wording	1 x 1 1 1	J. J
	= element 1: "Do not listen at high volume lovels		
	element 4: "Do not listen at high volume levels for long periods " or equivalent wording."	e alite walk walk	2/15
	element 4: "Do not listen at high volume levels for long periods." or equivalent wording	MUTTE MUTT MUTT	21/2 ZI



Reference No.: WTF23D09199829Y Page 44 of 67

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



Reference No.: WTF23D09199829Y Page 45 of 67

	EN IEC 62368-1	. "11. "20. "	
Clause	Requirement – Test	Result – Remark	Verdict
ale.	W W TO THE STATE OF THE STATE O	The state of the s	11/2 211
	acknowledgement. In case the user does not acknowledge, the output level shall automatically	- A	LEK LEK
	decrease to compliance with class RS1.	THE STEE STEE	Wig. Wer.
	desired to compliance with stage (10.1)	24 24 24 2	
	The warning shall at least clearly indicate that	A ST SET S	TEK LIEB
	listening above 100 % CSD leads to the risk of	Lite with with will	2/2 2/
اد ا	hearing damage or loss.	70. 7	_ +
10.6.5.3	Exposure-based requirements	EX TEX TEX SITE	N/A
	With only dose-based requirements, cause and	The Mr. M.	
	effect could be far separated in time, defying the	at the left	JE JE
	purpose of educating users about safe listening	alite mile spir	The Me
	practice. In addition to dose-based requirements,	20, 20, 2	
	a PMP shall therefore also put a limit to the short- term sound level a user can listen at.	at at the	THE STATE
	term sound level a user can listen at.	WRITE MUTTER AND AND	- 10
	The exposure-based limiter (EL) shall		ct let
	automatically reduce the sound level not to exceed	TEL STEE SITE ONLY	ar con
	100 dB(A) or 150 mV integrated over the past 180	1115 111 111	
	s, based on methodology defined in EN 50332-3.	a at at at	·
	The EL settling time (time from starting level	in the walk walk	Mrs. Mrs.
	reduction to reaching target output) shall be 10 s	70 20	4 24
	or faster.	LET TEXT TEXT	ALTER MITT
	Test of EL functionality is conducted according to	aury were aug a	11. 20.
	EN 50332-3, using the limits from this clause. For		Let Let
	equipment provided as a package (player with its	CITE NO	7. " LT. "
	listening device), the level integrated over 180 s	2 10 20	
	shall be 100 dB or lower. For equipment provided		the state of
	with a standardized connector, the unweighted	LEN OUTE WALL WALL	The The
	level integrated over 180 s shall be no more than	70	1 1
	150 mV for an analogue interface and no more	- TEK TEK TEK	CLIE WILL
	than -10 dBFS for a digital interface.	are were we	211.
	NOTE In case the source is known not to be music (or test	- L X	LET LET
are ar	signal), the EL may be disabled.	The straining	VIII OVER
10.6.6	Requirements for listening devices (headphone	s, earphones, etc.)	N/A
0.6.6.1	Corded listening devices with analogue input	Not such equipment	N/A
	With 94 dB LAeq acoustic pressure output of the	21/2 21, 22	
	listening device, and with the volume and sound	at at at all	- J (**)
	settings in the listening device (for example, built-	THE MALL WALL	21/2 211
	in volume level control, additional sound features	20 10	. N
	like equalization, etc.) set to the combination of positions that maximize the measured acoustic	LEK TEK LITER	WILL WILL
	output, the input voltage of the listening device	Mer. Mer. M.	20,
	when playing the fixed "programme simulation	1 1	LET LET
	noise" as described in EN 50332-1 shall be ≥ 75	LIER SLIER BLICK SE	in the
	mV.	16. 24. 20. 20.	
	THE WALL WALL AND THE	at at at a	Ele Sterry
	NOTE The values of 94 dB and 75 mV correspond with 85 dB and 27 mV or 100 dB and 150 mV.	TEL WILL WILL WILL	211 211
0.6.6.2	Corded listening devices with digital input	to the set	N/A
WAL.	With any playing device playing the fixed	LIFE RUTE WITE	Mrs. This
	"programme simulation noise" described in EN	111. 111. 12.	
	50332-1, and with the volume and sound settings	at at the	THE STEE
	in the listening device (for example, built-in volume	11 11 11 11 11 11 11 11 11 11 11 11 11	10 m



Reference No.: WTF23D09199829Y Page 46 of 67

211.	EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict	
Me	and the state of	LITE MIT WILL	The Me	
unitek uni	level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the $L_{Aeq,\tau}$ acoustic output of the listening device shall be ≤ 100 dB with an input signal of - 10 dBFS.	antitek antitek antitek	antiek anirek	
10.6.6.3	Cordless listening devices		N/A	
WILLER WILLIER WILLER WILLER	In cordless mode, — with any playing and transmitting device playing the fixed programme simulation noise described in EN 50332-1; and — respecting the cordless transmission standards, where an air interface standard exists that specifies the equivalent acoustic level; and — with volume and sound settings in the receiving device (for example, built-in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output for the above mentioned programme simulation noise, the ∠Aeq, τ acoustic output of the listening device shall be ≤ 100 dB with an input signal of -10 dBFS.	MULTER WHITE WHITE	MILE WILLER MILE WILLER MILE WILLER MILE WILL MILE	
10.6.6.4	Measurement method	WITE WALL WALL	N/A	
NITEH AND	Measurements shall be made in accordance with EN 50332-2 as applicable.	At A A	LITER NITER	
3	Modification to the whole document		Р	



Reference No.: WTF23D09199829Y Page 47 of 67

AV 31"		30 1 - 31 11 11 11			
. au		EN IEC 62368-1			201
Clause	Requirement – Test	The Marie Land	Result – Remark	+ V	erdict

	NOTE Z1 The use of certain substances in electrical and electronic equipment is restricted within the EU: see Directive 2011/65/EU.						
	dd the follow	_	et	TEX SE	NUTER OUT	EX MALTE MAI	
N	lodification	to Clause 1					
الالتات			/b-	(1) AV			11156
ν. 91.	Y.4.5	Note					2),
NLTP	10.6.1	Note 3	F.3.3.6	Note 3	Y.4.1	Note	, si
an			Table 39	anu 5			-5
-	8.5.4.2.3	Note	10.2.1	Note 3 and 4 and 5	10.5.3	Note 2	ţ.
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	5.6.8	Note 2	5.7.6	Note	5.7.7.1	Note 1 and Note 2	SEX
\ \			5.7.0	N/s0,ss		and 4	10.00
E.F	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3	
WILLE	5.4.10.2.1	Note	5.4.10.2.2	Note	5.4.10.2.3	Note	10
20	Table 13						×
د د د	5.4.2.3.2.4	Note 2	5.4.2.5	Note 2	5.4.5.1	Note	6
(E	5.2.2.2	Note	5.4.2.3.2.2 Table 12	Note c	5.4.2.3.2.4	Note 1 and 3	Ç (E)
	3.3.8.3	Note 1	4.1.15	Note	4.7.3	Note 1 and 2	21/2
J.TEL	0.2.1	Note 1 and 2	1	Note 4 and 5	3.3.8.1	Note 2	N.



Reference No.: WTF23D09199829Y Page 48 of 67

Lange Committee	Mr. Mr. Mr. M. M.	EN IEC 62368-1	MULLE MULL	ang.
Clause	Requirement – Test	Result – Remark	Ver	dict

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



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Reference No.: WTF23D09199829Y Page 49 of 67

20,	EN IEC 62368-	y we are any	20, 20,
Clause	Requirement – Test	Result – Remark	Verdict
ale,	MI MY TEN ST	the with white all the	The The
	Add the following after the first paragraph: For RS 1 compliance is checked by measurement under the following conditions: In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or pre-sets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the	antiek untiek	N/A
	measurement is made. NOTE Z1 Soldered joints and paint lockings are examples of adequate locking. The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the apparatus.	JULIER WHITER WHITER WHITER	INTER MATER OF
	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. For RS1, the dose-rate shall not exceed 1 µSv/h	Whitek whitek whitek	MILITER MALITER
ser white	taking account of the background level. NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996.	THE WALL WALLE WALL	
9	Modification to G.7.1		N/A
G.7.1	Add the following note: NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in Annex ZD.	Writek Mritek Mritek	N/A
4.0	BA USU CL C BULL I		

Modification to Bibliography

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Reference No.: WTF23D09199829Y Page 50 of 67

in mil	il mil mi			
Clause	Requirement – Test	Well Aut Au au	Result – Remark	Verdict

ale		201
, et	Add the following notes for the standards indicated:	P
WILLEY WI	IEC 60130-9 NOTE Harmonized as EN 60130-9. IEC 60269-2 NOTE Harmonized as HD 60269-2. IEC 60309-1 NOTE Harmonized as EN 60309-1. IEC 60364 NOTE some parts harmonized in HD 384/HD 60364 series. IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4. IEC 60664-5 NOTE Harmonized as EN 60664-5. IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified). IEC 61508-1 NOTE Harmonized as EN 61508-1. IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1. IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4. IEC 61643-1 NOTE Harmonized as EN 61643-1. IEC 61643-31 NOTE Harmonized as EN 61643-31. IEC 61643-31 NOTE Harmonized as EN 61643-31. IEC 61643-331 NOTE Harmonized as EN 61643-331.	Whitek whitek
11	ADDITION OF ANNEXES	Р
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)	P
4.1.15 ONLITE WALLES OF THE STATE OF THE ST	Denmark, Finland, Norway and Sweden To the end of the subclause the following is added: Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet. The marking text in the applicable countries shall be as follows: In Denmark: "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til stikproppens jord." In Finland: "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan" In Norway: "Apparatet må tilkoples jordet stikkontakt" In Sweden: "Apparaten skall anslutas till jordat uttag"	N/A SEE SUBSTITUTE SUBSTITUT
4.7.3	United Kingdom To the end of the subclause the following is added: The torque test is performed using a socket-outlet complying with BS 1363, and the plug part shall be assessed to the relevant clauses of BS 1363. Also see Annex G.4.2 of this annex	N/A



Reference No.: WTF23D09199829Y Page 51 of 67

Lite Milit	Mir hay file in	EN IEC 62368-1	ITEY WITEY WHITE	North CAL	it's with
Clause	Requirement – Test	Mur. M. M.	Result – Remark	at A	Verdict

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



Reference No.: WTF23D09199829Y Page 52 of 67

20,	EN IEC 62368-1	in the way and	20, 20,
Clause	Requirement – Test	Result – Remark	Verdic
Me	an an a contraction of	all with the	The all
	testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;	THE STEEL STEEL	NITEK MALTER
	 the additional testing shall be performed on all the test specimens as described in EN 60384- 14; 	WILER MULTER ANTIER AND	TEX WITEX
EK WALTER	the impulse test of 2,5 kV is to be performed before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14.	ex writer writer write	whi the wh
5.5.2.1	Norway	TEX TEX LIER	N/A
	After the 3rd paragraph the following is added:	Mur Aur Aur	CH TEX
ing in	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	MILLER WALTER WALTER WA	er ler
5.5.6	Finland, Norway and Sweden	No such resistors.	N/A
	To the end of the subclause the following is added:	ex street market suntrest	White whi
	Resistors used as basic safeguard or bridging basic insulation in class I pluggable equipment type A shall comply with G.10.1 and the test of G.10.2.	Whitek Muriek Muriek	MITER WALTE
5.6.1	Denmark	No such equipment.	N/A
	Add to the end of the subclause Due to many existing installations where the socket-outlets can be protected with fuses with higher rating than the rating of the socket-outlets the protection for pluggable equipment type A shall be an integral part of the equipment. Justification:	Whitek whitek whitek	untile unti
	In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	UNLIEK WILLER WILLER W	ALTE MALI
5.6.4.2.1	Ireland and United Kingdom	A A A A	N/A
	After the indent for pluggable equipment type A , the following is added:	THE MALL MALL WAY	- 711 - 71
	 the protective current rating is taken to be 13 this being the largest rating of fuse used in the mains plug. 	MALIE WALTE WALTE	MUE MU
5.6.4.2.1	France	TEN JET WITE	N/A
	After the indent for pluggable equipment type A , the following is added: — in certain cases, the protective current rating of the circuit supplied from the mains is taken as 20 A instead of 16 A.	wite white white wa	iek miek.
5.6.5.1	To the second paragraph the following is added:	THE WITE WALL WALL	N/A
MULTER	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.	A MULTER WATER WATER	Write Auri



Reference No.: WTF23D09199829Y Page 53 of 67

The Maria	Mr. Mar Alle	EN IEC 62368-1	TIER WITER WITER	The Marie Maria
Clause	Requirement – Test	Trie Muris Mus M.	Result – Remark	Verdict

2/1		The same sales sales	1/2.
5.6.8	Norway	T. 1	P-
	To the end of the subclause the following is added:	MILER WHITE WHITE WHITE	Whi.
itek _{wa} i	Equipment connected with an earthed mains plug is classified as class I equipment . See the Norway marking requirement in 4.1.15. The symbol IEC 60417-6092, as specified in F.3.6.2, is accepted.	street whitest whitest whitest w	PLIEK O
5.7.6	Denmark - At 18th 18th 18th 18th 18th	Mr. M. M.	Р
Whitek wh	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.	Whitek whitek whitek whitek	MALTEK MALTEK
5.7.6.2	Denmark	TELL STEEL STEEL STATES ON	P
	To the end of the subclause the following is added: The warning (marking safeguard) for high touch current is required if the touch current or the protective current exceed the limits of 3,5 mA.	MULTER WHITER WHITER WHITE	ey ynli
5.7.7.1	Norway and Sweden	Not such system.	N/A
5.7.7.1	To the end of the subclause the following is added: The screen of the television distribution system is normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building. Therefore the protective earthing of the building installation needs to be isolated from the screen of a cable distribution system. It is however accepted to provide the insulation external to the equipment by an adapter or an interconnection cable with galvanic isolator, which may be provided by a retailer, for example.	E WHITE WHIT	ALTER ON THE OWNER OF THE OWNER OWNER OF THE OWNER OWNE
	The user manual shall then have the following or similar information in Norwegian and Swedish language respectively, depending on in what country the equipment is intended to be used in:	anter uniter writer whi	et uni
	"Apparatus connected to the protective earthing of	WALTER WALTER WALTER WALTER	Miles
	the building installation through the mains connection or through other apparatus with a connection to protective earthing –	WILE MUTER MUTER MUTER	INLIEK.
	and to a television distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a television distribution system therefore has to be provided	SEK WALTER WALTER WA	TEK WI
	through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11)"	TEX TEX STEX	NALIEK NALIEK
			200



Reference No.: WTF23D09199829Y Page 54 of 67

20,	EN IEC 62368-1	in the war and a	h 40.
Clause	Requirement – Test	Result – Remark	Verdict
ale -	M. M. C. LET J.	LITE OUT OF AND	10
nutiek an	in Sweden, a galvanic isolator shall provide electrical insulation below 5 MHz. The insulation shall withstand a dielectric strength of 1,5 kV r.m.s., 50 Hz or 60 Hz, for 1 min.	NUTER WITER WATER WHITE	WINLTER .
	Translation to Norwegian (the Swedish text will also be accepted in Norway):	stret inter whitet whitet	MALTEK WI
	"Apparater som er koplet til beskyttelsesjord via nettplugg og/eller via annet jordtilkoplet utstyr – og er tilkoplet et koaksialbasert kabel-TV nett, kan forårsake brannfare. For å unngå dette skal det ved tilkopling av apparater til kabel-TV nett installeres en galvanisk isolator mellom apparatet og kabel-TV nettet."	EX WHITEX WHITEX WHITEX WHI	E WAITER
ner ware rek waire wairek	Translation to Swedish: "Apparater som är kopplad till skyddsjord via jordat vägguttag och/eller via annan utrustning och samtidigt är kopplad till kabel-TV nät kan i vissa fall medföra risk för brand. För att undvika detta skall vid anslutning av apparaten till kabel-TV nät galvanisk isolator finnas mellan apparaten och kabel-TV nätet."	INTER WALTER WALTER WALTER	n itek un gritek un
3.5.4.2.3	United Kingdom	No external circuits.	N/A
	Add the following after the 2 nd dash bullet in 3 rd paragraph: An emergency stop system complying with the requirements of IEC 60204-1 and ISO 13850 is required where there is a risk of personal injury.	THE MILIER WALTER	NATES OF
B.3.1 and	Ireland and United Kingdom	Not directly connected to the	N/A
B.4 Neit on the control of the contr	The following is applicable: To protect against excessive currents and short-circuits in the primary circuit of direct plug-in equipment , tests according to Annexes B.3.1 and B.4 shall be conducted using an external miniature circuit breaker complying with EN 60898-1, Type B, rated 32A. If the equipment does not pass these tests, suitable protective devices shall be included as an integral part of the direct plug-in equipment , until the requirements of Annexes B.3.1 and B.4 are met	mains The supplies white the supplies where the sup	SUPLIER WALTER
G.4.2	Denmark	Not directly connected to the	N/A
	To the end of the subclause the following is added: Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011.	mains	MITER WAS
unitek m	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	TEX STEX STEX SOLE	* WILLER



Reference No.: WTF23D09199829Y Page 55 of 67

	EN IEC 62368-1	20. 20. 2	
Clause	Requirement – Test	Result – Remark	Verdict
alle	all all the off	it with all and and	24
	rules shall be provided with a plug in accordance	20, 20,	ال ا
	with standard sheet DK 2-1a or DK 2-5a.	THE THE LITTER SLITE	10/17
	If a single-phase equipment having a RATED	me me me in	20.
	CURRENT exceeding 13 A or if a polyphase	I state that	TEN
	equipment is provided with a supply cord with a	LIER RETE WILL WHILE	54 T
	plug, this plug shall be in accordance with the	111 20	
	standard sheets DK 6-1a in DS 60884-2-D1 or EN	at let let the	J
	60309-2.	MULL MULL MULL MI	. 70.
	Maine applied sublate intended for manyiding power		e
	Mains socket outlets intended for providing power to Class II apparatus with a rated current of 2,5 A	t tier with out and	The same
	shall be in accordance DS 60884-2-D1:2011	The My My	1
	standard sheet DKA 1-4a.	A EX TEX TEX	TO THE
	The state of the s	WILL MUT MUT MUT	511.
	Other current rating socket outlets shall be in		15
	compliance with Standard Sheet DKA 1-3a	THE STEE STEEL OUTE .	10° 0
	or DKA 1-1c.	Mr. Mr. M. 1	
	Mains socket-outlets with earth shall be in	+ at at at	5 EX 20
	compliance with DS 60884-2-D1:2011	the outer with the	20
	Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-	70, 7	ال ا
	5a or DK 1-7a	· TEX TEX STEED STEED	MELLI
	The second of th	Wer The The Man	- N
	Justification:	EX TEX	TEX.
ve. av.	Heavy Current Regulations, Section 6c	The state of the s	4/2
G.4.2	United Kingdom	Not directly connected to the	N/A
	To the end of the subclause the following is	mains	CILL OF
	added:	The Mr. M. To	
		A SH SH S	5 J
	The plug part of direct plug-in equipment shall be	NITE MITE WALL WAL	" alle
	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,	711, 72,	٠,
	except that the test of 12.17 is performed at not	LEK TEK TEK TEK	WITE
	less than 125 °C. Where the metal earth pin is	WELL MAY AND MINE	-22,
	replaced by an Insulated Shutter Opening Device	1 1	1EX
	(ISOD), the requirements of clauses 22.2 and 23	THE STEE OUT WITH	4
- 1	also apply.	1. 11. 11. 12.	.4-
G.7.1	United Kingdom	at tex tex tex text	N/A
	To the first paragraph the following is added:	Mer Mer Mr. M.	
	Equipment which is fitted with a flexible cable or	at let set is	EN TE
	cord and is designed to be connected to a mains	WILL MAIL MAIL MAIL	21/2
	socket conforming to BS 1363 by means of that	200	1
	flexible cable or cord shall be fitted with a	THE THE LIFE WITE	The state of
		were the sure of	
	'standard plug' in accordance with the Plugs and	(1)	
	Sockets etc. (Safety) Regulations 1994, Statutory	t at at	TEX
	Sockets etc. (Safety) Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted by	TEX STEX WIFE WITER	Natex on
	Sockets etc. (Safety) Regulations 1994, Statutory	TEX MULTER MULTER WALTER	N. TEX W
	Sockets etc. (Safety) Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted by	TEX MULTER WHITER WHITER W	n ^{iter} wi



Reference No.: WTF23D09199829Y Page 56 of 67

Lang Maria	My My All	EN IEC 62368-1	TEX WALLEY WALLEY	STIFE MUST AUGUS
Clause	Requirement – Test	Net Mer M. M.	Result – Remark	Verdict

G.7.1	Ireland	711 12	N/A
G.7.1 WILLEY WAS	To the first paragraph the following is added: Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in accordance with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use Regulations: 1997. S.I. 525 provides for the recognition of a standard of another Member State which is equivalent to the relevant Irish Standard	Whilek whilek whilek whilek whilek whi	IN/A SURVERY SELTERY SURVERY S
G.7.2	Ireland and United Kingdom To the first paragraph the following is added: A power supply cord with a conductor of 1,25 mm² is allowed for equipment which is rated over 10 A and up to and including 13 A.	White white white white	N/A
ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)		
10.5.2	Germany The following requirement applies: For the operation of any cathode ray tube intended for the display of visual images operating at an acceleration voltage exceeding 40 kV, authorization is required, or application of type approval (Bauartzulassung) and marking. Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM.	No CRT within the equipment.	N/A MILITER MINITER
MULLER M	NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-38116 Braunschweig, Tel.: Int+49-531-592-6320, Internet: http://www.ptb.de	MILER WALTER WALTER WALTER	unlite TEX



Reference No.: WTF23D09199829Y Page 57 of 67

The same	All a street and a street	EN IEC 62368-1	IER WILLE MULLEY MY	right Mary
Clause	Requirement – Test	Mr. M. M.	Result – Remark	Verdict

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



Reference No.: WTF23D09199829Y Page 58 of 67

Ġ	The All All All	EN IEC 62368-1	TER WITE WALLE W	in an	. du
	Clause Requirement – Test	Mur. Mr. m.	Result – Remark	et d	Verdict

5.2	TABLE: Classification	on of electrical er	nergy sourc	es		L 1	N/A
Supply	Location (e.g.	` •		Parameters			
Voltage circuit designation)			U (V)	I (mA)	Type ¹⁾	Additional Info ²⁾	Class
designed to	The EUT is	Normal	<60Vdc	70	SS	DC	ES1
	designed to be supplied by Type -C port	Abnormal	Sept.	LIER WILLEY	17- L	Vr. 200	Mer
		Single fault – SC/OC	10 - 10 10 10 10 10 10 10 10 10 10 10 10 10	at State of	LIEK-	EX - TEX	MALTEK
4.20Vdc	The EUT is	Normal	<60Vdc	1115 111	SS	DC	ES1
su In	designed to be supplied by	Abnormal	CENT CENT	alie ali	- IT-LITE	White M	177. 14
	Internal Li-ion battery cells	Single fault –	-7/1-2 -7/1-2	701 - 764	CIEN.	NITE MI	E'H NA

Supplementary information:

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

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

SC= short circuit; OC= open circuit

5.4.1.8 TABLE	: Working voltage measu	rement		N/A
Location	RMS voltage (V)	Peak voltage (V)	Frequency (Hz)	Comments
- Intile water w	un an an-	4 2 # 2	et the	LIET OLIER WHILE
x x+	TEK ITE SITEK MINI	" mi me	21/2 20	
Supplementary infor	mation:			
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	t tet tet mile	MULL MULL	m. m	The state of

5.4.1.10.2 TABLE: Vicat softening temperature of thermoplastics				
Method		.: ISO 306 / B50	niter ant —	
Object/ Part No./Material	Manufacturer/trademark	Thickness (mm)	T softening (°C)	
-win mi me m	7" -t 1t	CER CIENT STEED OF	LIE WHIT - WHEN	
Supplementary information:				
ary are are an	The state of	- LIER LIFER MI	MULL WAY AN	

5.4.1.10.3	TABLE: Ball	pressure test of thermopla	stics	(et	LIEK SLIEK M	7E. 11	N/A
Allowed imp	oression diame	eter (mm)	:	≤ 2 m	m		_
Object/Part	No./Material	Manufacturer/trademark	Thickness	s (mm)	Test temperature (°C)	Imp diam	ression eter (mm)

EN IEC 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict		
- L	M. M. S. TEX TEX STEEL AND	TER TER TER THE WALL WALL	mr mr		
Suppleme	entary information:		_/()/()		

5.4.2, 5.4.3 TABLE: Minimum Clearances/Creepage distance							N/A	
Clearance (cl) and creepage distance (cr) at/of/between:	U _p (V)	U _{rms} (V)	Freq ¹⁾ (kHz)	Required cl (mm)	cl (mm)	E.S. ²⁾ (V)	Required cr (mm)	cr (mm)
INLIE WALL WALL WALL	4/1	20	1	-z+	KIL.	56t	EK TILLE	Mrite.

Supplementary information:

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

5.4.4.2	TABLE: Minimum	distance through insul	lation	MULT WILL	N/A
Distance th (DTI) at/of	rough insulation	Peak voltage (V)	Insulation*	Required DTI (mm)	Measured DTI (mm)
	SER SER SE	WILL WILL MAN	141 - 251		et - et
Supplemen	tary information:				
*See also s	ub-clause 5.4.4.9	A JUNE OF			et let i

5.4.4.9 TABLE: Solid insulation at frequencies >30 kHz							
Insulation material	E P	Frequency (kHz)	K _R	Thickness d (mm)	Insulation	V _{PW} (Vpk)	
WILL MULL AND AND	- Mr.	- 4	# 11	-TEK TE	- NITER OF	CE MALTE	
Supplementary information:							
WILL WILL WALL MAN	24	, ,,,,,,,,		CENT SEPT	JEE RE	and a	

5.4.9 TABLE: Electric st	rength tests	TEN STEN ST	N/A
Test voltage applied between:	Voltage shape (Surge, Impulse, AC, DC, etc.)	Test voltage (V)	Breakdown Yes / No
Functional:	Will My Mr M. M.		LEF LEF
-aug and any and	A TEN ITEN STIER INTE	- write white	Vr. 170, 1
Basic/supplementary:	WALLE WALL WALL THE WALL		CEL STEP N
Tr. M. M.	of the telescopies with	Write Mure And	2115
Reinforced:	the me the the	A 15 16	t set sie
- 44	the state of the patrice application of	TI ME MUT	~11 ~11.
Routine Tests:	Mr. M. M. A.	at at at	LIFE SLIER
N' - X A	TEK NITE INITE WALLE WAS	- no m	21, 7,
Supplementary information:			



Reference No.: WTF23D09199829Y Page 60 of 67

Later Mary	Mr. Mr. Mr. Mr.	EN IEC 62368-1	Vice Maria
Clause	Requirement – Test	Result – Remark	Verdict

5.5.2.2	TABLE	: Stored discharge of				
Location		Supply voltage (V)	Operating and fault condition 1)	Switch position	Measured voltage (Vpk)	ES Class
7115.	211.		Normal	TER STATE S	neil mer.	21/2 -21/2
WALTER V	Neigh an	TER WHITE WHITE	Single fault: SC/ OC	* _UFE* _K	EF WITEK	LIEKLIE
Suppleme	ntary infori	mation:	,			
	v	I for testing are:	* **	10 .19	الله المالية	and a

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

5.6.6 TABLE	: Resistance of protective con	nductors and termin	ations	N/A
Location	Test curren (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)
70.	د الله الإماراك ب	LT JOHN -JOHN	2/2 2/1 2/	
Supplementary infor	nation:			
, , , ,	Est It Inti	, m	1 1 1 2 m	

5.7.4	TABLE	: Unearthed acces	ssible parts	With White	un and a	12 20	N/A
Location		Operating and	Supply	F	Parameters		ES class
		fault conditions	Voltage (V)	Voltage (V _{rms} or V _{pk})	Current (A _{rms} or A _{pk})	Freq. (Hz)	
L/N to secondary terminals		Normal	J# .4	- JEE STE	INLIE NALTE	Mr. L	211 - 21
		Abnormal: overload	Mury - Mur	The Tex	LIER SLIER	NLTEX. N	LIEY WALT
		Single fault: SC/ OC	LIER JOLEN	ani -in	ur <u>u</u> u	JEK Z	EK OLIEK
Supplementa	ary info	rmation:					
SC= short cir	rcuit; C	C= open circuit	. in 1.		at at a	et de	LIE

5.7.5	TABLE: Earthed acces	TABLE: Earthed accessible conductive part				
Supply voltage (V)		- of let let	LITER OLITER OF	VII. MULL IN	_	
Phase(s)		[] Single Phase; [] Three	Phase: [] Delta	[] Wye		
Power Dist	ribution System	[]TN []TT []IT A A A A A A A A A A A A A A A A A A A				
Location		Fault Condition No in IEC 60990 clause 6.2.2	Touch current (mA)	Comme	nt	
- 40,	a state of	ex alter mite wall	Mer - Mer	24. 24.	100	
Metal enclo	sure	neutral open	0.024	ES1	LIE	
Supplemen	tary Information:					



Reference No.: WTF23D09199829Y Page 61 of 67

- au		EN IEC 62368-1	mr. m.
Clause	Requirement – Test	Result – Remark	Verdict

5.8	TABLE	TABLE: Backfeed safeguard in battery backed up supplies N/A					
Location Supply voltage (V) Operating and fault condition Time (s) Open-circuit voltage (V) Current (A) ES Clas							ES Class
15 JUL 18	CLIER	Incite - Inci	mrnr.		, , , ,	et -16t	TEN - STE
Suppleme	ntary infor	mation:					
- CIER	alter at	VILL WALL	Mr. Mr.		24 26 ⁴	THE S	JER WIE

6.2.2 TABLE: Power source circuit classifications						P
Location	Operating and fault condition	Voltage (V)	Current (A)	Max. Power ¹⁾ (W)	Time (S)	PS class
Battery circuit	Output pin + to -	3.9	2.93	11.42	5S	PS1

Supplementary information:

Abbreviation: SC= short circuit; OC= open circuit

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

* Unit shutdown immediately, recoverable, no hazard.

6.2.3.1 TABLE: Det	termination of Arcing PIS			N/A
Location	Open circuit voltage after 3 s (Vpk)	Measured r.m.s current (A)	Calculated value	Arcing PIS? Yes / No
The men in an	- 1	Tet - ITE	I'm WILL WALLE	Muri - Muri
Supplementary information	n:			
The The The	24 24	TEX TEX SIT	CLIFE WALTER	aris are

6.2.3.2 TABLE: Determination of resistive PIS									
Location	Operating and fault condition	Dissipate power (W)	Arcing PIS? Yes / No						
All primary circuits/components	LIEK OLIEK WHITEK WHITEK W	The min - men men	Yes (declaration)						

Supplementary information:

All circuits are considered as resistive PIS;

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

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

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

777	8.5.5	TABLE: High pressure lamp							
į.	Lamp manufa	acturer	Lamp type	Explosion method	Longest axis of glass particle (mm)	be	ticle found yond 1 m 'es / No		



Reference No.: WTF23D09199829Y Page 62 of 67

					EN IE	C 62368-1				
Clause	Requi	rement – Test	WILL .	are		11 20	Result -	Remark	et .	Verdict
Th	The .	TEX TEX	TELLEY NO	LITER	-ur	LIEN WALIE	WALTER	MULLI W	ur an	k - 164
Supplemer	ntary info	rmation:								
et a	et s	EX STEEL O	LIFE MALI		are.	Th.	20, 1	4 4	L 214	At.
9.6	TABI	LE: Temperat	ure measu	ırem	ents	for wireles	ss power	transmitte	rs	71 P.11
Supply vol	tage (V).			:	5V	411 11		s st	TEX-	
Max. trans	mit powe	er of transmitte	er (W)	:	5W	NITER IN	ies until	Mer.	21/12	_
		w/o receiv			rith receiver and direct contact		with receiver and at distance of 2 mm			eiver and a e of 5 mm
Foreign o	objects	Object (°C)	Ambient (°C)		oject °C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)
Steel	disc	27.0	24.3	5	1.0	24.6	48.2	24.4	43.6	24.3
Aluminu	m ring	26.4	24.2	6	0.0	24.5	56.4	24.6	52.8	24.4
Aluminu	ım foil	26.0	24.2	6	5.4	24.5	60.1	24.5	54.3	24.6
Suppleme	ntary info	rmation:								

5.4.1.4, 9.3, B.1.5, B.2.6	perature me	easurem	ents		a ju	LIEK WALF	NITE P WILL
Supply voltage (V)		:	Condition 1	Condition 2	Li mui	MULITE	_
Ambient temperature durin	g test T _{amb} (°	°C):	See below	See belov	N	LIEN .	_
Maximum measured tempe		Allowed T _{max} (°C)					
C12 body	at at	A EST	41.0	86.5	100 - 1	ng -m	70
PCB near U3	ant.	m.	50.3	118.3	/d+	18th - 58	70
PCB near U2	40.5	75.9	n m	1/1	130		
L1 body	50.8	123.1	1 - 1º	\$ JUST	Ref.		
PCB near Q2	All S	er and	42.8	83.3	1/1	12/1 - 1	80
Battery wire	Vr. 1/2	, J	43.2	87.0	J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	CLIET SI	Ref.
Battery	TEK TIEK	MILITA	36.6	53.5			60*
Enclosure inside Top near	Battery	z.t	34.0	46.0	NITE OF	PLIE WALT	men me
Enclosure Outside Top nea	ar Battery	West !	32.8	46.7	7, ,	- J	Alt All
Ambient	-70,	, et	24.8	25.0	Nice - NI	NIS-LIE	andan
Temperature T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	$R_2\left(\Omega\right)$	T (°C)	Allowed T _{max} (°C)	Insulation class
- 1 1 1	At- 1	<u> </u>	100	12 - M	-47	20	
Supplementary information:							



Reference No.: WTF23D09199829Y Page 63 of 67

Land College	Mr. Mr. Mr. Mr.	IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict			

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

Note 1: The apparatus was submitted and evaluated for maximum manufacturer's recommended ambient (Tma) of 25°C.

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

Condition 1: For power bank only charge with internal empty battery (9Vdc.)

Condition 2: For power bank only discharge with internal fully battery (12Vdc.)

B.2.5	TA	ABLE: Inp	out test					P.		
U (V)	Hz	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status		
Condition	1: 0	nly charge	e with interi	nal empty	battery (f	or powe	r bank)	LIER OLIER WITE MILITY		
9Vdc	<u>,</u>	1.1	Z 2 Z	9.9	(1 12 17)	MELL	200	Battery charge current: 2.476A		
Condition	2: 0	nly discha	rge with in	ternal full	y battery (for powe	er bank)	SITER RIFER WALTE WALTE WA		
4.2Vdc	<u></u>	2.932	er -ger	12.31	WITE !	1/2	n - 1	Battery discharge current: 2.932A		
Supplem	entary	y informat	ion:							
The maxi	mum	measured	d current un	der rated	voltage di	d not ex	ceed 110	% of the rated current.		

B.3, B.4	TABLE: Abnor	mal operating	g and fau	It condit	ion tests	24, 25, 2,	Р	
Ambient ten	nperature T _{amb} (°	°C)			: See b	elow	_	
Power source	ce for EUT: Man	ufacturer, mo	del/type,	outputrati	ng:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_	
Componen No.	t Condition	Supply voltage (V)	Test time	Fuse no.	Fuse current (A)	Observation	1	
Condition 1:	Only charge wi	th internal em	pty batter	y	Let JE	- LITER MITTER MILT	MULT	
U1	S-C	5Vdc ¹⁾	7hrs	greet and	lek uriek	Unit shut down immed damage, no hazard. Recoverable.	iately. No	
NTC	O-C	5Vdc ¹⁾	7hrs	y Y NNITE	WUTER W	Unit shut down immediately. Repeat 3 times No damage, n hazard. Recoverable.		
Condition 2:	: Only discharge	with internal	fully batte	ry	Alt A	et tet attet mi	TET NAT	
U1	S-C	4.20 Vdc ²⁾	7hrs	un <u>ti</u>	TEK NIEK	Unit shut down immed damage, no hazard. Recoverable.	iately. No	
Output	S-C	4.20Vdc ²⁾	10mins	ret unii	EX WITEK	Unit shut down immed damage, no hazard. Recoverable.	iately. No	

Supplementary information:

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

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

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

2) The test result shown all safeguards remained effective and didn't lead to a single fault condition during



Reference No.: WTF23D09199829Y Page 64 of 67

Ġ	C. MUT.	Mist him the the	EN IEC 62368-1	C 62368-1				
	Clause	Requirement – Test	Vr. 211. 20	Result – Remark	Verdict			

abnormal operating condition; In addition all safeguards complied with applicable requirements in this standard after restoration of normal operating conditions.

- 3) The test result showed no Class 1 or 2 energy source become Class 3 level during and after single fault condition.
- 4) Limit temperature: Plastic material: 87°C

M.3	TABLE: Pr	otection circu	its f	or batterie	es provid	ed v	vithin	the equ	ipment	P C	
ls it possible	to install the	battery in a re	vers	e polarity p	oosition?.	5.E.E	المارين	W. W.L.	- which is	<u> </u>	
					C	Charg	ging			<u>'</u>	
Equipment S	pecification	Voltage (V)							Current (A)		
		Se Se	ee pa	ages 2 ratir	ng		.+	Sec	e pages 2 rat	ing	
					Battery	/ spe	cifica	tion			
		Non-recharge	on-rechargeable batteries Rechargeable batteries								
		Discharging	Unintentional		(Char	ging		Discharging	Reverse	
Manufacturer/type		current (A)	charging current (A)		Voltage	(V)	Current (A)		current (A)	charging current (A)	
Guangdong CVAT0P New Energy Technology Co.,Ltd. / 955565		MULLER MULLE	- 11	nii ^{lle} un	See B.2.5 See		See	B.2.5	10	EK WILLEK	
Note: The tes	sts of M.3.2 a	re applicable o	only v	when abov	e appropr	iate (data is	s not ava	ilable.		
Specified bat	tery tempera	ature (°C)				:		5019	0-45	4	
Component No.	Fault condition	Charge/ discharge mo	ode	Test time	Temp.		rrent A)	Voltage (V)	Obse	ervation	
L U15 W	SC SC	Charge	- 01	7h	IEK WALT	0.	001	4.20	Unit shutdo immediate Recoverab damaged,	y.	
R4	SC	Charge		7h	WATER ON		.65	4.20		rking normally, age, no hazard.	
Supplementa	rv informatio	n:	-								

M.4.2	TABLE: battery	Charging saf	eguards for	equipment c	onta	aining a se	condary lithium	PE	
Maximum specified charging voltage (V) : 4.25									
Maximum specified charging current (A) 5									
Highest specified charging temperature (°C)									
Lowest sp	pecified cha	rging temperat	ture (°C)			10	me me m		
Battery		Operating		Measurement					
manufacti	urer/type	and fault condition	Charging voltage (V)						

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



Reference No.: WTF23D09199829Y Page 65 of 67

Land College	Mr. Mr. Mr. Mr.	IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict			

Lowest specified cha	rging temperatu	ıre: 10°C			
Guangdong CVAT0P New Energy Technology	Normal	4.20	0.3A	Battery temperature: 10°C	The battery charging current decreases
Co.,Ltd. / 955565	Abnormal-	- 1 4	SEK STATE	Mill Aur	the Mr. M. M.
	Single fault – (R8 SC under condition 1)	4.20	0.3A	Battery temperature: 10°C	The battery charging current decreases
Highest specified cha	arging temperati	ure: 45°C	WILL MUT	in me	All In
Guangdong CVAT0P New Energy Technology	Normal	4.20	0.001A	Battery temperature: 55.0°C	The battery charging circuit stop charging
Co.,Ltd. / 955565	Abnormal-	<i>A</i> - <i>A</i>	et Tiet	WITER WITE	arite mr. mr. m.
	Single fault – (R8 SC under condition 1)	4.20	0.001A	Battery temperature: 55.0°C	The battery charging circuit stop charging

Supplementary information:

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

Q.1	TABLE: Circuits intended for interconnection with building wiring (LPS)					N/A	
Output	Condition		Time (a)	I _{sc} (A)		S (VA)	
Output Circuit	Condition	U _{oc} (V)	Time (s)	Meas.	Limit	Meas.	Limit
NITE IN	will me w	2		at at	All the	TEK SITE	WITE OF
2, ,	and the second	EX LIER	WILL WAT	CILL	ale all	10,	- L
LITER NALTE	MUTTER MUTE MUT	70)	A .0	, Et	JEK J	ik nijek	INLIE WAL

Supplementary Information:

SC = short circuit, OC = open circuit

* Unit shutdown immediately, recoverable, no hazard.

T.2, T.3, T.4, T.5	TABLE: S	teady force te	est creek	N/A		
Location / Part	Material	Thickness (mm)	Probe	Force (N)	Test Duration (s)	Observation
-2"	4	st at	ام لا الله	(E) (I)	The MALL	We we we we
IL WITE N	LIE WILL	ALT. A	, 2,		L 14	THE THE STIEF WITH SMITH
7	, L , L+	Alt S		, WILLE	Mur. M	a m m
MITE WAY	The Contract of the Contract o	The Mr.	7		at .	EX ITEX SLIFE WITE WHILE W



Reference No.: WTF23D09199829Y Page 66 of 67

S. Mr.	The same of the sa	EN IEC 62368-1	Mer Mr
Clause	Requirement – Test	Result – Remark	Verdict

Supplementary information:

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

T.6, T.9	TABLE: Impa	ct test		N/A
Location/Par	t Material	Thickness (mm)	Height (mm)	Observation
20.	*	Et TEX	LIEK WIT	The Me Me An An
OLITER SI	LI CONTINUE	100 100 11	, L	the the ties the still suite series
3) 3	A 15	LET LET S	EK WILLE	men
Supplementa	ary information	n:		

T.7 TABLE: Drop test				N/A		
Location/Part	Material	Thickness (mm)	Height (mm)	Observation		
TEX SIT	WITE.	WILL MULL ON		at the fifth the state with		
41, 41,	-0,-	at at a	* alier	Will Marie Marie Marie Marie Marie		
LITER CLIFE	me and	2 20	-2	A SET SET LIFE ALTER		
Supplementary	information	:				

T.8 TA	ABLE: Stress	roliof tost	ne me	2/2	in 2,		t-	N/A
1.0	ADLL. Olico.	l lener test	Oven	- A-	- A		.0"	IN/A
Location/Part	Material	Thickness (mm)	Oven Temperatur e (°C)	Duration (h)		Observat	ion	
A ST	All ST	* SLIFE SINLIFE	MULL OF	12 Tale.	77	7, 1		dt a
Supplementary	information:							
*Test was perfo	ormed on pro	duct with each sou	urce listed in t	able 4.1.2.	10,			

easured cl	
Measured cl (mm)	
CIENT MILE VI	



Page 67 of 67 Reference No.: WTF23D09199829Y

The water	111 21 21 21 21 21 21 21 2 1 1 1 1 1 1	EN IEC 62368-1	TEK WITE WALLEY	Mrtie M	711
Clause	Requirement – Test	Note that My the	Result – Remark	et d	Verdict

4.1.2	TABLE: Critical comp	onents informat	ion		P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹
NTC NTC	SHENZHEN YUETAIDA TECHNOLOGY CO.,LTD	104F-4250-60L	R25=100KΩ±1%, B25/50=3950K±1%	EN IEC 62368-1	Test with appliance
PCB	Shenzhen Hecheng Fast Electronic Technology Co Ltd	1,1a	V-0, 130°C	UL 796	UL E159194
(Alternative)	Interchangeable	Interchangeabl e	V-0, 130°C	UL 796	UL W
Wood enclosure	Interchangeable	Interchangeabl e	Min. thickness: 1.0mm	EN IEC 62368-1	Test with appliance
Battery lead wire	Interchangeable	Interchangeabl e	Min. 30V, min. 80°C, min. 26AWG, VW-1	UL 758	UL WILL
Internal Li- ion Cell	Guangdong CVAT0P New Energy Technology Co.,Ltd.	955565	3.7V, 4000mAh	IEC 62133-2: 2017	LCS2201081 68AS

Supplementary information:

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

Page 1 of 3

Photo Documentation

Reference No.: WTF23D09199829Y



Figure 1



Figure 2



Page 2 of 3

Photo Documentation

Reference No.: WTF23D09199829Y

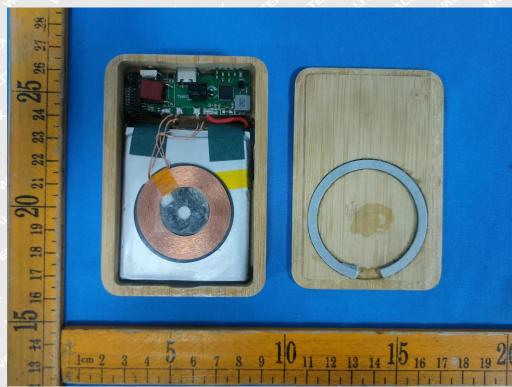


Figure 3



Figure 4



Page 3 of 3

Photo Documentation

Reference No.: WTF23D09199829Y

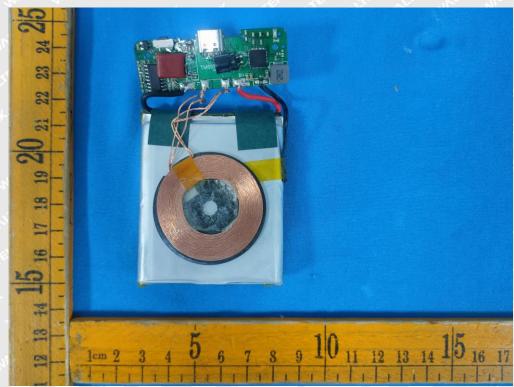


Figure 5



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