



TEST REPORT

Reference No..... : WTF24D05119389Y

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

Hong Kong

Manufacturer..... : 114320

Product.....: WIFI foldable drone

Model(s).....: MO9379

Total pages : 68 pages and 8 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....: 2024-05-23

Date of Test...... 2024-05-23to 2024-07-10

Date of Issue..... : 2024-07-15

Test Result.....: Pass

Remarks:

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

Prepared By:

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Compiled by:

Approved by:

Grace Feng / Project Engineer

Grace feng

Almon Zhao / Designated Reviewer



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Test item description	WIFI foldable	e drone
Trademark:	MOB	TEX LIFEX OUTER MUTER WAITE WALTE WALTE
Model and/or type reference:	MO9379	t of the feet state with a
Rating(s):		dable drone:5V, Li-ion battery: 3.7V, 300mAh. control: 3*1.5VUM-4/LR03 batteries.
Remark: Whether parts of tests for the product has the product had the produc		contracted to other labs:
Summary of testing:	7/1, ,	st list test that a titlet and the country
Tests performed (name of test and te - EN IEC 62368-1:2020+A11:2020 The submitted samples were found to c the requirements of above specification	omply with	Testing location: No. 77, Houjie Section, Guantai Road, Houjie Town, Dongguan City, Guangdong, China
☐ The product fulfils the requirements	of EN IEC 62	368-1:2020+A11:2020.
Use of uncertainty of measurement for	or decisions	on conformity (decision rule):
No decision rule is specified by the I applicable limit according to the specific	EC standard, ation in that s	when comparing the measurement result with the standard. The decisions on conformity are made ble acceptance" decision rule, previously known as
Other:(to be specified, for example requirements apply)	when require	ed by the standard or client, or if national accreditation
Information on uncertainty of measur	rement:	
		the laboratory based on application of criteria given by nethods, decision sheets and operational procedures of
the decision rule when reporting test res	sults within IE	of measurement uncertainty principles and applying CEE scheme, noting that the reporting of the ecessary unless required by the test standard or

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

customer.

the testing.



Copy of marking plate:

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





Remark:

- 1. The above markings are the minimum requirements required by the safety standard. For the final production, the additional markings which do not give rise to misunderstanding may be added.
- 2. The CEmarking 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.



TEST ITEM PARTICULARS:	Will My Aug And
Product group	⊠ end product □ built-in component
Classification of use by:	☑ Ordinary person☐ Instructed person☐ Skilled person
Supply Connection:	☐ AC mains ☐ DC mains ☐ not mains connected: ☐ ES2 ☐ ES3
Supply % Tolerance:	□ +10%/-10% □ +20%/-15% □ +%/% None
Supply Connection – Type:	 □ pluggable equipment type A - □ non-detachable supply cord □ appliance coupler □ direct plug-in □ pluggable equipment type B - □ non-detachable supply cord □ appliance coupler □ permanent connection □ mating connector ⋈ other: not Mains connected
Considered current rating of protective device as part of building or equipment installation:	☐ UK: 13 A; Others: 16 A; Location:☐ building ☐ equipment ☑ N/A
Equipment mobility:	 □ movable (WIFI foldable drone) □ hand-held (Remote control) □ transportable (WIFI foldable drone) □ direct plug-in □ stationary □ for building-in □ wall/ceiling-mounted □ SRME/rack-mounted □ other:
Over voltage category (OVC):	□ OVC I □ OVC II □ OVC III □ OVC IV⊠ other: not Mains connected
Class of equipment:	☐ Class I ☐ Class II ☐ Class 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):	



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Mass of equipment (kg):	⊠ WIFI foldable drone: Approx. 0.031kg;
a lite with this was and an	Remote control: Approx. 0.067kg.
POSSIBLE TEST CASE VERDICTS:	it with any and any and any
- 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:	mil me me me me
Date of receipt of test item:	2024-05-23
Date (s) of performance of tests:	2024-05-23 to 2024-07-10
GENERAL REMARKS:	EK TEK TEK STEEL BUTEL MATE MATE WATER
"(see Enclosure #)" refers to additional information ap	pended to the report.
"(see appended table)" refers to a table appended to t	the report.
Throughout this report a \square comma / \boxtimes point is u	sed as the decimal separator.
GENERAL PRODUCT INFORMATION:	THE THE LIFE SLIFE MILE WHILE WHILE
Product Description	and any any any
with with with which will be	
The EUT covered by this report is WIFI foldable d	rone used as Audio/video, information and
communication technology equipment.	and the state of t

- 2. The WIFI foldable drone is supplied by external power supply or by approved internal lithium-ion battery which complied with PS1; The Remote control is supplied by 3*1.5V UM-4/LR03 batteries which complied with PS1.
- 3. The manufacturer specified maximum ambient temperature is 25°C.4. All circuits complied with ES1 and PS1, no other circuit existed.
- 5. The normal flight time of the WIFI foldable drone is about 6 minutes.



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Clause	Possible Hazard				
5	Electrically-caused injury				
Class and Energy Source	Body Part		Safeguards		
(e.g. ES3: Primary circuit)	(e.g. Ordinary)	В	S	R	
ES1: All internal circuit	Ordinary	N/A	N/A	N/A	
5	Electrically-caused fire				
Class and Energy Source	Material part				
e.g. PS2: 100 Watt circuit)	(e.g. Printed board)	В	1 st S	2 nd S	
PS1: <15 Watt circuits	Enclosure	N/A	N/A	N/A	
PS1: <15 Watt circuits	PCB	N/A	N/A	N/A	
PS1: <15 Watt circuits	The other components/materials	N/A N/A	N/A	N/A	
7	Injury caused by hazardous substances				
Class and Energy Source	ass and Energy Source Body Part Safeguar				
(e.g. Ozone)	(e.g., Skilled)	В	S	R	
Battery(See Annex M)	Ordinary	N/A	N/A	N/A	
3	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	
ΓS1: 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	

		<u> </u>	() () () () () () () () () ()		
ENER	GY SOURCE D	IAGRAM			
Indicate which energy sources are included in	n the energy sour	rce diagram. Ins	sert diagram b	elow	
☐ ES ☐ P	S 🗆 MS	□ TS □	RS	20 20	4
See details in OVERVIEW	OF ENERGY SC	OURCES AND S	SAFEGUARDS	LIE SLI	



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Clause	Requirement – Test	Result – Remark	Verdict

4	GENERAL REQUIREMENTS		Р
4.1.1	Acceptance of materials, components and subassemblies	(See appended table 4.1.2)	JIP P
4.1.2 And the state of the stat	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	MALT P
4.1.3	Equipment design and construction	Equipment is adequately designed and constructed.	W. P
4.1.4	Specified ambient temperature for outdoor use (°C)	Indoor use only	N/A
4.1.5	Constructions and components not specifically covered	No such constructions and components.	N/A
4.1.8	Liquids and liquid filled components (LFC)	No such parts.	N/A
4.1.15	Markings and instructions	(See Annex F)	Р
4.4.3	Safeguard robustness	See below	P
4.4.3.1	General	2 24 24	Р
4.4.3.2	Steady force tests	TEN TO STATE OF	N/A
4.4.3.3	Drop tests	(See Annex T.7)	Р
4.4.3.4	Impact tests	1 TEX STEEL WILLIAM	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
ry arr	Glass impact test (1J)	LIER MITER MALIE WALLE	N/A
et et	Push/pull test (10 N)		N/A
4.4.3.8	Thermoplastic material tests	WELL WITE WHILE MALL MA	N/A
4.4.3.9	Air comprising a safeguard	a state of	N/A
4.4.3.10	Accessibility, glass, safeguard effectiveness	No safeguard damaged.	√ ₁₁ P
4.4.4	Displacement of a safeguard by an insulating liquid	No such liquid.	N/A
4.4.5	Safety interlocks	No such parts.	N/A
4.5	Explosion	CITER WILL WILL A	P
4.5.1	General	No explosion occurs during normal/abnormal operation and single fault conditions	EF P
4.5.2	No explosion during normal/abnormal operating condition	(See Clause B.2, B.3)	N/ PE

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Clause	Requirement – Test	Result – Remark	Verdict
WITEK N	No harm by explosion during single fault conditions	(See Clause B.4)	P
4.6	Fixing of conductors	See below	Р
NITE WAY	Fix conductors not to defeat a safeguard	TER TER WITER WITER	MILL P
A	Compliance is checked by test	(See Clause T.2)	Р
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)	ALTER MITE WALLE WAS	N/A
4.8	Equipment containing coin/button cell batteries		
4.8.1	General	No coin/button cell batteries used.	N/A
4.8.2	Instructional safeguard	TER STER WITER WATER	N/A
4.8.3	Battery compartment door/cover construction	2 My 20 7 7	N/A
MULL	Open torque test	EX SLIER WITE WITE W	N/A
4.8.4.2	Stress relief test	10 7	N/A
4.8.4.3	Battery replacement test	"NITER WITE WALL WAL	N/A
4.8.4.4	Drop test		N/A
4.8.4.5	Impact test	Marie Wali	N/A
4.8.4.6	Crush test	- 1 to 10to	N/A
4.8.5	Compliance	The Will Aut Aut !	N/A
t JEK	30N force test with test probe		N/A
2/11	20N force test with test hook	Mer Mer Mer M	N/A
4.9	Likelihood of fire or shock due to entry of cond	luctive object	N/A
4.10	Component requirements	Mury Mury Mury Any	N/A
4.10.1	Disconnect Device	LEK LEK LIEK LITEK	N/A
4.10.2	Switches and relays	in my my	N/A

5	ELECTRICALLY-CAUSED INJURY Classification and limits of electrical energy sources		Р
5.2			P
5.2.2	ES1, ES2 and ES3 limits	All internal circuits are considered to be ES1	Р
5.2.2.2	Steady-state voltage and current limits	(See appended table 5.2)	70 P 70
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	a of the set of	N/A



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

Clause	Trequirement – Test	Result – Remark	Verdict
E 2	Distriction against algebraical angular assures	the short and an	N1/A
5.3	Protection against electrical energy sources	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	MULL MULL MULL MULL	N/A
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	TEX LIEK OLIEK MITES	N/A
5.3.1 b)	Skilled personsnot unintentional contact ES3 bare conductors	of the text step	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Only ES1 circuit	N/A
21/2 - 2	Accessibility to outdoor equipment bare parts	WILL MULL MULL MY	N/A
5.3.2.2	Contact requirements	a de de de	N/A
11. 14.	Test with test probe from Annex V	MULTER WALL WALL WALL WALL	_
5.3.2.2 a)	Air gap – electric strength test potential (V)	at let let the	N/A
5.3.2.2 b)	Air gap – distance (mm)	or mer mer me	N/A
5.3.2.3	Compliance	et let let let	N/A
5.3.2.4	Terminals for connecting stripped wire	No stripped wire used.	N/A
5.4	Insulation materials and requirements	t TEN TEN STEEL OUT	Р
5.4.1.2	Properties of insulating material	No insulation as a safeguard.	N/A
5.4.1.3	Material is non-hygroscopic	ALTER MITE	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)	LITEK P
5.4.1.5	Pollution degrees	ry mer me me	N/A
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	MULTER WHITER WHITER WA	N/A
5.4.1.5.3	Thermal cycling test	at all all of	N/A
5.4.1.6	Insulation in transformers with varying dimensions	MULL MULL MULL MIN	N/A
5.4.1.7	Insulation in circuits generating starting pulses	at let let liter	N/A
5.4.1.8	Determination of working voltage	VII MULL MULL MULL	N/A
5.4.1.9	Insulating surfaces	Et TEX STEX STEX	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	The the text of	N/A
5.4.1.10.2	Vicat test	West Mer Mer My	N/A
5.4.1.10.3	Ball pressure test	et set set set	N/A
5.4.2	Clearances	MUTE AND THE AND	N/A
5.4.2.1	General requirements	LEK TEK STEK STEK	N/A
r The	Clearances in circuits connected to AC Mains, Alternative method	t it lit lit	N/A
5.4.2.2	Procedure 1 for determining clearance	MULL MULL MULL M	N/A
TEN	Temporary overvoltage	1 1 1 1 1	é



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Clause	Requirement – Test	Result – Remark	Verdict
5.4.2.3	Procedure 2 for determining clearance	The Aug M.	N/A
5.4.2.3.2.2	a.c. mains transient voltage	TEK ITEK SITEK	
5.4.2.3.2.3	d.c. mains transient voltage	The Area on	~ _
5.4.2.3.2.4	External circuit transient voltage	TEN STEP STEP	<u> </u>
5.4.2.3.2.5	Transient voltage determined by measurement	V. W. W. A.	
5.4.2.4	Determining the adequacy of a clearance using an	THE WILLER WAS	N/A
- TEE	electric strength test		t the ten
5.4.2.5	Multiplication factors for clearances and test voltages	MULL MULL MUR	N/A
5.4.2.6	Clearance measurement	LIER WIFE WILL	N/A
5.4.3	Creepage distances	20, 22, 2	N/A
5.4.3.1	General	LIER WILLIAMILE M	N/A
5.4.3.3	Material group		<u> </u>
5.4.3.4	Creepage distances measurement	ER WILL MUTTER WALL	N/A
5.4.4	Solid insulation	and the state of the	N/A
5.4.4.1	General requirements	White Whit whi	N/A
5.4.4.2	Minimum distance through insulation	At 18th	N/A
5.4.4.3	Insulating compound forming solid insulation	2 July 1	N/A
5.4.4.4	Solid insulation in semiconductor devices		N/A
5.4.4.5	Insulating compound forming cemented joints	in mer mer me	N/A
5.4.4.6	Thin sheet material	of the the state	N/A
5.4.4.6.1	General requirements	Apr. Mr. M.	N/A
5.4.4.6.2	Separable thin sheet material	THE THE STEE	N/A
*	Number of layers (pcs)	me me m	N/A
5.4.4.6.3	Non-separable thin sheet material	STEK STEK STEK ST	N/A
et et	Number of layers (pcs)	in my	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	THE WALTER WALTER WAL	N/A
5.4.4.6.5	Mandrel test	- TEN TEN TEN	N/A
5.4.4.7	Solid insulation in wound components	Mrs. Mrs. Mrs.	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz, <i>E</i> _P , <i>K</i> _R , <i>d</i> , <i>V</i> _{PW} (V)	WALTER WALTER WALTER	N/A
TEK WALTE	Alternative by electric strength test, tested voltage (V), K _R	LIEF WILEF WHILEF	N/A
5.4.5	Antenna terminal insulation		N/A
5.4.5.1	General	er write write write	N/A
5.4.5.2	Voltage surge test	1 4 1	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
mr.	The state of	Er Oliv Mil Mar	we an
5.4.5.3	Insulation resistance (MΩ)	The state of	N/A
mer, m	Electric strength test	ALTER WALTE WALTER	N/A
5.4.6	Insulation of internal wire as part of supplementary safeguard	THE LIE RUTH	N/A
5.4.7	Tests for semiconductor components and for cemented joints	it the the	N/A
5.4.8	Humidity conditioning	in any any an	N/A
WALTER VI	Relative humidity (%), temperature (°C), duration (h)	A NITER WHITER WHITE	whi —
5.4.9	Electric strength test	at the left	N/A
5.4.9.1	Test procedure for type test of solid insulation	MULT WILL WILL	N/A
5.4.9.2	Test procedure for routine test	at at at	N/A
5.4.10	Safeguards against transient voltages from external circuits	it we we w	N/A
5.4.10.1	Parts and circuits separated from external circuits	ET WITE WALL WAL	N/A
5.4.10.2	Test methods	A ST SE	N/A
5.4.10.2.1	General	Write Mury Mury	N/A
5.4.10.2.2	Impulse test	at the same	N/A
5.4.10.2.3	Steady-state test	2 200 1	N/A
5.4.10.3	Verification for insulation breakdown for impulse test	IF WHILE WHILE WH	N/A
5.4.11	Separation between external circuits and earth	L A A A	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	white with white	N/A
5.4.11.2	Requirements	OLIER MITE WALTE	N/A
LIEK MALIY	SPDs bridge separation between external circuit and earth	TEL STEE STEEL	N/A
of at	Rated operating voltage U _{op} (V)	14 14 14 14 14 14 14 14 14 14 14 14 14 1	, -
MULL	Nominal voltage U _{peak} (V)	IEK NITER MITE WAY	_ n
. At	Max increase due to variation ΔU _{sp}	70, 70,	_
mrs M	Max increase due to ageing ΔU _{sa}	INITE MALTER MALTE	whi -
5.4.11.3	Test method and compliance	1 1	N/A
5.4.12	Insulating liquid	White White While	N/A
5.4.12.1	General requirements	at the set	N/A
5.4.12.2	Electric strength of an insulating liquid	THE MUTTER MUTTER AND	N/A
5.4.12.3	Compatibility of an insulating liquid	the state of	N/A
5.4.12.4	Container for insulating liquid	MULT MILL WILL	N/A
5.5	Components as safeguards	the state of	N/A



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Clause	EN IEC 62368-	L 41	\/
Clause	Requirement – Test	Result – Remark	Verdict
5.5.1	General	No such components as safeguards.	N/A
5.5.2	Capacitors and RC units	MUE ME ME AN	N/A
5.5.2.1	General requirement	TEX SEX STEX WIT	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	it let tex itex	N/A
5.5.3	Transformers	in my my m	N/A
5.5.4	Optocouplers	t get get get	N/A
5.5.5	Relays	The The Me A	N/A
5.5.6	Resistors	TEX STEX SUSTER OU	N/A
5.5.7	SPDs	me me me	N/A
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable	LIER WHITE WHITE WHITE	N/A
5.5.9	Safeguards for socket-outlets in outdoor equipment	EX UNITER WAITER WAITER	N/A
JEX	RCD rated residual operating current (mA)	A AT AT	<u> </u>
5.6	Protective conductor	Will Mur Mur M	N/A
5.6.2	Requirement for protective conductors	at a set of	N/A
5.6.2.1	General requirements	Class III equipment	N/A
5.6.2.2	Colour of insulation	THE LIE	N/A
5.6.3	Requirement for protective earthing conductors	C. Mr. Mr. M.	N/A
OLITE .	Protective earthing conductor size (mm²)	A THE THE NITH	
TIER .	Protective earthing conductor serving as a reinforced safeguard	the the tex	N/A
The Th	Protective earthing conductor serving as a double safeguard	white men we we	N/A
5.6.4	Requirements for protective bonding conductors	ALTER WALTER WALTE WALTE	N/A
5.6.4.1	Protective bonding conductors	L at at at	N/A
an.	Protective bonding conductor size (mm²)	The Will Multi Multi	411
5.6.4.2	Protective current rating (A)	L OF THE THE	N/A
5.6.5	Terminals for protective conductors	MUEL MUEL MUEL IN	N/A
5.6.5.1	Terminal size for connecting protective earthing conductors (mm)	MILIER MALTER MALTER WAL	N/A
TEK WALF	Terminal size for connecting protective bonding conductors (mm)	Light Milet Milet MALTE	N/A
5.6.5.2	Corrosion	the state of	N/A
5.6.6	Resistance of the protective bonding system	CER WILL WILL MILL	N/A
5.6.6.1	Requirements	t it it	N/A
5.6.6.2	Test Method	LIFE MITTER MILE ON	N/A



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-20,	EN IEC 62368-	12 million	20. de
Clause	Requirement – Test	Result – Remark	Verdict
- mr	THE THE THE THE THE	EL WILL MULL MILL MI	200
5.6.6.3	Resistance (Ω) or voltage drop		N/A
5.6.7	Reliable connection of a protective earthing conductor	White Mill Mail Mail	N/A
5.6.8	Functional earthing	THE STEEL WITER WITER	N/A
A	Conductor size (mm²)	The state of the s	N/A
in white	Class II with functional earthing marking	TEX SLIER WITER WALTER OF	N/A
- 10	Appliance inlet cl &cr (mm)	7, 7,	N/A
5.7	Prospective touch voltage, touch current and p	rotective conductor current	N/A
5.7.2	Measuring devices and networks	100 A 15 A	N/A
5.7.2.1	Measurement of touch current	OLITE WALL WALL WALL	N/A
5.7.2.2	Measurement of voltage	at at at with	N/A
5.7.3	Equipment set-up, supply connections and earth connections	Life While Mail Mile	N/A
5.7.4	Unearthed accessible parts	EX WITE WITE WITE 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
Vile MV	Protective conductor current (mA)	At A RITE MITE	N/A
st st	Instructional Safeguard	7 7 7	N/A
5.7.7	Prospective touch voltage and touch current associated with external circuits	TE WHITE WHITE WHITE	N/A
5.7.7.1	Touch current from coaxial cables	A TEX STEE SLITER OF	N/A
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	the top the the	N/A
5.7.8	Summation of touch currents from external circuits	which we will all	N/A
14 - 134 20 - 21/L	a) Equipment connected to earthed external circuits, current (mA)	NITE WALL WALL WALL	N/A
MULL	b) Equipment connected to unearthed external circuits, current (mA)	THE WALTER WALTER WALTER	N/A
5.8	Backfeed safeguard in battery backed up supplies		N/A
	Mains terminal ES	No battery used	N/A
all in	Air gap (mm)	LET TEX TEX LIFE	N/A

6	ELECTRICALLY- CAUSED FIRE Classification of PS and PIS		NITE PINITE
6.2			Р
6.2.2	Power source circuit classifications	All internal and output circuits are considered to be PS1 circuits.	P.T.
6.2.3	Classification of potential ignition sources	See the following details.	N/A



211.	EN IEC 62368-	Tile with which where a	11. 20.
Clause	Requirement – Test	Result – Remark	Verdict
2001		Ex Tity Will Mar Mur	4/1
6.2.3.1	Arcing PIS	All internal circuits are not considered as arcing PIS.	t TEX
	The state of the state of the state	They are supplied by external	N/A
	18 STEEL WITE MUTE MUTE MUTE AND TO	power supply whose open	JEK
Vr. 21/2	The state of the state of	voltage is less than 50V.	11/2 11
6.2.3.2	Resistive PIS	All internal circuits of PS1 circuits	N/A
6.3	Safeguards against fire under normal operating conditions	and abnormal operating	P OF STE
6.3.1	No ignition and attainable temperature value less than 90 % defined by ISO 871 or less than 300 °C for unknown materials	No ignition and no such temperature attained within the equipment. (See appended table B.1.5 & B.3)	P
in The	Combustible materials outside fire enclosure	Min.HB	U. Pa
6.4	Safeguards against fire under single fault condit	tions	P.S
6.4.1	Safeguard method	Method by control of fire spread applied	Р
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	White White White White	N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	THE MILITER WALTER	N/A
6.4.3.1	Supplementary safeguards	The The	N/A
6.4.3.2	Single Fault Conditions	ci muci muci muci a	N/A
LIE	Special conditions for temperature limited by fuse	t at let let let	N/A
6.4.4	Control of fire spread in PS1 circuits	All internal circuits of PS1 circuits	Р
6.4.5	Control of fire spread in PS2 circuits	WILL MILL MILL MILL	N/A
6.4.5.2	Supplementary safeguards	at the fifth	N/A
6.4.6	Control of fire spread in PS3 circuits	ALLE WALL MALL MALL	N/A
6.4.7	Separation of combustible materials from a PIS	a st st st	N/A
6.4.7.2	Separation by distance	the way with any and	N/A
6.4.7.3	Separation by a fire barrier	- it lit lit is	N/A
6.4.8	Fire enclosures and fire barriers	Only PS1 circuit , no fire enclosures or barriers required	N/A
6.4.8.2	Fire enclosure and fire barrier material properties	WILL WILL MULT ME	N/A
6.4.8.2.1	Requirements for a fire barrier	at the fifth	N/A
6.4.8.2.2	Requirements for a fire enclosure	TIE MUTE MUTE A	N/A
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	EX WITEX MUTEX MUTEX WA	N/A
6.4.8.3.1	Fire enclosure and fire barrier openings	No openings	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
6.4.8.3.2	Fire barrier dimensions	No fire barrier used.	N/A
6.4.8.3.3	Top openings and properties	No top opening	N/A
et a	Openings dimensions (mm)	The state of	N/A
6.4.8.3.4	Bottom openings and properties	No bottom opening	N/A
Et JEt	Openings dimensions (mm)	a at at	N/A
All J	Flammability tests for the bottom of a fire enclosure	THE MULTER WHITE WALL A	N/A
Miles 4	Instructional Safeguard	ALTER MITE WALTE WAS	N/A
6.4.8.3.5	Side openings and properties	No side openings	N/A
ine, in	Openings dimensions (mm)	CLIEB WILL WALL AND AND	N/A
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c)	THE STIFF STIFF SOUTH	N/A
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating	et tet itet sitet i	N/A
6.4.9	Flammability of insulating liquid	m m m	N/A
6.5	Internal and external wiring	t TEX STEX NITER WIT	Р
6.5.1	General requirements	The internal wires are complied with UL standard, of which the test method and testing condition are equal to IEC/EN 60695-11-21.	WALTER O
6.5.2	Requirements for interconnection to building wiring	No such wire used	N/A
6.5.3	Internal wiring size (mm2) for socket-outlets	No such wire used	N/A
6.6	Safeguards against fire due to the connection to ac	dditional equipment	Р
7	INJURY CAUSED BY HAZARDOUS SUBSTANC	ES	Р
7.2	Reduction of exposure to hazardous substance	es the latter with white	N/A
7.3	Ozone exposure	the state of the s	N/A
7.4	Use of personal safeguards or personal protect	tive equipment (PPE)	N/A
- TEX	Personal safeguards and instructions		
7.5	Use of instructional safeguards and instruction	S WILL WILL MUIT MILL	N/A
CIEN N	Instructional safeguard (ISO 7010)	A SHE SHE	_
7.6	Batteries and their protection circuits	write while while will	Р
TET JE	THE WALL WIN ALL AND THE PROPERTY OF THE PROPE	e it it it	JEET .
8	MECHANICALLY-CAUSED INJURY		Р
8.2	Mechanical energy source classifications	at at all the	P.
8.3	Safeguards against mechanical energy sources	in Alvin Alvin Alvin All	Р
8.4	Safeguards against parts with sharp edges and corners		Р



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01	EN IEC 62368-	2 M. O. A.	N/ P 4
Clause	Requirement – Test	Result – Remark	Verdict
8.4.1	Safeguards	the her me m	Р
unt un	Instructional Safeguard:	MS1: Edges and corners of enclosure	JIL P
8.4.2	Sharp edges or corners	Edges and corners of the enclosure are rounded.	WILL P.
8.5	Safeguards against moving parts	at at att att	N/A
8.5.1	Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts	No moving parts.	N/A
The Th	MS2 or MS3 part required to be accessible for the function of the equipment	See above.	N/A
ner un	Moving MS3 parts only accessible to skilled person	alter while while while	N/A
8.5.2	Instructional safeguard	the second	N/A
8.5.4	Special categories of equipment containing moving parts	LIE WILL WILL WILL	N/A
8.5.4.1	General	EX LIEX NITER WITE ON	N/A
8.5.4.2	Equipment containing work cells with MS3 parts	211 211 111	N/A
8.5.4.2.1	Protection of persons in the work cell	ALTER WITE WALTE WALTE	N/A
8.5.4.2.2	Access protection override		N/A
8.5.4.2.2.1	Override system	White white	N/A
8.5.4.2.2.2	Visual indicator	the life	N/A
8.5.4.2.3	Emergency stop system	The west was and a	N/A
MULIER	Maximum stopping distance from the point of activation (m)	* INTER MATER MATER MA	N/A
nntifek whi	Space between end point and nearest fixed mechanical part (mm)	LIER SLIER WILER MILE	N/A
8.5.4.2.4	Endurance requirements	in the state of	N/A
The Aller	Mechanical system subjected to 100 000 cycles of operation	NITER WHITE WHITE WHITE	N/A
WALTER.	- Mechanical function check and visual inspection	EK LIEK WIEK WIEW	N/A
	- Cable assembly	711. 121. 2	N/A
8.5.4.3	Equipment having electromechanical device for destruction of media	White white white whi	N/A
8.5.4.3.1	Equipment safeguards	TEX LIEX SUIFE WITE	N/A
8.5.4.3.2	Instructional safeguards against moving parts:	me m m	N/A
8.5.4.3.3	Disconnection from the supply	TEX NIFE WHILE WAITE	N/A
8.5.4.3.4	Cut type and test force (N):	100 20	N/A
8.5.4.3.5	Compliance	HE WILL MULL MULL MA	N/A
8.5.5	High pressure lamps	No high pressurelamps used.	N/A
21/2 21	Explosion test:	The Write Mary Mary	N/A



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	EN IEC 62368-		20. 1
Clause	Requirement – Test	Result – Remark	Verdict
8.5.5.3	Glass particles dimensions (mm):	They are any	N/A
8.6	Stability of equipment	- 18 18 18 N	N/A
8.6.1	General	MS1: Mass of the unit	N/A
0.0.1	Instructional safeguard:	WST. Wass of the unit	N/A N/A
8.6.2		We are any	
·	Static stability	The still will writer	N/A
8.6.2.2	Static stability test	Mr. Mr. Mr.	N/A
8.6.2.3	Downward force test	t stek miter miter w	N/A
8.6.3	Relocation stability	111, 121, A.	N/A
WEST WIL	Wheels diameter (mm):	STEE STEE WITH WAL	_
J. J.	Tilt test	41, 21, 2, 4	N/A
8.6.4	Glass slide test	LIER RELIEF WILLE MALL	N/A
8.6.5	Horizontal force test:		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	INLIE WALL MALL WA	N/A
All S	Test 1, additional downwards force (N):	the state of	N/A
	Test 2, number of attachment points and test force	The man war	N/A
set all	(N)		N/AS
- 2h	Test 3 Nominal diameter (mm) and applied torque (Nm)	The marty mar mark	N/A
8.8	Handles strength	ex lift alies with a	N/A
8.8.1	General	No handles	N/A
8.8.2	Handle strength test	LIEK MITER WALTER WAL	N/A
. ot 1	Number of handles:	20 20 20 A	<u>. </u>
ris. Aur	Force applied (N)	ALTER MITER WALTE WALTE	21/2/2
8.9	Wheels or casters attachment requirements		N/A
8.9.2	Pull test	No such parts	N/A
8.10	Carts, stands and similar carriers	e at at at	N/A
8.10.1	General	No carts, stands or similar carriers	N/A
8.10.2	Marking and instructions	CLIEB MITE WALL WALL	N/A
8.10.3	Cart, stand or carrier loading test	n to the state of	N/A
" Aller	Loading force applied (N)	LIEF WILL WALL WALL	N/A
8.10.4	Cart, stand or carrier impact test		N/A
8.10.5	Mechanical stability	E WALLE MALL MALL A	N/A
All the	Force applied (N)	1 1 1	- E



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	EN IEC 6	2368-1	
Clause	Requirement – Test	Result – Remark	Verdict
ar.	The Tree of the The	TER SUIT MET MALE	The Mr.
8.10.6	Thermoplastic temperature stability	The second	N/A
8.11	Mounting means for slide-rail mounted eq	uipment (SRME)	M/A
8.11.1	General	No such parts	N/A
8.11.2	Requirements for slide rails	ITEX MITE WALL WALL OF	N/A
EF JE	Instructional Safeguard	i	N/A
8.11.3	Mechanical strength test	The West West Mer	N/A
8.11.3.1	Downward force test, force (N) applied	: L Let Let	N/A
8.11.3.2	Lateral push force test	anti with and with	N/A
8.11.3.3	Integrity of slide rail end stops	at let let let	N/A
8.11.4	Compliance	Will My My	N/A
8.12	Telescoping or rod antennas	et set set siet i	N/A
	Button/ball diameter (mm)	: No such parts	_

9	THERMAL BURN INJURY		Р
9.2	Thermal energy source classifications Touch temperature limits		P
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)	nii P
9.3.2	Test method and compliance	See B.1.6 & B.2.3	of Pari
9.4	Safeguards against thermal energy sources	Merry Mary May My A	Р
9.5	Requirements for safeguards		P
9.5.1	Equipment safeguard	Enclosure provided to limit the transfer of thermal energy of internal parts under normal operating conditions and abnormal operating conditions.	P MILITER
9.5.2	Instructional safeguard	: Instructional safeguard is not required.	N/A
9.6	Requirements for wireless power transmitte	ers tree with with the	N/A
9.6.1	General	No wireless power transmitters	N/A
9.6.2	Specification of the foreign objects	ALTE INTER WALL WALL WALL	N/A
9.6.3	Test method and compliance	:	N/A

10	RADIATION Radiation energy source classification		Р
10.2			N Pur
10.2.1	General classification	See below	E PAR
m	Lasers:	et with white white wh	_
MITEK	Lamps and lamp systems	RS1: LED only for indicating use which is considered as low	_



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	M. 20. 2	EN IEC 62368-1	
Clause	Requirement – Test	Result – Remark	Verdict

Clause	Trequirement – Test	Tresuit – Iremark	Verdict
2112	The state of the s	power application.	1 20
الا، ياليانان	Image projectors:	THE LITER PLITER WILL	
, t	X-Ray:	THE THE THE THE	_
the mi	Personal music player:	LIEF ALTER MILE WALTER	<u> </u>
10.3	Safeguards against laser radiation	the think the	N/A
MUTT	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	Р
10.4.1	General requirements	LED indication light: Classed as RS1 (Exempt Group)	un'P
ITEK WALT	Instructional safeguard provided for accessible radiation level needs to exceed	LIER WILLER WHITEK	N/A
t Tex	Risk group marking and location:		N/A
Me	Information for safe operation and installation	ET WILL WILL WILL M	N/A
10.4.2	Requirements for enclosures	at at att a	N/A
Mr. a	UV radiation exposure	WILL MULL MULL MULL	N/A
10.4.3	Instructional safeguard	A THE SE	N/A
10.5	Safeguards against X-radiation		N/A
10.5.1	Requirements	No X-radiation	N/A
-20.	Instructional safeguard for skilled persons	ry mur me my	_
10.5.3	Maximum radiation (pA/kg)	the text state of	<u> </u>
10.6	Safeguards against acoustic energy sources	The The This Is,	N/A
10.6.1	General	TEN TEN NITER MIT	N/A
10.6.2	Classification	Any Any Any	N/A
The Will	Acoustic output L _{Aeq,T} , dB(A):	TER STEE BLIEF MITE	N/A
+ 4	Unweighted RMS output voltage (mV):	12 My 23 2	N/A
Mer	Digital output signal (dBFS)	IEL OLIER WILL WALLE	N/A
10.6.3	Requirements for dose-based systems	10 to 10	N/A
10.6.3.1	General requirements	TO THE WALTER WALTER WAS	N/A
10.6.3.2	Dose-based warning and automatic decrease	A A A A A	N/A
10.6.3.3	Exposure-based warning and requirements	WILL MULL AND MILL AND	N/A
TEX JE	30 s integrated exposure level (MEL30)	t it it it	N/A
n,	Warning for MEL ≥ 100 dB(A)	THE MILL MILL MILL.	N/A
10.6.4	Measurement methods	at at all left	N/A
10.6.5	Protection of persons	MULL MULL MULL MI	N/A
C. E.	Instructional safeguards	at at all a	N/A



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Clause	Requirement – Test	Result – Remark	Verdict	
10.6.6	Requirements for listening devices (headphones, earphones, etc.)	the risk state	N/A	
10.6.6.1	Corded listening devices with analogue input	me me m	N/A	
Life. NAL	Listening device input voltage (mV)	TEX STEX STEEL	N/A	
10.6.6.2	Corded listening devices with digital input	14 14 24 2	N/A	
MALTE	Max. acoustic output L _{Aeq,T} , dB(A)	TEX STER OUTER SON	N/A	
10.6.6.3	Cordless listening devices	70 70 7	N/A	
MALL	Max. acoustic output L _{Aeq,T} , dB(A):	t TEN SITE OUT	N/A	

В	NORMAL OPERATING CONDITION TESTS, ABNORMAL OPERATING CONDITION TESTS AND SINGLE FAULT CONDITION TESTS		un P
B.1	General Mark Mark Mark Mark Mark Mark Mark Mark		NITE P N
B.1.5	Temperature measurement conditions	(See appended table B.1.5)	Р
B.2	Normal operating conditions	et let let stet o	P.
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	P
Mr. A	Audio Amplifiers and equipment with audio amplifiers:	white must must must be	N/A
B.2.3	Supply voltage and tolerances	The Marin War.	00 P 0
B.2.5	Input test	(See appended table B.2.5)	ZO P
B.3	Simulated abnormal operating conditions		Р
B.3.1	General	(See appended table B.3)	E Pol
B.3.2	Covering of ventilation openings	No ventilation openings.	N/A
JEK .	Instructional safeguard	at let the tile	N/A
B.3.3	DC mains polarity test	Not supplied by D.C. mains	N/A
B.3.4	Setting of voltage selector	No such selector	N/A
B.3.5	Maximum load at output terminals	No such output terminals	N/A
B.3.6	Reverse battery polarity	No Reverse battery polarity	N/A
B.3.7	Audio amplifier abnormal operating conditions	(See appended table B.3)	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions:	All safeguards remained effective.	, MP
B.4	Simulated single fault conditions	let let let liter	P
B.4.1	General	mer mer mer m	Р
B.4.2	Temperature controlling device	THE THE THE STEE	N/A
B.4.3	Blocked motor test	(See appended table B.4)	Р
B.4.4	Functional insulation	See below.	Р
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.4)	P.L



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Clause	Requirement – Test	Result – Remark	Verdict
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	P
B.4.4.3	Short circuit of functional insulation on coated printed boards	No coated printed boards within the EUT	N/A
B.4.5	Short-circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.4)	Р
B.4.6	Short circuit or disconnection of passive components	(See appended table B.4)	Р
B.4.7	Continuous operation of components	The EUT is continuous operating type and no such components intended for short time operation or intermittent operation	N/A
B.4.8	Compliance during and after single fault conditions	No change to circuits classified in 5.3	ANTITE POS
B.4.9	Battery charging and discharging under single fault conditions	See annex M	TEK PIT
С	UV RADIATION		N/A
C.1	Protection of materials in equipment from UV radiation		N/A
C.1.2	Requirements	No such UV generated from the equipment.	N/A
C.1.3	Test method		N/A
C.2	UV light conditioning test	LIFE WITE MALLY MALLY	N/A
C.2.1	Test apparatus	and the second	N/A
C.2.2	Mounting of test samples	THE WALL WALL WALL WA	N/A
C.2.3	Carbon-arc light-exposure test	at at at a	N/A
C.2.4	Xenon-arc light-exposure test	WILL MULL MULL MULL	N/A
D	TEST GENERATORS		N/A
D.1	Impulse test generators	WELL MULL MULL MULL	N/A
D.2	Antenna interface test generator	It let tet tet	N/A
D.3	Electronic pulse generator	in mer mer mer a	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	NING AUDIO AMPLIFIERS	N/A
E.1	Electrical energy source classification for audi	o signals	N/A
NETER ON	Maximum non-clipped output power (W):	TEX TEX NITE ONLY	
4 0	Rated load impedance (Ω):	me me m	
ir Muri	Open-circuit output voltage (V)	TEX STEE WIFE WAITE	
t et	Instructional safeguard	24 24 X	_
E.2	Audio amplifier normal operating conditions	TEX PLIFE SIPLIFE SUPLIFE AND	N/A
all the	Audio signal source type:	3	<u> </u>
ال أنال	Audio output power (W)	LIFE OUT OF THE	



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Clause	Requirement – Test	Result – Remark	Verdict
- Chr	Audio output voltage (V):	the water water out and	10,
- CLTEX-1			
1/1, 2,	Rated load impedance (Ω):	mer, mer mer m	-
<u> </u>	Requirements for temperature measurement	The state of the state of	N/A
E.3	Audio amplifier abnormal operating conditions	Unit Mr. M.	N/A
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND INSTRUCTIONAL SAFEGUARDS		STEEL B
F.1	General	The Ar	↓ P _z
Mr. 1	Language	English	
F.2	Letter symbols and graphical symbols	a at at at	Р
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	WITEK
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		P
F.3.1	Equipment marking locations	The required marking is located on the enclosure of the equipment and is easily visible.	JALTE!
F.3.2	Equipment identification markings	See below for details.	P
F.3.2.1	Manufacturer identification	See copy of marking plate	J P
F.3.2.2	Model identification	See copy of marking plate	Р
F.3.3	Equipment rating markings	Not direct connection to the mains, it need not bemarked with any electrical rating	N/A
F.3.3.1	Equipment with direct connection to mains	of the text the	N/A
F.3.3.2	Equipment without direct connection to mains	WILL MULL MULL MILL	N/A
F.3.3.3	Nature of the supply voltage	it let let little	N/A
F.3.3.4	Rated voltage:	and any any	N/A
F.3.3.5	Rated frequency	- TEX STEX STEEL SOLI	N/A
F.3.3.6	Rated current or rated power	me me me	N/A
F.3.3.7	Equipment with multiple supply connections	TEX LIEX SLIER WITE	N/A
F.3.4	Voltage setting device	No voltage setting device.	N/A
F.3.5	Terminals and operating devices	TEX SITEX MITE MITE	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings	et tet tret stet at	N/A
F.3.5.2	Switch position identification marking	The Mr. M. L.	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
The .	The state of the state of	E WILL WILL AND MY	201
F.3.5.3	Replacement fuse identification and rating markings	TEX STEX STEX NUT	N/A
	Instructional safeguards for neutral fuse:	THE THE ME	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	TER STEEL WITER MITE IN	N/A
F.3.6	Equipment markings related to equipment classification	Class III equipment	N/A
F.3.6.1	Class I equipment	me me me	N/A
F.3.6.1.1	Protective earthing conductor terminal	THE STEE STEE WIFE	N/A
F.3.6.1.2	Protective bonding conductor terminals:	m m m	N/A
F.3.6.2	Equipment class marking:	TER STER WITER WITER	N/A
F.3.6.3	Functional earthing terminal marking:	20, 20,	_N/A
F.3.7	Equipment IP rating marking	EX STER WITE WITE ON	N/A
F.3.8	External power supply output marking:	20, 20, 24	N/A
F.3.9	Durability, legibility and permanence of marking	Marking is considered to be legible and easily discernible. See also the following details.	P
F.3.10	Test for permanence of markings	The label was subjected to thepermanence of marking test. Thelabel was rubbed with cloth soakedwith water for 15 sec. And thenagain for 15 sec, with the clothsoaked with petroleum spirit. After this test there was nodamage to the label. The markingon the label did not fade. Therewas no curling and lifting of thelabel edge. After each test, the markingremained legible.	P NLIE V
F.4	Instructions	THE STEEL STEEL STEELS	P
-	a) Information prior to installation and initial use	See user manual	Р
MULLY M	b) Equipment for use in locations where children not likely to be present	White white white whi	N/A
CLIFF IN	c) Instructions for installation and interconnection	it let the the	N/A
r tet te	d) Equipment intended for use only in restricted access area	Mer Aug Mer Aug	N/A
" nh.	e) Equipment intended to be fastened in place	THE WALL MALL MULE	N/A
y JEH	f) Instructions for audio equipment terminals	at the fifth	N/A
20,	g) Protective earthing used as a safeguard	MULL MULL MILL MI	N/A
.6	h) Protective conductor current exceeding ES2	1 1 1 1	N/A

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Clause	Requirement – Test	Result – Remark	Verdict
21/2		TEN WILL MULL ONLY	100 011
	i) Graphic symbols used on equipment		N/A
m, n	j) Permanently connected equipment not provided with all-pole mains switch	MULLE MULLE MULL AND	N/A
	k) Replaceable components or modules providing safeguard function	INLIER WILLER WILLER WHITE	N/A
EX STE	Equipment containing insulating liquid	IN THE TEN STEP	N/A
10,	m) Installation instructions for outdoor equipment	in my my m	N/A
F.5	Instructional safeguards	of let the the	N/A
G	COMPONENTS		Р
G.1	Switches	TEX TEX STEE ON	N/A
G.1.1	General	No switch used	N/A
G.1.2	Ratings, endurance, spacing, maximum load	TEX STEX STEE SOUTH	N/A
G.1.3	Test method and compliance	I M M M	N/A
G.2	Relays	TER STER WITE SUITE	N/A
G.2.1	Requirements	No relay used.	N/A
G.2.2	Overload test	CLIEB WILL WILL W	N/A
G.2.3	Relay controlling connectors supplying power to other equipment	At July Mil	N/A
G.2.4	Test method and compliance	7 1 1 1	N/A
G.3	Protective devices	LIER ALTE MALIE MALTE	War Bi
G.3.1	Thermal cut-offs	No such component	N/A
ALT.	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	White white white	N/A
Write M	Thermal cut-outs tested as part of the equipment as indicated in c)	WILLER WALLER WALLER WAL	N/A
G.3.1.2	Test method and compliance	at at the off	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	ist miset whilet	N/A
TEK	b) Thermal links tested as part of the equipment	at the set	N/A
G.3.2.2	Test method and compliance	White white me w	N/A
G.3.3	PTC thermistors	Approved PTC used, see table 4.1.2.	ET P
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	LIER WHITE WHITE WHITE	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	FEX WHITE WHITE WHITE	N/A
G.3.5.2	Single faults conditions:	at the set of	N/A



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2/1	3 x x x	EN IEC 62368-1	211 211
Clause	Requirement – Test	Result – Remark	Verdict

Clause	Requirement – Test	Result – Remark	verdict
- w	M. M. Tet the Miles	ter write white white h	V. 711.
G.4	Connectors		N/A
G.4.1	Spacings	No such component	N/A
G.4.2	Mains connector configuration	L d d d	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	Mills While while while	N/A
G.5	Wound components	TEX STER OUTER MITE.	N/A
G.5.1	Wire insulation in wound components	No such component	N/A
G.5.1.2	Protection against mechanical stress	the STER WITE WITE M	N/A
G.5.2	Endurance test	70 7 7	N/A
G.5.2.1	General test requirements	WILL MULE WHILL MUSE	N/A
G.5.2.2	Heat run test	and the set	N/A
	Test time (days per cycle)	WIEL WILL MALL WALL	- I
it liet	Test temperature (°C)	a at at at	_
G.5.2.3	Wound components supplied from the mains	white and and	N/A
G.5.2.4	No insulation breakdown	at the the	N/A
G.5.3	Transformers	Wei aug Aug Aug	N/A
G.5.3.1	Compliance method:	LET STEEL STEEL	N/A
	Position	-1 24 24	N/A
ier antie	Method of protection	THE ITE STITE OUTER	N/A
G.5.3.2	Insulation - Insul	747 741 741	N/A
MITTER	Protection from displacement of windings:	EX LIET ALTER WITE AN	, i
G.5.3.3	Transformer overload tests	747 747 74	N/A
G.5.3.3.1	Test conditions	LITER OLITE MITE WAS	N/A
G.5.3.3.2	Winding temperatures	711 72 X	N/A
G.5.3.3.3	Winding temperatures - alternative test method	ALTER MITE MALTE MALTE	N/A
G.5.3.4	Transformers using FIW		N/A
G.5.3.4.1	General	TER MILIE MILITE WALL .	N/A
TEK	FIW wire nominal diameter:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_
G.5.3.4.2	Transformers with basic insulation only	write white with the	N/A
G.5.3.4.3	Transformers with double insulation or reinforced insulation:	STEE WITE MALTER SUNT	N/A
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	Tek street street species	N/A
G.5.3.4.5	Thermal cycling test and compliance	10. 10.	N/A
G.5.3.4.6	Partial discharge test	EX SLIER WIFE WITE IN	N/A
G.5.3.4.7	Routine test	10 10	N/A
G.5.4	Motors	THE STATE OF THE STATE	J P



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	EN IEC 62368-		1.4
Clause	Requirement – Test	Result – Remark	Verdict
G.5.4.1	General requirements	the mer me	Р
G.5.4.1	Motor overload test conditions	11th 11th 15th	N/A
G.5.4.3	Running overload test	AUCT, AUCT, MU.	N/A
G.5.4.4.2	Locked-rotor overload test	THE THE WITH I	N/A
U.U.4.4.2	Test duration (days):	ar my my	IN/A
G.5.4.5	Running overload test for DC motors	TEX STER NITER SINT	N/A
G.5.4.5.2	Tested in the unit		N/A
G.5.4.5.2	Alternative method	L LIFE MITTER	N/A
G.5.4.6	Locked-rotor overload test for DC motors	7/1, 2/2, 2,	N/A
G.5.4.6.2	Tested in the unit	WILL NUTER WHILE	N/A
C.O.T.O.Z	Maximum Temperature:	a a a	N/A
G.5.4.6.3	Alternative method	Life Write Mrite And	P
G.5.4.7	Motors with capacitors	at the site of	N/A
G.5.4.8	Three-phase motors	and the mill wint	N/A
G.5.4.9	Series motors	At the state	N/A
3.0	Operating voltage:	Will Mill Miles	70
G.6	Wire Insulation	AT STEET	N/A
G.6.1	General	Only ES1 existed	N/A
G.6.2	Enamelled winding wire insulation	TE TE OUT OUT	N/A
G.7	Mains supply cords	1 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/	N/A
G.7.1	General requirements	No such component	N/A
et .	Type::	4 2 1	
G.7.2	Cross sectional area (mm² or AWG):	CRIET WILLES	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	LIER SLIER WILLER	N/A
G.7.3.2	Cord strain relief		A N/A
G.7.3.2.1	Requirements	TEL WITE WHITE WALL	N/A
TEK	Strain relief test force (N)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
G.7.3.2.2	Strain relief mechanism failure	MALIE WALLE WALLE	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	at at at	N/A
G.7.3.2.4	Strain relief and cord anchorage material	WHILE MUTTE MUTTER	N/A
G.7.4	Cord Entry	at the set of	N/A
G.7.5	Non-detachable cord bend protection	it, Aur, Aur, Au,	N/A
G.7.5.1	Requirements	of the text of	N/A
G.7.5.2	Test method and compliance	100 110 110	N/A



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- 20.	EN IEC 62368-	The contraction	20, 0,
Clause	Requirement – Test	Result – Remark	Verdict
- dh-	Overall diameter or minor overall dimension, D	Multi Muri Mur	W. W.
	(mm)	TER STER STER	METE -
T	Radius of curvature after test (mm):	Mur Mu An .	_
G.7.6	Supply wiring space	TEX LIEX SLIER ON	N/A
G.7.6.1	General requirements	the an an	N/A
G.7.6.2	Stranded wire	TEK SLIEK WLIER WALT	N/A
G.7.6.2.1	Requirements	70 T.	N/A
G.7.6.2.2	Test with 8 mm strand	ALTER MALTE MALTE	N/A
G.8	Varistors	The state of	N/A
G.8.1	General requirements	No such component	N/A
G.8.2	Safeguards against fire	e et et	N/A
G.8.2.1	General	TIE MUIL MILL MU	N/A
G.8.2.2	Varistor overload test	at at at a	N/A
G.8.2.3	Temporary overvoltage test	WALL MAL MAL	N/A
G.9	Integrated circuit (IC) current limiters		N/A
G.9.1	Requirements	No such component	N/A
	IC limiter output current (max. 5A)	THE STEEL S	UEE -
	Manufacturers' defined drift:	2 /4 20	_
G.9.2	Test Program	The I'm Sille Mil	N/A
G.9.3	Compliance	111 111 11	N/A
G.10	Resistors	EX STEX STEE SOUTH	N/A
G.10.1	General	No such component	N/A
G.10.2	Conditioning	ALTER MITER MALTER A	N/A
G.10.3	Resistor test	20 20 7	N/A
G.10.4	Voltage surge test	SLIEF INLIE WALL WAS	N/A
G.10.5	Impulse test		N/A
G.10.6	Overload test	TER MALTE WALL WALL	N/A
G.11	Capacitors and RC units	e at at at	N/A
G.11.1	General requirements	No such component	N/A
G.11.2	Conditioning of capacitors and RC units	it it it	N/A
G.11.3	Rules for selecting capacitors	Will Mer Mer M	N/A
G.12	Optocouplers	at let let is	N/A
t iter	Optocouplers comply with IEC 60747-5-5 with specifics	No such component	N/A
m.	Type test voltage V _{ini,a}	WALLE WALL WALL	1/L -
All The State of t	Routine test voltage, V _{ini, b} :	at at at	. E



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

Giadoo	all the till	Et JEET VEGE VEGE VE	100
G.13	Printed boards	20, 20, 20, 20, 20, 20, 20, 20, 20, 20,	P
G.13.1	General requirements	Only need to comply with functional insulation, see only B.4.4.	JIP P
G.13.2	Uncoated printed boards	UTIL MUTIL MUTICALITY	N/A
G.13.3	Coated printed boards	at all tell tell	N/A
G.13.4	Insulation between conductors on the same inner surface	Mary Mary Mary	N/A
G.13.5	Insulation between conductors on different surfaces	MULTE MILL MILL AND	N/A
ner un	Distance through insulation	ALTER MILE WALLE	N/A
et e	Number of insulation layers (pcs)	an a st st	_
G.13.6	Tests on coated printed boards	LIFE WILLE WILL MILL	N/A
G.13.6.1	Sample preparation and preliminary inspection	and the state of t	N/A
G.13.6.2	Test method and compliance	the write many with my	N/A
G.14	Coating on components terminals	L st set set st	N/A
G.14.1	Requirements	anti mit mit mit	N/A
G.15	Pressurized liquid filled components	TEL STEE	N/A
G.15.1	Requirements	No such component	N/A
G.15.2	Test methods and compliance	The Little	N/A
G.15.2.1	Hydrostatic pressure test	The Marie Marie Marie A	N/A
G.15.2.2	Creep resistance test	of the title alter out	N/A
G.15.2.3	Tubing and fittings compatibility test	Mr. Mr. Mr. M.	N/A
G.15.2.4	Vibration test	THE LIFE NITE WITE	N/A
G.15.2.5	Thermal cycling test	44. 44. 49. 4.	N/A
G.15.2.6	Force test	THE LITER RULE WITE	N/A
G.15.3	Compliance	1 2h 2 3	N/A
G.16	IC including capacitor discharge function (ICX)	TEN STEEL WITE WHITE W	N/A
G.16.1	Condition for fault tested is not required	No such component	N/A
Mrs. M	ICX with associated circuitry tested in equipment	CITE INITE WILL WAS	N/A
At C	ICX tested separately	a at at all	N/A
G.16.2	Tests	WILL MULL MULL MULL	N/A
IEK WALTE	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	TEX STEEL MITER WHITER	_
L WALTER	Mains voltage that impulses to be superimposed on	et itet istet ostet ist	_
	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test	The the the Th	_

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EN IEC 62368-1			an an
Clause	Requirement – Test	Result – Remark	Verdict
G.16.3	Capacitor discharge test	the sure was an	N/A
Н	CRITERIA FOR TELEPHONE RINGING SIGNAL	S	N/A
H.1	General	70' V	N/A
H.2	Method A	ALTER MITER MILIER WHITE	N/A
H.3	Method B	W ST AT AT	N/A
H.3.1	Ringing signal	No telephone ringing signal generated within the equipment.	N/A
H.3.1.1	Frequency (Hz):	Mur My My My	_
H.3.1.2	Voltage (V):	TEX TEX STEE SUIT	<u> </u>
H.3.1.3	Cadence; time (s) and voltage (V):	min min min and	_
H.3.1.4	Single fault current (mA)::	TEX TEX STEX SHIPE	. –
H.3.2	Tripping device and monitoring voltage		N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	EE WALTER WALTER WALTER W	N/A
H.3.2.2	Tripping device	TEX TEX NITE ON	N/A
H.3.2.3	Monitoring voltage (V)	711 711 71	N/A
J	INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION		N/A
J.1	General	THE THE STATE STATE	N/A
	Winding wire insulation:	y my my my	
MITE	Solid round winding wire, diameter (mm):	A TEN LIFE WITER ON	N/A
SLIEK I	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²):	at alt alt sa	N/A
J.2/J.3	Tests and Manufacturing	mer me me m	
K	SAFETY INTERLOCKS		N/A
K.1	General requirements	no me m	N/A
MULL	Instructional safeguard:	No safety interlock provided within the equipment.	N/A
K.2	Components of safety interlock safeguard med	hanism	N/A
K.3	Inadvertent change of operating mode	me me me	N/A
K.4	Interlock safeguard override	THE LITER MITTER WITE	N/A
K.5	Fail-safe	Mr. M. M.	N/A
K.5.1	Under single fault condition	TEX STEEL WITER SINTE.	N/A
K.6	Mechanically operated safety interlocks	40 m	N/A
K.6.1	Endurance requirement	EX STEE WITE WITE WITE W	N/A
K.6.2	Test method and compliance:	To the state of	N/A
K.7	Interlock circuit isolation	ALTER MITE APLICATE	N/A

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01	EN IEC 62368-	2, 41, 72, 2	
Clause	Requirement – Test	Result – Remark	Verdict
K.7.1	Separation distance for contact gaps & interlock circuit elements	White wall and all	N/A
THE T	In circuit connected to mains, separation distance for contact gaps (mm)	white the text text	N/A
	In circuit isolated from mains, separation distance for contact gaps (mm)	inite main man man	N/A
nu.	Electric strength test before and after the test of K.7.2	THE WALLE WHILE WALL W	N/A
K.7.2	Overload test, Current (A)	t tiet stiet wife wi	N/A
K.7.3	Endurance test	411 411 41	N/A
K.7.4	Electric strength test	LIFE MITE WALLE WALL	N/A
L	DISCONNECT DEVICES		N/A
L.1 4	General requirements	LIFE WITE WITE WITE	N/A
L.2	Permanently connected equipment	e at at	N/A
L.3	Parts that remain energized	ET INITE WILL WILL WI	N/A
L.4	Single-phase equipment	A St. St. St.	N/A
L.5	Three-phase equipment	White Marie Mar Mar	N/A
L.6	Switches as disconnect devices	A TEN STEN	N/A
L.7	Plugs as disconnect devices	The sure sure	N/A
L.8	Multiple power sources	The lift	N/A
200	Instructional safeguard	The Man Man and a	N/A
М	EQUIPMENT CONTAINING BATTERIES AND TH	HEIR PROTECTION CIRCUITS	Р
M.1	General requirements	my my my	Р
M.2	Safety of batteries and their cells	· THE STEE STEE SOUTH	P
M.2.1	Batteries and their cells comply with relevant IEC standards	Approved battery pack used	, UTP
М.3	Protection circuits for batteries provided within the equipment	ne who who will	Р
M.3.1	Requirements	it will mile me m	Р
M.3.2	Test method	L of the set of	P
2017 - 1	Overcharging of a rechargeable battery	(See appended table AnnexM)	Р
iner an	Excessive discharging	(See appended table AnnexM)	₩. b
White's	Unintentional charging of a non-rechargeable battery	TEX MULTER MULTER WHITE	N/A
	Reverse charging of a rechargeable battery	Built-in battery used, reverse charging is prevented	N/A



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	EN IEC 62368-	27 14 14 14 14	Y
Clause	Requirement – Test	Result – Remark	Verdict
an.	All the state of	Et Will WILL MU	211
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	L PALLER
M.4	Additional safeguards for equipment containing lithium battery	g a portable secondary	P
M.4.1	General	in mur, mur, mur, m	Р
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.	PIE MITEL
M.4.2.1	Requirements	EX STEE WITE WITE W	Р
M.4.2.2	Compliance	(See appended table M.4.2)	← P
M.4.3	Fire enclosure	Only PS1 circuit , no fire enclosures or barriers required	N/A
M.4.4	Drop test of equipment containing a secondary lithium battery	THE WALTER WALTER	unii P
M.4.4.2	Preparation and procedure for the drop test	THE THE	LITE 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.	P
M.4.4.5	Charge / discharge cycle test	No fire, explosion and any electrolyte leakage	P
M.4.4.6	Compliance	WELL MUET AND AND	Р
M.5	Risk of burn due to short-circuit during carrying	9th Tet Tet Tet	TE PAI
M.5.1	Requirement	No bare conductive terminal used	P
M.5.2	Test method and compliance	MULL MULL MULL MULL	N/A
M.6	Safeguards against short-circuits		ďΡ
M.6.1	External and internal faults	MULL MULL MULL MILL	N/A
M.6.2	Compliance	The battery complied with IEC/EN 62133-2 which considered the internal fault tests. No such explosion or fire likely to result from short circuits.	Part Part
M.7	Risk of explosion from lead acid and NiCd batte	eries	N/A



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70.	EN IEC 62368-	KIN THE THE THE THE	20, 20
Clause	Requirement – Test	Result – Remark	Verdict
M 7.4	W. C.	Er Will Mary Mar W	N1/0
M.7.1	Ventilation preventing explosive gas concentration	No such battery used	N/A
	Calculated hydrogen generation rate:	me m. m.	N/A
M.7.2	Test method and compliance	THE LIER MITTER WITE	N/A
A 0	Minimum air flow rate, Q (m³/h)	The Mr. Mr. M.	N/A
M.7.3	Ventilation tests	THE STEEL WITHER MITTER AN	N/A
M.7.3.1	General	n n	N/A
M.7.3.2	Ventilation test – alternative 1	A STEEL WILL WATER WATER MAILE	N/A
At .	Hydrogen gas concentration (%)	10 T A B	N/A
M.7.3.3	Ventilation test – alternative 2	OLITER WILL MILL MALL	N/A
18 18	Obtained hydrogen generation rate:	The state of the	N/A
M.7.3.4	Ventilation test – alternative 3	LITE WALL WALL WALL	N/A
TEX	Hydrogen gas concentration (%)	a at all all	N/A
M.7.4	Marking:	e write with any an	N/A
M.8	Protection against internal ignition from extern with aqueous electrolyte	al spark sources of batteries	N/A
M.8.1	General	The state of the s	N/A
M.8.2	Test method	Muli muli	N/A
M.8.2.1	General	- 1 to 1.00	N/A
M.8.2.2	Estimation of hypothetical volume V _Z (m ³ /s):	THE WHITE WALL WALL A	10 TI
M.8.2.3	Correction factors:	L of the tell .	10th -3
M.8.2.4	Calculation of distance d (mm)	Were Mer Me My	- 200
M.9	Preventing electrolyte spillage	et tet tet ste	N/A
M.9.1	Protection from electrolyte spillage	MULL MILL MILL MILL	N/A
M.9.2	Tray for preventing electrolyte spillage	TEN TEN TEN STEEL	N/A
M.10	Instructions to prevent reasonably foreseeable misuse	nt whi will the	N/A
111	Instructional safeguard	The Maria Maria Maria	N/A
N STEE	ELECTROCHEMICAL POTENTIALS	the text of the second	N/A
20, 1	Material(s) used:	Mr. Mr. Mr. M.	2,-
0.10	MEASUREMENT OF CREEPAGE DISTANCES A	AND CLEARANCES	N/A
	Value of <i>X</i> (mm):		
P	SAFEGUARDS AGAINST CONDUCTIVE OBJECT	TS JE JE ME	N/A
P.1	General	Only PS1	N/A
P.2	Safeguards against entry or consequences of e	entry of a foreign object	N/A
P.2.1	General	100 100	N/A
P.2.2	Safeguards against entry of a foreign object	TET STET STEE SKI	N/A



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
The .	Mr. Mr. St. Co. Co. Co. Co. Co. Co. Co. Co. Co. Co	ER WILL MILL AND A	10 24
et	Location and Dimensions (mm)	No opening.	et to
P.2.3	Safeguards against the consequences of entry of a foreign object	MULTE WALL MALL MALL	N/A
P.2.3.1	Safeguard requirements	TEX STEX OUTEN SOUTH	N/A
EK WITE	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment	at the text offer	N/A
- Cler	Transportable equipment with metalized plastic parts	the state of	N/A
P.2.3.2	Consequence of entry test:	antic many many m	N/A
P.3	Safeguards against spillage of internal liquids	at at at a	N/A
P.3.1	General	No such liquids.	N/A
P.3.2	Determination of spillage consequences	at let let let	N/A
P.3.3	Spillage safeguards	the men men me	N/A
P.3.4	Compliance	et ret ret uter	N/A
P.4	Metallized coatings and adhesives securing pa	rts all all all all all all all all all al	N/A
P.4.1	General	No such construction.	N/A
P.4.2	Tests	Mr. In In	N/A
NITES IN	Conditioning, T _C (°C):	At The Mile Mile	anti-
	Duration (weeks):		<i></i>
Q d	CIRCUITS INTENDED FOR INTERCONNECTION		N/A
Q.1	Limited power sources	The state of	N/A
Q.1.1	Requirements	et outer white white w	N/A
, Et	a) Inherently limited output	a state	N/A
ang an	b) Impedance limited output	militia White White Whi	N/A
. 18 th - 1	c) Regulating network limited output	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
21/2	d) Overcurrent protective device limited output	NITE WALL WALL WALL	N/A
EK JIEK	e) IC current limiter complying with G.9	at the left that	N/A
Q.1.2	Test method and compliance:	Mury Aury Aury	N/A
MALTER	Current rating of overcurrent protective device (A)	- NITER MITER MATER AN	N/A
Q.2	Test for external circuits – paired conductor cable	TIEK BLIEK MITEK	N/A
et a	Maximum output current (A):	M. A. The	N/A
r, Mur	Current limiting method	LIER WITE WALLE WALL	2/12 -1
R 👉	LIMITED SHORT CIRCUIT TEST	a de de	N/A
R.1	General	No such consideration.	N/A
R.2	Test setup	1 1	N/A



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Clause	EN IEC 62368-1	Vord: -t
Clause	Requirement – Test Result – Remark	Verdict
	Overcurrent protective device for test:	t
R.3	Test method	N/A
at .	Cord/cable used for test	14
R.4	Compliance	N/A
St Joh	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
MUT.	Samples, material:	11/2
TEL	Wall thickness (mm):	4 ,4
100 10	Conditioning (°C)	2115
LIEK WALT	Test flame according to IEC 60695-11-5 with conditions as set out	N/A
H JEH	- Material not consumed completely	N/A
Me	- Material extinguishes within 30s	N/A
JEH	- No burning of layer or wrapping tissue	N/A
S.2	Flammability test for fire enclosure and fire barrier integrity	N/A
STEK N	Samples, material:	- LIEN
1. 20	Wall thickness (mm):	1, -
SER WILLE	Conditioning (°C)	NITER - 11
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
الله سياران	Mounting of samples:	an Line
+	Wall thickness (mm):	15
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
LIER	Samples, material	The Carlo
2, ,	Wall thickness (mm)	4, -
OLIES UP	Conditioning (°C)	N/CTE
T _	MECHANICAL STRENGTH TESTS	Р
T.1 000	General	P
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



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100	EN IEC 62368-	the me me	25. 1)
Clause	Requirement – Test	Result – Remark	Verdict
- sur	The state of the s	the write mary one w	201
T.6	Enclosure impact test		N/A
me a	Fall test	WILL MILL MULL MULL	N/A
All X	Swing test	a at at all	N/A
T.7	Drop test:	(See appended table T.7)	Р
T.8	Stress relief test:	at let let like	N/A
T.9	Glass Impact Test:	No such glass	N/A
T.10	Glass fragmentation test		N/A
, L	Number of particles counted:	No such glass	N/A
T.11	Test for telescoping or rod antennas	THE STEE OUT OF THE	N/A
LIEK WIL	Torque value (Nm):	No such antennas provided within the equipment.	N/A
U	MECHANICAL STRENGTH OF CATHODE RAY I PROTECTION AGAINST THE EFFECTS OF IMPL		N/A
U.1	General	it with mer and a	N/A
WILLER	Instructional safeguard:	No CRT provided within the equipment.	N/A
U.2	Test method and compliance for non-intrinsically protected CRTs		N/A
U.3	Protective screen		N/A
V ^L J ^C	DETERMINATION OF ACCESSIBLE PARTS		N/A
V.1	Accessible parts of equipment	The Muri Aug Aug Aug	N/A
V.1.1	General	of the title with a	N/A
V.1.2	Surfaces and openings tested with jointed test probes	where were the can	N/A
V.1.3	Openings tested with straight unjointed test probes	WILL MULL MULL MULL	N/A
V.1.4	Plugs, jacks, connectors tested with blunt probe	at let let let	N/A
V.1.5	Slot openings tested with wedge probe	WILL MUE MUE ME	N/A
V.1.6	Terminals tested with rigid test wire	et set set set	N/A
V.2	Accessible part criterion	The Marian Maria	N/A
X	ALTERNATIVE METHOD FOR DETERMINING CLEARANCES FOR INSULATION IN CIRCUITS CONNECTED TO AN AC MAINS NOT EXCEEDING 420 V PEAK (300 V RMS)		N/A
incia air	Clearance:	SLIER MITER SPITE WALLE	N/A
Y	CONSTRUCTION REQUIREMENTS FOR OUTDOOR ENCLOSURES		N/A
Y.1	General	Indoor equipment	N/A
Y.2	Resistance to UV radiation	1 1 1 1	N/A
Y.3	Resistance to corrosion	ter antie mutil mutil m	N/A
Y.3	Resistance to corrosion	4 4 1	N/A



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1,	EN IEC 62368-	the mer when an	. 20 de.
Clause	Requirement – Test	Result – Remark	Verdict
Y.3.1	Metallic parts of outdoor enclosures are resistant	the sure of the	N/A
T.O. TER	to effects of water-borne contaminants by	LEK TEK TEK	
Y.3.2	Test apparatus	Mr. Mr. Mr.	N/A
Y.3.3	Water – saturated sulphur dioxide atmosphere	TEL TEL STEEL	N/A
Y.3.4	Test procedure:	in in in	N/A
Y.3.5	Compliance	TEX SLIER WITER WITE	N/A
Y.4	Gaskets	20, 20, 2	N/A
Y.4.1	General	the parties and the parties	N/A
Y.4.2	Gasket tests	20 J. J.	N/A
Y.4.3	Tensile strength and elongation tests	INLIER MALIE MALIE	N/A
Let S	Alternative test methods:	The state of	N/A
Y.4.4	Compression test	WITER WALL WALL W	N/A
Y.4.5	Oil resistance	a at at a	N/A
Y.4.6	Securing means	in while mure mure	N/A
Y.5	Protection of equipment within an outdoor enclo	osure	N/A
Y.5.1	General	wer mer mer	N/A
Y.5.2	Protection from moisture	it it	N/A
	Relevant tests of IEC 60529 or Y.5.3:		N/A
Y.5.3	Water spray test		N/A
Y.5.4	Protection from plants and vermin	in the the the	N/A
Y.5.5	Protection from excessive dust	est citest outs	N/A
Y.5.5.1	General	Mr. M. W.	N/A
Y.5.5.2	IP5X equipment	LIEF RUTER INCHES	N/A
Y.5.5.3	IP6X equipment	m m m	N/A
Y.6	Mechanical strength of enclosures	LIFE NITER MALTER AND	N/A
Y.6.1	General		N/A
Y.6.2	Impact test:	TER SLIFE WITE WILL	N/A



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

ATTACHMENT TO TEST REPORT

IEC 62368-1

EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

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

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

Attachment Form No.....: EU_GD_IEC62368_1E

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

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

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	CENELEC COMMON MODIFICATIONS (EN)	THE MUTTE WITH WITH MY	Р
Whitek 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
EL WALTE	Add the following annexes: Annex ZA (normative)Normative references to interr corresponding European publications Annex ZB (normative)Special national conditions Annex ZC (informative)A-deviations Annex ZD (informative)IEC and CENELEC code des	LIE WHITE WHITE WAY	EX JIN
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 III	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. $E = \int_{0}^{T} p(t)^2 \mathrm{d}t$	TEX STEX STEX SOLIES	N/A



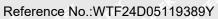
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700	EN IEC 62368-	in the the Mr.	10. 10.
Clause	Requirement – Test	Result – Remark	Verdict
- shr	W W THE ST	the write while our tr	Mrs. Mrs.
3.3.19.4	sound exposure level, SEL logarithmic measure of sound exposure relative to a reference value, E_0 , typically the 1 kHz threshold of hearing in humans.	MILIER WHITER WHITER	N/A
	Note 1 to entry: SEL is measured as A-weighted levels in dB.	STER MILITER MILITER WIN	
	$SEL = 10 \lg \left(\frac{E}{E_0}\right) dB$	tet itet viet	MAN MILE
WILLER OR	Note 2 to entry: See B.4 of EN 50332-3:2017 for additional information.	WILL WAS MINE	or wifek
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	TEX WALTER WALTER WALTER	N/A
2	may reach +3,01 dBFS. Modification to Clause 10	7 45	N/A
10.6	Safeguards against acoustic energy sources Replace 10.6 of IEC 62368-1 with the following:		N/A
		r. aler ale ale	
10.6.1.1	Introduction Safeguard requirements for protection against long-term exposure to excessive sound pressurelevels from personal music players closely coupled to the ear are specified below. Requirements for earphones and headphones intended for use with personal music players are also covered. A personal music player is a portable equipment intended for use by an ordinary person, that:	Whitek wh	N/A
	is designed to allow the user to listen to audio or	any me an	10.
	 audiovisual content / material; and uses a listening device, such as headphones or earphones that can be worn in or on or around the ears; and has a player that can be body worn (of a size suitable to be carried in a clothing pocket) and is intended for the user to walk around with while in continuous use (for example, on a street, in a subway, at an airport, etc.). EXAMPLES Portable CD players, MP3 audio players, mobile 	Whitek whitek whitek w	White Whitek



Olamon	EN IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
Mrs	requirements of either 10.6.2 or 10.6.3.	I WALL MALL MALL	Wer and
TEX	with the way of the	at at at	TEK TEK
mr m	NOTE 1 Protection against acoustic energy sources from telecom applications is referenced to ITU-T P.360.	MULLE MULLE MULL A	L. Mr. 2
NITER WITE	NOTE 2 It is the intention of the Committee to allow the alternative methods for now, but to only use the dose measurement method as given in 10.6.5 in future. Therefore, manufacturers are encouraged to implement 10.6.5 as soon as possible.	EX TEX TEX VICTER VIVE	ies white mai
- TEX	Listening devices sold separately shall comply with the requirements of 10.6.6.	Aut Mus an	TE TEX
AND A	These requirements are valid for music or video mode only.	MULTER WHITE WHITE	
MULTER ON	The requirements do not apply to: – professional equipment;	MILIER WHITER WHITER W	ries Murie M
LIEK WILLE	NOTE 3Professional equipment is equipment sold through special sales channels. All products sold throughnormal electronics stores are considered not to be professional equipment.	TEX WHITEK WHITEK WHIT	ek on tek onet
Whitek	 hearing aid equipment and other devices for assistive listening; the following type of analogue personal music 	TEX STEX STEX	WILL MULTER
	players: • long distance radio receiver (for example, a multiband radio receiver or world band radio receiver, an AM radio receiver), and • cassette player/recorder;	une with an with the same of t	TEX DITEX NO
y while	NOTE 4 This exemption has been allowed because this technology is falling out of use and it is expected that within a few years it will no longer exist. This exemption will not be extended to other technologies.	The white white white	White mutter
	 a player while connected to an external amplifier that does not allow the user to walk around while in use. 	MUTER MUTER MUTER	STEEL WHITELE ON
strek whi	For equipment that is clearly designed or intended primarily for use by children, the limits of the relevant toy standards may apply.	LIER WHITER WHITER WHITE	ek witer wit
	The relevant requirements are given in EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	Test lifes whe	WITE WALTER
10.6.1.2	Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz	THE THE THE	N/A
TEX WHITE MILIER	The amount of non-ionizing radiation is regulated by European Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz). For intentional radiators, ICNIRP guidelines should be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (up to 300 GHz). For hand-	MULL MILL MULL	WALTER WALTER



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In The	The same of the E	EN IEC 62368-1	mer me
Clause	Requirement – Test	Result – Remark	Verdict

	drawn to EN 50360 and EN 50566.	10. 1	Jt. Jt.
10.6.2	Classification of devices without the capacity to	estimate sound dose	N/A
10.6.2 10.6.2.1	General This standard is transitioning from short-term based (30 s) requirements to long-term based (40 hour) requirements. These clauses remain in effect only for devices that do not comply with sound dose estimation as stipulated in EN 50332-3. For classifying the acoustic output <i>L</i> _{Aeq} , τ, measurements are based on the A-weighted equivalent sound pressure level over a 30 s period. For music where the average sound pressure (long term <i>L</i> _{Aeq} , τ) measured over the duration of the song is lower than the average produced by the programme simulation noise, measurements may be done over the duration of the complete song. In this case, <i>T</i> becomes the duration of the song.	Not such equipment	N/A
	NOTE Classical music, acoustic music and broadcast typically has an average sound pressure (long term $L_{Aeq,7}$) 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.	white whitek whitek	WATER WATE
10.6.2.2	RS1 limits (to be superseded, see 10.6.3.2) RS1 is a class 1 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the LAeq, racoustic 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	INTER WALTER WAL	I W N/A I LIET WINTER WINTER



EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
Mer		TER MILIE WILL MILL	Wer and
10.6.2.3	RS2 limits (to be superseded, see 10.6.3.3)	1 1	N/A

Clause	Requirement – Test	Result – Remark	verdict
alle.	an an a tel te	The will will.	are an
10.6.2.3	RS2 limits (to be superseded, see 10.6.3.3)	411. 25.	N/A
	in the say in the	TEX STEX STER OF	Tite William
	RS2 is a class 2 acoustic energy source that does	me me in in	
	not exceed the following:	at at at a	Ell JEER
	 for equipment provided as a package (player with its listening device), and with a proprietary 	LIFE WILL WALL WALL	2/2 2/
	connector between the player and its listening	30	
	device, or when the combination of player and	EX TEX STEX SITES	المال الأنام
	listening device is known by other means such as	Mr. Mr. M.	20,
	setting or automatic 130 detection, the $LAeq, \tau$	L A A	16 16
	acoustic output shall be ≤ 100 dB(A) when playing	LIEN WITE WILL S	NE ME
	the fixed "programme simulation noise" as	21/2 24 24	4 1
	described in EN 50332-1. – for equipment provided with a standardized	at let let i	TET STEE
	connector (for example, a 3,5 phone jack) that	WILL MULL WALL MA	62
	allows connection to a listening device for general		* Let
	use, the unweighted r.m.s. output voltage shall be	TELL STEEL STEEL SOUTH	an co
	≤ 150 mV (analogue interface) or -10 dBFS (digital	21/2 21, 20	
	interface) when playing the fixed "programme	t it let let	J. J. J.
" My	simulation noise" as described in EN 50332-1.	all the whole like.	The This
10.6.2.4	RS3 limits	1 1 1	N/A
	RS3 is a class 3 acoustic energy source that exceeds RS2 limits.	STEEL STEEL STATE OF	VII. WILL
		41. 21. 2	A
10.6.3	Classification of devices (new)	At A STATE OF	N/A
10.6.3.1	General	Not such equipment	N/A
	Previous limits (10.6.2) created abundant false		THE A
	negative and false positive PMP sound level	it with white	21/2 211.
	warnings. New limits, compliant with The		21- 15
	Commission Decision of 23 June 2009, are given below.	- TEX LITER SLITE	write with
10.6.3.2	RS1 limits (new)	The Trip on	N/A
10.0.0.2	RS1 is a class 1 acoustic energy source that does	at let let	TER STAN
	not exceed the following:	WELL MUTE MUTE MILE	
	for equipment provided as a package (player)		* et
	with its listening device), and with a proprietary	TEX STER STEE OUT	WELL WI
	connector between the player and its listening	in the the	
	device, or where the combination of player and	e of at	14 C
	listening device is known by other means such as	it with with white	Mr. Mr.
	setting or automatic detection, the $L_{Aeq,\tau}$ acoustic output shall be ≤ 80 dB when playing the fixed	211, 22	4 2
	"programme simulation noise" described in EN	LEK LEK LEK	NITE MITE
	50332-1.	Mill Mar My A	1, 2,
	- for equipment provided with a standardized	1 1	LET LET
	connector (for example, a 3,5 phone jack) that	LIER SLIEN MITE WAY	in the
	allows connection to a listening device for general	16. 241. 20. 2.	
	use, the unweighted r.m.s. output voltage shall be	at let tet it	750
	≤ 15 mV (analogue interface) or -30 dBFS (digital interface) when playing the fixed "programme	it with with with	2/1, 2/1,
	simulation noise" described in EN 50332-1.	***	A + A
10.6.3.3	RS2 limits (new)	ALTER MITER MALTER	N/A
N-	RS2 is a class 2 acoustic energy source that does	20, 20, 2	
	not exceed the following:	LET TEX TEXT	LIE MITE
	– for equipment provided as a package (player	11 12 12 11	1/2.

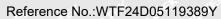


EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
WINTER WILLER WINTER WI	with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the weekly sound exposure level, as described in EN 50332-3, shall be ≤ 80 dB when playing the fixed "programme simulation noise" described in EN 50332-1. — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output level, integrated over one week, as described in EN50332-3, shall be ≤ 15 mV (analogue interface) or -30 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN 50332-1.	JUNETER WHITER W	NITER WAITER NITER WAITER WATER WA
10.6.4	Requirements for maximum sound exposure	is my my m	N/A
10.6.4.1	Measurement methods All volume controls shall be turned to maximum during tests. Measurements shall be made in accordance with	Not such equipment	N/A
	EN 50332-1 or EN 50332-2 as applicable.		at at
10.6.4.2	Protection of persons Except as given below, protection requirements for parts accessible to ordinary persons, instructed persons and skilled persons are given in 4.3.	TE WHITE WHITE	N/A
	NOTE 1 Volume control is not considered a safeguard.	MITER WALTER WALTER	until white
	Between RS2 and an ordinary person , the basic safeguard may be replaced by an instructional safeguard in accordance with Clause F.5, except that the instructional safeguard shall be placed on the equipment, or on the packaging, or in the instruction manual. Alternatively, the instructional safeguard may be given through the equipment display during use.	unifek whitek whitek whitek	EX WILLEX
	The elements of the instructional safeguard shall be as follows:	WALTER MALTER WALTER	UNLIER WALTER
	- element 1a: the symbol (1997), IEC 60417-6044 (2011-01) - element 2: "High sound pressure" or equivalent wording - element 3: "Hearing damage risk" or equivalent wording	ALTER WALTER WALTER WALT	TE JULIE
	element 4: "Do not listen at high volume levels for long periods." or equivalent wording	WALTER WALTER WALTER	Mury Aury
	An equipment safeguard shall prevent exposure	A 10 10	A 100



- 22	EN IEC 62368-1	is the the the	2, 7.
Clause	Requirement – Test	Result – Remark	Verdict
Me	The the the the	in out of the state of the	The Me
	of an ordinary person to an RS2 source without	20. 3	x+ .e+
	intentional physical action from the ordinary	Let the the	ALTE MITTER
	person and shall automatically return to an output	WILL MUE AND A	$n_s = n_s$.
	level not exceeding what is specified for an RS1	20	t et
	source when the power is switched off.	Alt THE STATE OF	The Will M
	The second one and a beautiful and a second and a second of	the were the	20 2
	The equipment shall provide a means to actively		t it a
	inform the user of the increased sound level when	CONTRACTOR STATES	and with
	the equipment is operated with an output	The The Th	20.
	exceeding RS1. Any means used shall be		26 AC
	acknowledged by the user before activating a mode of operation which allows for an output	TEN LITE RETURN	The Miles
	exceeding RS1. The acknowledgement does not	we me	
	need to be repeated more than once every 20 h of	1 1 1	All All A
	cumulative listening time.	LIER ALTE WITH M	Ver The 1
	cumulative listerling time.	14 24 20 20	
	NOTE 2 Examples of means include visual or audible signals.	a state of	Elk TER S
	Action from the user is always needed.	THE OLITE WITH WALL	211 211
	NOTE 3 The 20 h listening time is the accumulative listening	20, 20,	4 1
	time, independent of how often and how long the personal	* It let let	TIE STE
	music player has been switched off.	in while while while	24.
		10 1	1 1th
	A skilled person shall not be unintentionally exposed to RS3.	. TEX STEX OUTER	WILL WILL
10.6.5	Requirements for dose-based systems	Mr. Mr. 211	N/A
10.6.5.1	General requirements	Not such equipment	N/A
	Personal music players shall give the warnings as	1 11 11	
	provided below when tested according to EN	4	it let s
	50332-3, using the limits from this clause.	The Will Will	"als. "als.
	00002 o, doing the little from the oldese.	211 211 20	
	The manufacturer may offer optional settings to	. A At Att	THE LIFE
	allow the users to modify when and how they wish	alte mit wat	The Phil
	to receive the notifications and warnings to	24, 25,	4
	promote a better user experience without	at the text	THE SITE
	defeating the safeguards. This allows the users to	CHILD WALL WALL V	u_{-} z_{n}
	be informed in a method that best meets their	2, 2,	1 1
	physical capabilities and device usage needs. If	at at the	The Life of
	such optional settings are offered, an administrator	CLIE WILL WALL WA	29
	(for example, parental restrictions,		L of a
	business/educational administrators, etc.) shall be	It THE STEE SITE	" " " " " " " " " " " " " " " " " " "
	able to lock any optional settings into a specific	Mr. Mr. Mr.	20,
	configuration.	1 1	_EF _EF
	The Market Street Street Street	THE STEEL STEEL	Will Will
	The personal music player shall be supplied with	Mr. Mr. Mr.	,
	easy to understand explanation to the user of the	L A A	THE THE
	dose management system, the risks involved, and	LIER CLIE WITH M	5 1 1 1 2
	how to use the system safely. The user shall be made aware that other sources may significantly	24 24 25 25	
	contribute to their sound exposure, for example	A St St A	Ele TER
	work, transportation, concerts, clubs, cinema, car	TE WITE WITE WILL	The The
	races, etc.	24	
10652			
10.6.5.2	Dose-based warning and requirements	a little cuit with	N/A
10.6.5.2		WALTER WALTE WALL	N/A
10.6.5.2	Dose-based warning and requirements	MULTER WALTE WALL	N/A





4	
1	
2	10

70,	EN IEC 62368-1	The Water Water Angel	14, 4,
Clause	Requirement – Test	Result – Remark	Verdict
MALITER W	acknowledgement. In case the user does not acknowledge, the output level shall automatically decrease to compliance with class RS1. The warning shall at least clearly indicate that listening above 100 % <i>CSD</i> leads to the risk of hearing damage or loss.	SUPLIFIE WHITEK WHITEK W	ALTEX WALTEX
10.6.5.3	Exposure-based requirements	it it it it	N/A
MULTER WA	With only dose-based requirements, cause and effect could be far separated in time, defying the purpose of educating users about safe listening practice. In addition to dose-based requirements, a PMP shall therefore also put a limit to the short-term sound level a user can listen at.	EX WHITE WHITE WHITEK	JUNE WALTER
	The exposure-based limiter (EL) shall automatically reduce the sound level not to exceed 100 dB(A) or 150 mV integrated over the past 180 s, based on methodology defined in EN 50332-3. The EL settling time (time from starting level reduction to reaching target output) shall be 10 s or faster.	TEX WHITEK WHITEK WHITEK WHITEK WHITEK	outer antier
	Test of EL functionality is conducted according to EN 50332-3, using the limits from this clause. For equipment provided as a package (player with its listening device), the level integrated over 180 s shall be 100 dB or lower. For equipment provided with a standardized connector, the unweighted level integrated over 180 s shall be no more than 150 mV for an analogue interface and no more than -10 dBFS for a digital interface.	white whitek whitek	TEX WHITE WHITE
UNITEK WI	NOTE In case the source is known not to be music (or test signal), the EL may be disabled.	TER TER TER	TITEK WALTER
10.6.6	Requirements for listening devices (headphone	s, earphones, etc.)	N/A
	Corded listening devices with analogue input With 94 dB LAeqacoustic pressure output of the listening device, and with the volume and sound settings in the listening device (for example, built- in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the input voltage of the listening device when playing the fixed "programme simulation noise" as described in EN 50332-1 shall be ≥ 75 mV. NOTE The values of 94 dB and 75 mV correspond with 85 dB	Not such equipment	N/A
10.6.6.2	and 27 mV or 100 dB and 150 mV. Corded listening devices with digital input	70. % x+	N/A
10.0.0.2	With any playing device playing the fixed "programme simulation noise" described in EN 50332-1, and with the volume and sound settings in the listening device (for example, built-in volume	WILLER WHILE WHILE	NITEK WALTER



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	EN IEC 62368-1	LIE WILL WALL WALL	
Clause	Requirement – Test	Result – Remark	Verdict
writes w	level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the LAeq, racoustic output of the listening	antie white	united united,
11 July	device shall be ≤ 100 dB with an input signal of - 10 dBFS.	LIER WILLER WILLER M	rice Warr on
	In cordless listening devices In cordless mode, — with any playing and transmitting device playing the fixed programme simulation noise described in EN 50332-1; and — respecting the cordless transmission standards, where an air interface standard exists that specifies the equivalent acoustic level; and — with volume and sound settings in the receiving device (for example, built-in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output for the above mentioned programme simulation noise, the LAeq, racoustic output of the listening device shall be ≤ 100 dB with an input signal of -10 dBFS.	EK WILLEK WILLEK WILLEK WILLEK WILLEK WILLEK JEK WILLEK WILLEK WILLEK WILLEK WILLE	Et WA WALES
10.6.6.4	Measurement method Measurements shall be made in accordance with EN 50332-2 as applicable.	while while while	N/A
3	Modification to the whole document		N/A



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Ġ	C. M. C.	Mr. My M. T.	EN IEC 62368-1	TEL MITE MALIER WALLE	enry enry
	Clause	Requirement – Test	Mr. M. M.	Result – Remark	Verdict

	lis		country note	s iii tile rele	rence docume	according	to the following	N/A
	2	0.2.1	Note 1 and 2	1	Note 4 and 5	3.3.8.1	Note 2	1
		3.3.8.3	Note 1	4.1.15	Note	4.7.3	Note 1 and 2	Mille.
	125-	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	C.E.Y.
	S	5.4.2.3.2.4	Note 2	5.4.2.5	Note 2	5.4.5.1	Note	+ 3
		Table 13						41/2
	S. C.	5.4.10.2.1	Note	5.4.10.2.2	Note	5.4.10.2.3	Note	MITER
	<u>ا</u> د	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3 and 4	LIEK S
	in.	5.6.8	Note 2	5.7.6	Note	5.7.7.1	Note 1 and Note 2	IEK NILI
	, J. (*	8.5.4.2.3	Note	10.2.1 Table 39	Note 3 and 4 and 5	10.5.3	Note 2	MALIE
	à (10.6.1	Note 3	F.3.3.6	Note 3	Y.4.1	Note	CIEX
		Y.4.5	Note					
Wille.	-61	7			AT AV	. O	10 m	1500
	M	odification	to Clause 1					N/A
*	NO ele		ving note: e of certain substa ent is restricted w			Mritek Mrit	E WALTE WALT	N/A
د ع بر س	NO ele 20	OTE Z1 The use	e of certain substa ent is restricted w			Write aut	TEX TE	



N/A

N/A

N/A

N/A

N/A

No connection to external

No such radiation from the

circuit.

equipment.

Reference No.:WTF24D05119389Y

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	EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
"IL	an an a feet of	The way were were	- m		
4.Z1	Add the following new subclause after 4.9: To protect against excessive current, short-circuits and earth faults in circuits connected to an a.c.mains, protective devices shall be included either as integral parts of the equipment or as parts of the building installation, subject to the following, a), b) and c): a) except as detailed in b) and c), protective devices necessary to comply with the requirements of B.3.1 and B.4 shall be included as parts of the equipment;	Not directly connected to the mains	N/A		
	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;	MULTER WHITER WHITER	JEX.		
	c) it is permitted for pluggable equipment type B or permanently connected equipment, to rely on dedicated overcurrent and short-circuit protection	a start .	16		
	in the building installation, provided that the means of protection, e.g. fuses or circuit breakers, is fully specified in the installation instructions.	white mit mit in	y TEX		

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

Add the following to the end of this subclause:

Add the following to c) and d) in table 39:For

additional requirements, see 10.5.1.

The requirement for interconnection with **external circuit** is in addition given in EN 50491-3:2009.

of the wall socket outlet.

Modification to 5.4.2.3.2.4

Modification to 10.2.1

Modification to 10.5.1

5.4.2.3.2.4

10.2.1

8



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20,	EN IEC 62368-1	The way was and	20, 20,
Clause	Requirement – Test	Result – Remark	Verdict
Mes	All the total of	ET STIP ONLY SING	me m
10.5.1	Add the following after the first paragraph:	70, 1	N/A
	For RS 1 compliance is checked by measurement under the following conditions:	WALTER WALTER WALTER	Muri Muri
	In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or pre-sets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made.	LEK WHITEK WHITEK WHITEK	et unite united
	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.	WALTER WALTER WALTER V	Miles Maire
	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.	LIEK WHITEK WHITEK WH	TER ON TE WA
	Moreover, the measurement shall be made under fault conditions causing an increase of the high voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made.	Whitek whitek whitek	Whitek Whitek
	For RS1, the dose-rate shall not exceed 1 μSv/h taking account of the background level.	in the wife	EK WATER WAL
t JEX	NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996.	10 10 10 10 10 10 10 10 10 10 10 10 10 1	- LTE ALTER
9	Modification to G.7.1		N/A
G.7.1	Add the following note: NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in AnnexZD.	UNITER WHITER WHITER	N/A
10	Modification to Bibliography		N/A



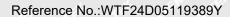
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Lange Committee	Mrs. Mar. Mrs. Mrs. Mrs.	EN IEC 62368-1	LIER WILLER WHILE	Write M	in the
Clause	Requirement – Test	Mr. M. M.	Result – Remark	LEK K	Verdict

de	The state of the state of	Litter Will War War	an.
	Add the following notes for the standards indicated:	The state of the s	N/A
	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 H	D 384/HD 60364 series.	
	IEC 60601-2-4 NOTE Harmonized as EN 60601-2-	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	
	IEC 60664-5 NOTE Harmonized as EN 60664-5.		
	IEC 61032:1997 NOTE Harmonized as EN 61032:19	998 (not modified).	
	IEC 61508-1 NOTE Harmonized as EN 61508-1.		
	IEC 61558-2-1 NOTE Harmonized as EN 61558-2-	-1. The state of t	
	IEC 61558-2-4 NOTE Harmonized as EN 61558-2-	-4.	
	IEC 61558-2-6 NOTE Harmonized as EN 61558-2-	-6.	
	IEC 61643-1 NOTE Harmonized as EN 61643-1.		
	IEC 61643-21 NOTE Harmonized as EN 61643-2	1.	
	IEC 61643-311 NOTE Harmonized as EN 61643-31	11.	
	IEC 61643-321 NOTE Harmonized as EN 61643-32	21.	
	IEC 61643-331 NOTE Harmonized as EN 61643-33		
- CV	ADDITION OF ANNEXES	10 Jr Jr 10	NI/A
11		1 1 10 10	N/A
ZB 4.1.15	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN) Denmark, Finland, Norwayand Sweden Not	t directly connected to the	N/A
	To the end of the subclause the following is added: Class I pluggable equipment type A intended for connection to other equipment or anetwork shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet. The marking text in the applicable countries shall be as follows: In Denmark: "Apparatetsstikpropskaltilsluttesenstikkontakt med jordsom giver forbindelsetilstikproppensjord." In Finland: "Laite on liitettäväsuojakoskettimillavarustettuunpistorasiaan	ins I white	
	In Norway: "Apparatetmåtilkoplesjordetstikkontakt" In Sweden: "Apparatenskallanslutas till jordatuttag"	EX MUTER MUTER MUTER	



	EN IEC 62368-1	49	7
Clause	Requirement – Test	Result – Remark	Verdict
4.7.3	United Kingdom	There is any a	N/A
MULLE MA	To the end of the subclause the following is added:	antifek whitek whitek wh	IN/A
itter white Ext. whitex	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	SLIEF WHITER WHITE WHITE	antifit and
5.2.2.2	Denmark	No high touch current	N/A
	After the 2nd paragraph add the following:	measured.	THE MULLE
unitek wat	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.	MILER MILIER MILIER MILE	EK WALTER
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:	TER WAITE WALL WILL	An An
	For separation of the telecommunication network from earth the following is applicable:	MULTER WALTE WALTE	
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	Whitek Myriter White My	TEX WILL
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	The mile mile	NAT V
	one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	TEX STEK WITER	MAY MAY
	If this insulation forms part of a semiconductor component (e.g. an optocoupler), there is no distance through insulation requirement for the insulation consisting of an insulating compound completely filling the casing, so that clearances and creepage distances do not exist, if the component passes the electric strength test in accordance with the compliance clause below and in addition	Whitek whitek whitek whitek	TEK MALTEK
	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),	Whitek whitek whitek we	Life Whiter
	and	The Man My Con	ALL THE
	is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5 kV.	tek milier milier milier	My Mill
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	united whited whitely whi	TEX MULTER



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72,	EN IEC 62368-1	is the opening	70. 4.
Clause	Requirement – Test	Result – Remark	Verdict
Whitek W	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions: • the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3 testing, is tested with an impulse test of 2,5 kV defined in 5.4.11; • the additional testing shall be performed on all the test specimens as described in EN 60384-14; the impulse test of 2,5 kV is to be performed	JUNITER WHITER W	ANTER MALIER MALIER
Lie when	before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14.	TEX WITER WALTER WALT	an con
5.5.2.1	Norway After the 3rd paragraph the following is added: Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	Whilek whilek whilek	N/A
5.5.6	Finland, Norwayand Sweden To the end of the subclause the following is added:	No such resistors.	N/A
	Resistors used as basic safeguard or bridging basic insulation in class I pluggable equipment type A shall comply with G.10.1 and the test of G.10.2.	te unite whitek whitek	MUTE MUTE
5.6.1 TO THE TOTAL THE	Denmark Add to the end of the subclause Due to many existing installations where the socket-outlets can be protected with fuseswith higher rating than the rating of the socket-outlets the protection for pluggable equipment type A shall be an integral part of the equipment. Justification: In Denmark an existing 13 A socket outlet can be	No such equipment.	N/A
- O 4 0 4	protected by a 20 A fuse.	NILIER WALTER WALTER	N/A
5.6.4.2.1	Ireland and United Kingdom After the indent for pluggable equipment type A, the following is added: - the protective current rating is taken to be 13 A, this being the largest rating of fuse used in the mains plug.	Wiley Muries Mires Muri	IN/A



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	EN IEC 62368-	40	2,
Clause	Requirement – Test	Result – Remark	Verdict
5.6.4.2.1	France At At A The Art A	Chilly Authority Out	NI/A
3.6.4.2.1	France 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.	Whitek whitek whitek	N/A
5.6.5.1	To the second paragraph the following is added:	at left left is	N/A
MATTER V	The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is: 1,25 mm²to 1,5 mm²in cross-sectional area.	THE WALLEY WALLEY	White White
5.6.8	Norway	The state of	N/A
ne watek Tek watek K	To the end of the subclause the following is added: Equipment connected with an earthed mains plug is classified as class I equipment . See the Norway marking requirement in 4.1.15. The symbol IEC 60417-6092, as specified in F.3.6.2, is accepted.	ANTER WATER WATER ON	ner whitek w
5.7.6	Denmark	711. 25. 1	N/A
Myr, M Myr, M Myr, M	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.	white white white	unt, whiley
5.7.6.2	Denmark	LE ALIE MILL MALL	N/A
WALTER.	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 multer multer	white whit
5.7.7.1	Norway and Sweden	Not such system.	N/A
	To the end of the subclause the following is added: The screen of the television distribution system is normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building. Therefore the protective earthing of the building installation needs to be isolated from the screen of a cable distribution system.	LIEK UNLIEK WHIEK	TEX WITE WALLE
	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.	onliek muliek muliek wit	ner on rek on
	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:	et multer multer	White white



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-20,	EN IEC 62368-1	in the ship	20, 40,
Clause	Requirement – Test	Result – Remark	Verdict
The .	"Apparatus connected to the protective earthing of	THE THE THE THE	"Nu" "N"
	the building installation through the mains	1 1 1	TEN TEN
	connection or through other apparatus with a	STEEL STEEL STATE OF	We are
	connection to protective earthing –	41, 41, 25	
	and to a television distribution system using	A SH SER S	SER LIFE OF
	coaxial cable, may in some circumstances create	Lite with our way	2/2 2/1
	a fire hazard. Connection to a television		L + .
	distribution system therefore has to be provided	at the the	
	through a device providing electrical isolation	Mrs. Mur. Mrs.	20, 20
	below a certain frequency range (galvanic isolator,	1	11- 11
	see EN 60728-11)"	THE LITTLE STATE	will where
	NOTE In Norway, due to regulation for CATV-installations, and	The Mr. M.	2,
	in Sweden, a galvanic isolator shall provide electrical insulation	A A OF	LET SET
	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.	LITER SLIPE WITH MI	r. 10, 1
	Suerigur of 1,5 kV 1.111.5., 50 Tiz of 00 Tiz, 101 T Tillin.	14. 24. 24. 25.	
	Translation to Norwegian (the Swedish text will	at at at a	Carried Contraction
	also be accepted in Norway):	The wall wall was	24, 24
	TEX TEX LIFE MITT MILL WIND WI	300	. * *
	"Apparatersom er koplettilbeskyttelsesjord via	of the tier tier	WILL WILL
	nettpluggog/eller via annetjordtilkoplet	are were my	20, 20
	utstyr – og er tilkoplet et koaksialbasertkabel-TV	1 1	LET LET
	nett, kanforårsakebrannfare.	TER LIFE OLITE	WILL WALL
	For å unngådetteskal det	11/2 11/2 12/2 1	
	vedtilkoplingavapparatertilkabel-TV nett installeresengalvanisk isolator		THE SHAPE
	mellomapparatetogkabel-TV nettet."	THE WALL WA	" 2 L 2
	monomapparatologicabel-1 v nettot.		d A
	Translation to Swedish:		The water water
	"Apparatersomärkopplad till skyddsjord via	in with while with	2/11
	jordatvägguttagoch/eller via	1	1 10
	annanutrustningochsamtidigtärkopplad till kabel-	- The The Aller	WILL WALL
	TV nätkanivissa fall medfőra risk főr brand.	The Mr. M.	20.
	Főrattundvikadettaskall vid anslutningavapparaten	1 1 1	LET LET
	till kabel-TV nätgalvanisk isolator	SLIFE BLIFF SIDE SW	Vr. Oly
5.5.4.2.3	finnasmellanapparatenochkabel-TV nätet." United Kingdom	No external circuits.	N/A
.3.112.0	Add the following after the 2 nd dash bullet in	TO OMOTHAL OFFICIALS.	
	3 rd paragraph:	in my m	
	o paragrapii.	a state of	- 15th J
	An emergency stop system complying with the	Er alle will white	21/2
	requirements of IEC 60204-1 and ISO 13850 is	20, 20,	4 4
	required where there is a risk of personal injury.	at at all	JE JIV



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	EN IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
allie .	and the same of the same	LITE MITE WALL WA	The same
B.3.1 and B.4	Ireland and United Kingdom The following is applicable: To protect against excessive currents and short-circuits in the primary circuit of direct plug-in equipment, tests according to Annexes B.3.1 and B.4 shall be conducted using an external miniature circuit breaker complying with EN 60898-1, Type B, rated 32A. If the equipment does not pass these tests, suitable protective devices shall be included as an integral part of the direct plug-in equipment, until the requirements of Annexes B.3.1 and B.4 are met	Not directly connected to the mains	N/A
G.4.2 WA	Denmark To the end of the subclause the following is added: Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011. CLASS I EQUIPMENT provided with socketoutlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	Not directly connected to the mains	IN N/A

60309-2.

or DKA 1-1c.

5a or DK 1-7a

Justification:

standard sheet DKA 1-4a.

Heavy Current Regulations, Section 6c

If a single-phase equipment having a RATED CURRENT exceeding 13 A or if a polyphase equipment is provided with a supply cord with a plug, this plug shall be in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN

Mains socket outlets intended for providing power to Class II apparatus with a rated current of 2,5 A shall be in accordance DS 60884-2-D1:2011

Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a

Mains socket-outlets with earth shall be in compliance with DS 60884-2-D1:2011

Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-



Lange Committee	EN IEC 62368-1				
Clause	Requirement – Test	Mr. M. M.	Result – Remark	LEK K	Verdict

G.4.2	United Kingdom	Not directly connected to the	N/A
	To the end of the subclause the following is added:	mains	White
	The plug part of direct plug-in equipment shall be assessed to BS 1363: Part 1, 12.1, 12.2, 12.3, 12.9, 12.11, 12.12, 12.13, 12.16, and 12.17, except that the test of 12.17 is performed at not less than 125 °C. Where the metal earth pin is replaced by an Insulated Shutter Opening Device (ISOD), the requirements of clauses 22.2 and 23	LIFE WHITE WHITE WHITE WHITE	ALTE OF
G.7.1	also apply. United Kingdom		N/A
J.7.1	To the first paragraph the following is added:	MILIER WALLES WHILE WILL	IN/A
	Equipment which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to BS 1363 by means of that flexible cable or cord shall be fitted with a 'standard plug' in accordance with the Plugs and Sockets etc. (Safety) Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted by those regulations.	TEX WALTER WALTER WALTER WALTER	TEN OU
NITER WY	NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	Multer Walter W	ALTER V
G.7.1	Ireland	THE LIFE OF	N/A
	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	Whitek wh	WALTER W
G.7.2	Ireland and United Kingdom	in my my my	N/A
	To the first paragraph the following is added: A power supply cord with a conductor of 1,25 mm ² is allowed for equipment which is rated over 10 A and up to and including 13 A.	A WALTER WALTER WALTER	MULLER
ZC 👉	ANNEX ZC, NATIONAL DEVIATIONS (EN)	700	N/A



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	70 1	EN IEC 62368-1	
Clause	Requirement – Test	Result – Remark	Verdict

10.5.2	Germany	No CRT within the equipment.	N/A
	The following requirement applies:	ALIER MILER WALTER WALTER	antir.
	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.	and whitek whitek whitek w	ALTEK WIT
	Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM.	JUNITER WRITER WHITER	WALTEK WALTEK
TEK MAL	NOTE Contact address: Physikalisch-TechnischeBundesanstalt, Bundesallee 100, D-38116 Braunschweig, Tel.: Int+49-531-592-6320, Internet: http://www.ptb.de	TEX MUTER MUTER MUTER ON	LIEK WA
ZD 🎺	IEC and CENELEC CODE DESIGNATIONS FOR	FLEXIBLE CORDS (EN)	N/A





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EN IEC 62368-1				
Clause	Requirement – Test	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	,E.,	100
Rubber insulated and sheathed cord	60245 IEC 86	H03RR-H
Rubber insulated, crosslinked PVC sheathed cord	60245 IEC 87	ноз ₹∨4-н
Crosslinked PVC insulated and sheathed cord	60245 IEC 88	H03V4V4-H
Cords insulated and sheathed with halogen- free thermoplastic compounds		
Light halogen-free thermoplastic insulated and sheathed flexible cords		H03Z1Z1-F H03Z1Z1H2-I
Ordinary halogen-free thermoplastic insulated and sheathed flexible cords		H05Z1Z1-F H05Z1Z1H2-I



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

5.2	TABLE: Classificatio	n of electrical en	ergy sourc	es		IF SER	P
Supply Voltage	Location (e.g. Test condition circuit designation)		Parameters				ES Class
Voltage	on our designation)		U (V)	I (mA)	Type ¹⁾	Additional Info ²⁾	Olass
Remote cor	ntrol:	ang and	- L	at at	TEX.	JEX JE	NITE OF THE
4.5VDC	The EUT is	Normal	<60Vdc	The Contract of the Contract o	SS	DC	ES1
	designed to be supplied by3*1.5V UM-4/LR03 batteries	Abnormal	`	* 76*	16th-	et tet	MALTER V
		Single fault – SC/OC	Wille - Miles	7112 71 2.	1. 74. E	7 15th	
WIFI foldab	le drone:	et set si	IEE OLIE	WILL WAL	" Will	21/2 21	-20,
5.0VDC	The EUT is	Normal	<60Vdc	A- 10	SS	DC	ES1
	designed to be supplied byDC port	Abnormal	. Willer	VILL AVER	ang.	24 - 24	20
	W Supplied By Bo port	Single fault – SC/OC	UEF OF	SEK "TEK	NATION OF	JEK -NITE	MALTER
4.2VDC	The EUT is	Normal	<60Vdc		SS	DC	ES1
	designed to be supplied by Internal	Abnormal	UE - UTE	Write M	11.	10,-	11. 1
INLIEK WALT	Li-ion battery	Single fault – SC/OC	ek citek		MALTER	WILLIAM WIL	TEK WAI

Supplementary information:

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

Test Conditions:

Normal –Full load and no load. Abnormal - Overload output short circuit; OC= open circuit

SC=

3)

5.4.1.8 TABLE: Working voltage measurement N/A					
Location	RMS voltage (V)	Peak voltage (V)	Frequency (Hz)	Comment	S
- my my my		CENT THE S	TEK TUTE	Write Murr - Wr	21/4
- TEK STEK KITER SINI	C WITH ME	21, 24,		at at	TEX
Supplementary information:					
THE THE STEE WITH	anti wir	24 2.	4	at left left	TELL

5.4.1.10.2 TABLE: Vicat softening temperature of thermoplastics				
Method		: ISO 306 / B50	Mr. M	_
Object/ Part No./Material	Manufacturer/trademark	Thickness (mm)	T soften	ing (°C)
-41, 41, 4,	- of the street	Life Will Will V	Vr. 1/1/2-	20.
Supplementary information:				

Reference	/· ~ [/	ハエニつん	10051	10220V
Deference	1 V () V	V 1 1 2 2	+レノしん)	190091

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Clause	Requirement – Test	Result – Remark	Verdict	

11 11 12		20			100	11. 10.		
5.4.1.10.3 TABLE: Ball pressure test of thermoplastics								
Allowed impression diameter (mm)								
Object/Part No./Material Manufacturer/trademark Thicknes		Thickness	(mm)	Test temperature (°C)		ression eter (mm)		
- " A St St	- TEN LIER WITER W	THE WALL	-in		100	×		
Supplementary information	on:							
A St St	TER STEEL WITER WAL	Aller	an.	20. 20.				

5.4.2, 5.4.3 TABLE: Minimum Clearances/Creepage distance								
Clearance (cl) and creepage distance (cr) at/of/between:	U _p (V)	U _{rms} (V)	Freq ¹⁾ (kHz)	Required cl (mm)	cl (mm)	E.S. ²⁾ (V)	Required cr (mm)	cr (mm)
it lifet slifet mile unit	400	-71/2			7.4	7¢+	18th 15th	F THE
Supplementary information:								
1) Only for frequency above 30 I Complete Electric Strength volta	Hz ge (E.S.	(V) whe	en 5.4.2.	4 applied)	LIEK IN	IEX WIL	EK WALTER	2)

TABLE: Minimum distance through insulation							
Distance through insulation (DTI) at/of	Peak voltage (V)	Insulation*	Required DTI (mm)	Measured DTI (mm)			
T & & At .	TEK TEK-UNITE WAY	ang - ang	7,11 -2,1				
Supplementary information:							
*See also sub-clause 5.4.4.9	the country was	are me	<i>i</i> n				

5.4.4.9	TABLE: Solid in	TABLE: Solid insulation at frequencies >30 kHz							
Insulation r	material	E P	Frequency (kHz)	K _R	Thickness d (mm)	Insulation	V _{PW} (\	/pk)	
CH JUST	WITE WILL	Lery Wer.	- 411	-, ,	1	# JEX	TEK (LTE.	
Supplemer	ntary information:								

5.4.9	TABLE: Electric strength to	ests		N/A
Test volta	age applied between:	Voltage shape (Surge, Impulse, AC, DC, etc.)	Test voltage (V)	Breakdown Yes / No
Functiona	al: At Alt Alt	E WILL MUT MY M	201 20	1
- white	Mury Aug My	1 - 1 - 1 - 1 - 1 - 1	Et NIET MITE	WILL TURE
Basic/sup	oplementary:	MULL MULL MULL MIN	70 7	st set
20/12 1	me me me m	et - let let lie	- NITER WITE W	rich Mars M

Reference	NI~ ·N/	エニンハロい	15110	128U/
Velefelle	110 00	1 1 24 1	<i>1</i> 0 18	เบอรา

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in in	All the second	EN IEC 62368-1	The Alle
Clause	Requirement – Test	Result – Remark	Verdict
Reinforce	di di di di di	MATER WALL WALL WALL WALL	m. m

Reinforced:	IEW MITE	MILTE	Mer	21/2 211	-7,	L st	it it
The Mr. Mr. An.	, J	1	,	TER ST	- neite	White M	in Mon
Routine Tests:	INLIE.	Maria.	alves. A	20	- W	- A+ - A	et let .
Tr. Mr. M. M.	- A-	_+	70° 30	EK OLIER	Till.	White Miles	21/2 - 21/2
Supplementary information:							
24, 24, 25,	,	. ك.	at all	THE .	ملتك ما	ry Wer.	The The

5.5.2.2	TABLE: Stored discharge on capacitors							
Location		Supply voltage (V)	Operating and fault condition 1)	Switch position	Measured voltage (Vpk)	ES Class		
LIFE NIE	Mile	White Aut My	Normal	14 - 18t	TEX- TEX	WITE SINIT		
ek stek	LIEK	LIER WHITE WHITE	Single fault: SC/ OC	Vr. 24Vr. 1		TEX TIES		

Supplementary information:

X-capacitors installed for testing are:[] bleeding resistor rating:
[] ICX: 1) Normal operating condition (e.g., normal operation, or open fuse), SC= short circuit, OC= open circuit

5.6.6 TABLE: Re	TABLE: Resistance of protective conductors and terminations							
Location	Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)				
L TEK STEK WITE	antile while the		J+ JH	TEN TEN				
Supplementary information:								
THE LIFE SITE	with the Mr. W.	7 4	A A	all set				

5.7.4 TABLE: Unearthed accessible parts								
Location	Operating and fault			Parameters				
	conditions	Voltage (V)	Voltage (V _{rms} or V _{pk})	Current (A _{rms} or A _{pk})	Freq. (Hz)			
- "	Normal		in in	in in	- 20			
	Abnormal	- J	- A K	+ 15 ²⁵ 251	WITE THE	In IT		
	Single fault: SC/OC	MITE - MITE	Mur - Mur	111 - 111	~	7.		
Supplementa	ary information:							
SC= short ci	rcuit; OC= open circuit	LITE OLITE	New Cher	21/2 211	20			

5.7.5	TABLE: Earthed accessible conductive part					
Supply volt	age (V)	- 40° 40° 4 10° 10°	_			
Phase(s)		[] Single Phase; [] Three Phase: [] Delta [] Wye				
Power Dist	ribution System	[]TN []TT []IT				
Location Fault Condition No in IEC Touch current Comm						



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Requirement – Test	Result – Remark	Verdict				

	60990 clause 6.2.2	(mA)	
This will more more	1. 2n - 15	TEK - CIEK	ALTER MITE MALL W
Supplementary Information:			
LIE WILL MULL MULL MU	An An	at at	TER STER OUTE SOL

5.8 TABLE: Backfeed safeguard in battery backed up supplies N/A								
Location	Supply voltage (V)	Operating and fault condition	Time (s)	Open-circuit voltage (V)	Touch current (A)	ES Class		
-24 My M	Zi,	- Jr 5	Et TIEK	MITE - MITE	wer - we	10,		
Supplementary information:								
The The The	4, ,	A A ART	JEF .	LIE WITE	Wr. Wr.	211 211		

6.2.2 T	ABLE: Power sourc	BLE: Power source circuit classifications						
Location Operating and fault condition				Max. Power ¹⁾ (W)	Time (S)	PS class		
Remote control	- LIFE WITE AN	rie avr. 2	1. 2.	4		et let		
4.5V input circu		4.613	0.009	0.042	3S	PS1		
by UM-4/LR03 batteries	B+ to B SC-	0*	0*	0*	38	PS1		
WIFI foldable d	rone	AE SITE	Lite .		in the	14, 12,		
THE THE	Output pin + to -	2.22	6.0	13.3	3S	PS1		
Battery board	Signal fault (U1 Pin 1-3SC)	0* 11 ^c	0*	W 0* W	3S	PS1		

Supplementary information:

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

6.2.3.1 TABLE: Dete	rmination of Arcing PIS	20, 20,		N/A
Location	Open circuit voltage after 3 s (Vpk)	Measured r.m.s current (A)	Calculated value	Arcing PIS? Yes / No
E white white white	M. M		EK STEE BITE	Mile - Mil
Supplementary information	:			
mere with whit w	V. 24	at at all	+ TEX TEX	Chille Will a

6.2.3.2 TAB	LE: Determination of resistive PIS	nination of resistive PIS					
Location	Operating and fault condition	Dissipate power (W)	Arcing PIS? Yes / No				
The American	The state of the	JEE WILL WHILL WHILL	Mr Mr.				
Supplementary in	ormation:						

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



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fault conditions has either a power exceeding 100 W measured immediately after the introduction of the fault if electronic circuits, regulators or PTC devices are used, or has an available power exceeding 15 W measured 30 s after introduction of the fault.

8.5.5	TABLE: High pre	essure lamp	TEN TEN	LIER WILLER WAY	N/A
Lamp manu	facturer	Lamp type	Explosion method	Longest axis of glass particle (mm)	Particle found beyond 1 m Yes / No
- 175	ALTER MALTER MAL	- mr. mr.	, , , , , , , , , , , , , , , , , ,	Alt Alt	TIEN - TIEN
Supplement	ary information:				
JEN N	TE WITE WILL	Mr. Mr. M.	1 1 1	Let Let	JER JIE N

9.6 TABL	E: Tempe	rature mea	surement	s for wirel	ess power	transmitte	ers	N/A
Supply voltage (V)				CLIER	WILLE W	ry, Myr,	m	_
Max. transmit powe	er of transr	mitter (W)		- J. V		et Jet	CIEN	_
	11,70.10001101.0			receiver and with receiver and irect contact distance of 2 m			with receiver and distance of 5 m	
Foreign objects	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)
VEL MOT IV	V 77	FAY		E* - JE*	_ <u>-c</u> }-	- ni	TO THE STATE OF	Mr M
Supplementary info	ormation:							
an an	20, 0	,		- 264	300	to the	anti-	are are

5.4.1.4, TABLE: Temperature measure 9.3, B.1.5, B.2.6	TABLE: Temperature measurements 5,					
Supply voltage (V)	Condition 1 (5.0VDC):	WALTER	write write	21x 2	_	
Ambient temperature during test T_{amb} (°C):	See below	LTECK.	JIER WILLE	White My	_	
Maximum measured temperature <i>T</i> of part/at:		Allowed T _{max} (°C)				
PCB near U1	25.9	ار - ي		er - Jer	105	
PCB near U3	26.4	110 101	ang an	1/1	105	
Battery body	27.4	L -st	16t- 16	- 	45	
Motor body	25.4	CILLY.	Mrs Mrs.	20, - 2,	Ref.	
Plastic enclosure inside near battery	27.1	<i>I</i> †	CENT - CENT	25 P. 10	Ref.	
Plastic enclosure outside near battery	26.4	Mr M	2 776	20, -2,	48	
Key switch	26.0	A	it with	LIER - NLIE	48	
Ambient	25.0	Vr110	1/1, - 1/1,		7-	



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Lang Maria	With Marie Marie			
Clause	Requirement – Test	Net Mer M. M.	Result – Remark	Verdict

Supply voltage (V)		:	Condition 2 (4.2VDC):	15 - 16 t	17EF 17	EK TEK	_		
Ambient temperature dur	ring test T_{amb}	(°C):	See below	Land Control	2012 - 201		_		
Maximum measured temperature <i>T</i> of part/at:				<i>T</i> (°C)					
PCB near U1	20. 1	.4	43.0	STEE WIT	in the	Wry -aug	105		
PCB near U3	WILLEY WA	The MIN	61.3	'n, , '	7.	d - 11	105		
Battery body	A 1	<i>(</i> - ,	56.2	CLIER - CLIE	White My	71/1	60		
Motor body	Will Will	aver,	40.3		A 1	t Tit	Ref.		
Plastic enclosure inside r	near battery	_et	53.0	ST STATE S	Write - Wer	1/10	Ref.		
Plastic enclosure outside	near battery	Mr.	44.1	7.	et - et	KINE .	48		
Key switch			39.8	with wh	- Pur	21/2 - 21/	48		
Ambient		25.0	A- X	t zet	JEK JJ	E Note:			
Supply voltage (V)		:	Condition 3 (4.5VDC):	inci -unc	m n	EK - 184	_		
Ambient temperature dur	ing test T _{amb}	(°C):	See below	TER JULIE	Wrig - any	110	<u> </u>		
Maximum measured tem part/at:	perature <i>T</i> of		T (°C)						
PCB near VR1	- 6		29.7		- 1-11t	NITE - IN	105		
PCB near IC (186)	- Kit	JEK S	29.7	ave - av	m.		105		
Plastic enclosure inside r	near battery		29.6	Jet - Je	- Little	LIET TILLE	Ref.		
Plastic enclosure outside	Plastic enclosure outside near battery		28.3	70	4, 4,		48		
Key switch		27.7	EX TEX	NITE NIT	NI LITE	48			
Ambient	LIEN LIEN	NACTE	25.0	1/1	- ·	77-	A+- A		
Temperature T of winding:	t ₁ (°C)	R ₁ (Ω	2) t ₂ (°C)	$R_2\left(\Omega\right)$	T (°C)	Allowed T _{max} (°C)	Insulatio n class		
E WITE WILL WALL	11/2 11			J- A	et out	JULE NO	C. MILLEY		

Supplementary information:

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

Condition 1: For WIFI foldable drone: Empty battery charging withempty battery (5V);

Condition 2: For WIFI foldable drone: Normal operation, fully charged battery operated under normal speed (4.2V);

Condition 3: For Remote control: Normal operation by UM-4/LR03 batteries (4.5V).

^{*} 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.



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Lange Committee	Mrs. Mar. Mrs. Mrs. Mrs.	EN IEC 62368-1	LIER WILLER WHILE	Write M	in the
Clause	Requirement – Test	Mr. M. M.	Result – Remark	LEK K	Verdict

B.2.5	TABLE:	Input to	est					P P
U (V)	Hz	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status
For Remote	control	Mer	Me	20,	120	et-	. Ker	LIER MIER MITE MAIL MAI
4.5	MITEL	0.009	ounti re it w	0.042	ALTE W	~ ·	\ \	Normal operation, powered by1.5V*3 UM-4/LR03 batteries.
For WIFI fol	dable dr	one	Eth.	CENT C	SEL SINE	in and	1. 11	The the the
5V	71. E-M	0.304	c⊁ur	1.52	NITER	 NALTE	k Whit	Empty battery charging. Battery charging current: 0.296A.
4.2V (fullycharged battery)	d Junit EX	2.898	WALTER .	8.85	whitek.	MITEK MITEK	our Liter our Liter	Normal operation, fully charged batteryoperated under normal speed. Battery discharging current:2.898A.

Supplementary information:

- 1) Supplied by DC source. ²⁾ Measured battery voltage and current for charging base and/or earbuds. The maximum measured current under rated voltage did not exceed 110% of the rated current.
- 2) Max. charge current by manufacturer: 0.3A, Max. discharge current by manufacturer: 6.0A.

B.3, B.4	TABLE: Abnorr	nal operating	g and fau	It condit	ion tests		P	
Ambient te	emperature T _{amb} (°	C)			: See I	pelow	_	
Power sou	rce for EUT: Man	ufacturer, mo	del/type, c	outputrati	ng:	The Thirt	_	
Compone No.	nt Condition	Supply voltage (V)	Test time	Fuse no.	Fuse Observ current (A)		ation	
For WIFI fo	oldable drone: Em	pty battery ch	narging wi	thempty I	pattery (5V)	White Whi W	in the	
C12	Short circuit	5VDC	10mins	ileige Anni	EK WITEK	Unit shut down imm damage, no hazard. Recoverable. Batter current: 0.00A.	Whi.	
U2 pin 1-	3 Short circuit	5VDC	10mins	e vinite	WALLER WAL	Unit shut down immediately. damage, no hazard. Recoverable. Battery chargin current: 0.00A.		
For WIFI fo	oldable drone: No	mal operation	n, fully cha	arged bat	tery operate	d under normal speed	I (4.2V)	
Motor	Locked	4.2VDC	10mins	nete " vii Sek vineti	te veriet Huriet	Normal operation. No damage no hazard. Battery discharging current: 0.188A.		
	MALTE WALK	21/27 20			et.	PCB near U1	46.9°C	
	* *	16th 25	et oute		Mery M	PCB near U3	60.0°C	
	INJES WALLE	Vice all	20		* 4	Battery body	47.9°C	
	20.	A A	LIEK		ALTE MALT	Motor body	32.4°C	
	NITE WALTER WA	L WALL	WIN .	riek "vi	EX MITEX	Plastic enclosure inside near battery	45.1°C	



The August 1	M. M. M.	EN IEC 62368-1	TER MITE WALLE	Wer au	21/2
Clause	Requirement – Test	MUT. M. M.	Result – Remark	et d	Verdict

WALTER WALTE	MULTEK WAS	HALLE WALLE	antife"	in a		Plastic enclosure outside near battery	39.5°C
	11 16		Will will	1. 110	201	Key switch	36.7°C
	Wer aver		70	ı Ö	- CEN	Ambient	25.0°C
C12	Short circuit	4.2VDC	10mins	VIATER.	wn!" w	Unit shut down immedamage, no hazard. Recoverable. Batter current: 0.00A.	TER SITE

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) SC: Short-circuited; OL: Overloaded; BL=Blocked.
- 2) The test result shown all safeguards remained effective and didn't lead to a single fault condition during abnormal operating condition; In addition all safeguards complied with applicable requirements in this standard after restoration of normal operating conditions.
- 3) The test result showed no Class 1 or 2 energy source become Class 3 level during and after single fault condition.
- 4) Max. charge current by manufacturer: 0.3A, Max. discharge current by manufacturer: 6.0A.

M.3	TABLE: Pr	otection circu	its for batteri	es provid	ed wi	ithin	the equ	ipment	TOP N
Is it possible	to install the	battery in a re	verse polarity	position?	:		100	200	_
				С	hargi	ing			
Equipment S	Specification		Voltage (V)					Current (A)	
		me me	5VDC	et se	+	160	- JEX	NITER IN	TE WITE
				Battery	/ spec	cifica	tion		
		Non-recharge	Rechargeable batteries						
		Discharging	Unintentional	Charging				Discharging	Reverse
Manufact	urer/type	current (A)	charging current (A)	Voltage	(V)	Curr	ent (A)	current (A)	charging current (A)
702032	OLIER WIT	The wife	- m	4.2			0.3	6.0	JEK - JE
Note: The tes	sts of M.3.2 a	re applicable o	only when abov	e appropri	iate d	ata i	s not ava	ilable.	
Specified bat	ttery tempera	ature (°C)	111 12		:		0	-60 °C	Ç.
Component No.	Fault condition	Charge/ discharge mo	Charge/ Test charge mode time		Curi (A		Voltage (V)	Obse	ervation
B- to P-	SC	Chargemod	le 7hour	27.4	0.2	96	4.2	NL, NS, NI	E, NF

Supplementary information:

SC

B- to P-

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

56.2

2.898

4.2

NL, NS, NE, NF

7hour

Max. charge current by manufacturer: 0.3A, Max. discharge current by manufacturer: 6.0A.

Discharge mode



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in mi	The The Table	N IEC 62368-1	mer me
Clause	Requirement – Test	Result – Remark	Verdict

	BLE: Charging sa tery	feguards for	equipmen	t containing a	secondary lithium	DLT Pr	
Maximum speci	fied charging voltag	je (V)		4.2	20, 20,		
Maximum speci	fied charging currer	nt (A)		0.3	EX INLIER WILLER	_	
Highest specified charging temperature (°C)45							
Lowest specified	d charging tempera	ture (°C)		10	WITE MALL MAL		
Battery	Operating		Measurem	ent	t Observation		
manufacturer/typ	pe and fault condition	Charging voltage (V)	Charging current (A				
702032	Normal condition	4.2	0.00	>45°C	Stop charging		
	(B P- SC)	4.2	0.00	>45°C	Stop charging		
	Normal condition	4.0	0.01	10	The charging voltage does not exceed 4.2V and the charging current does not exceed 0.3A		
	(B P- SC)	4.0	0.01	10	The charging voltage do not exceed 4.2V and the charging current does nexceed 0.3A		

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.

Max. charge current by manufacturer: 0.3A, Max. discharge current by manufacturer: 6.0A.

Q.1	TABLE: Circuits inter	nded for inte	erconnectio	n with build	ing wiring	(LPS)	N/A
Output	Condition	11 (\(\(\) (\)	Time (a)	I _{sc} (A)		S (VA)	
Circuit Condition	U _{oc} (V)	Time (s)	Meas.	Limit	Meas.	Limit	
EK WALTEK	Normal	WILL M	4100	m_ n	8	-x+	100
	Single fault - SC/OC	- A	* C#	50 <u>1</u>	8	and an	100
Supplement	tary Information:						
SC = short o	circuit, OC = open circuit	1 1	A COMMENT	JE JIE	and a	ne an	2/12 1

T.2, T.3, T.4, T.5	TABLE: S	teady force te	est						N/A
Location / Part	Material	Thickness (mm)	Probe	Force (N)	Test Duration (s)		Obser	rvation	
14. 14	-727	Ţ.	± - <	ال <u>- را</u> د	t outstell	N-TE WY	The White	ale,	- an-
Supplementa	ary informati	on:							
21/2 211	20		, et	164	JE N	The Mark	W.F.	11/2	an.



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rice mile	mr. nur mr. m.	EN IEC 62368-1	Tre Aller
Clause	Requirement – Test	Result – Remark	Verdict

T.6, T.9	TABLE: Impa	ct test			N/A		
Location/Par	t Material	Thickness (mm)	Height (mm)				
VILL WILL	mr mr.	- 2n	7,7	Tet Tet Tiet Wife Wife	Why wh		
Supplementa	ary information	•					
in and	ne m	20, 20,		et tet itet alle mile a	List alle		

T.7 TA	ABLE: Drop	test		THE THE LITTER SLITER WILL MADE
Location/Part	Material	Thickness (mm)	Height (mm)	Observation
Enclosure Plastics, See table 4.1.2 Metal		1000	Enclosure remained intact, no crack/ opening developed. No hazards.	
Supplementary	/ information			
at the	TER LIE	WILL WILL A	ar a	and the state of the state of

T.8 1	ABLE: Stres	s relief test	The Alle	20, 2	N/A	
Location/Part Material Thickness (mr		Thickness (mm)	Oven Temperatur e (°C)	Duration (h)	Observation	
n Z	V - V	Et U	antiff (<u> </u>	-2 14 14 14	
Supplementar	y information:					
4	4 4	et et	CLIFE INLI	ant.	Mr. Tall An an	

X	TABLE: Alterna	TABLE: Alternative method for determining minimum clearances distances					
Clearance distanced between:		Peak of working voltage (V)	Required cl (mm)	Measure (mm)			
et	LIER NITER WITE	MILLE MILL MILL ON	T A	1 1th-	ITEH N		
Supplem	nentary information:						
A 1	Et JET JE	Will Mr. M. M.		* 1 2 2	et 1º		

4.1.2	TABLE: Critical components information						
Object / Manufacturer/ trademark		Type / model	Technical data	Standard ²	Mark(s) of conformity ¹		
Remote con	trol	1 1 1	H JEK NIEK	WILLEY WALLE	MULL MULL ME		
Plastic enclosure	CHI MEI CORPORATION	PA-749	ABS, HB, 60°C, min. thickness 1.5mm	UL 94	UL E56070		
Internal wire	Interchangeable	Interchangeabl e	Min. 80°C, Min.30V, Min.30AWG, VW-1	UL 758	UL NOTE		

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- 100		EN II	EC 62368-1	Vr. Car Car	20, 0,
Clause	Requirement – Test	Weign Mur.	Resul	t – Remark	Verdict
PCB	KINGBOARD LAMINATES HOLDINGS LTD	KB-6165	V-0, 130°C	UL 94, UL 796	UL E123995
(Alternative)	Interchangeable	Interchangeabl e	Min. V-1, Min. 105°C	UL 796	UL WIFE WA
WIFI foldable	drone	White white	211 211		- 1E+ 1T
Plastic enclosure	CHI MEI CORPORATION	PA-749	ABS, HB, 60°C, min. thickness 1.5mm	UL 94	UL E56070
PCB	KINGBOARD LAMINATES HOLDINGS LTD	KB-6165	V-0, 130°C	UL 94, UL 796	UL E123995
Alternative)	Interchangeable	Interchangeabl e	Min. V-1, Min. 105°C	UL 796	UL JUNE
Internal wire	Interchangeable	Interchangeabl e	Min. 80°C, Min.30V, Min.30AWG, VW-1	UL 758	UL WILLEY
Motor	Jin Yu Electromechanical	S06.371501	3.0-4.2VDC, Rated current 1250mA Max., Locked current 2800mA, Rated speed 35800±1000rpm	EN IEC 62368-1	Test with appliance
Motor	Jin Yu Electromechanical	S06.371502	3.0-4.2VDC, Rated current 1250mA Max., Locked current 2800mA, Rated speed 35800±1000rpm	EN IEC 62368-1	Test with appliance
Internal Li- ion battery	DONGGUAN JUNE ENERGY CO., LTD.	702032	3.7V, 300mAh	IEC 62133-2: 2017 EN 62133-2: 2017	Test Report No. LCS21071923 0AS

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

²⁾License available upon request.



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Photo Documentation

Reference No.: WTF24D05119389Y

Model: MO9379



Figure 1: External view



Figure 2: External view



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Figure 3: External view



Figure 4: Internal view



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Figure 5: Internal view

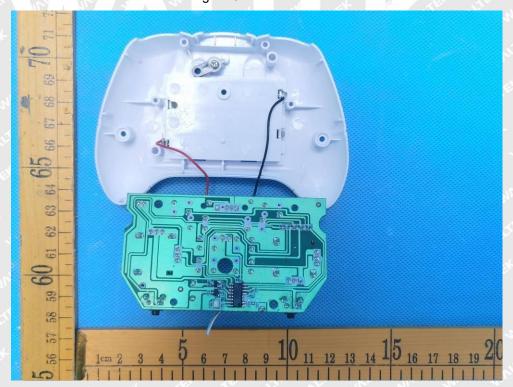


Figure 6: Internal view



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Figure 7: External view



Figure 8: External view



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Figure 9: Internal view



Figure 10: Internal view



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Photo Documentation



Figure 11: Internal view

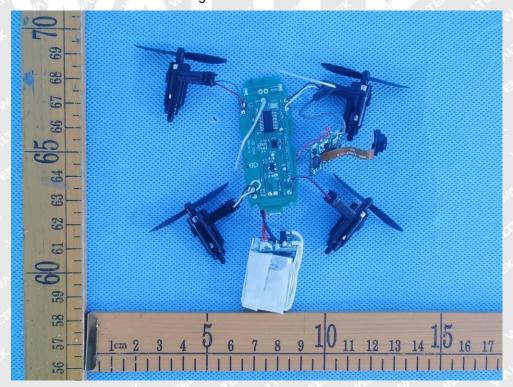


Figure 12: Internal view



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Photo Documentation

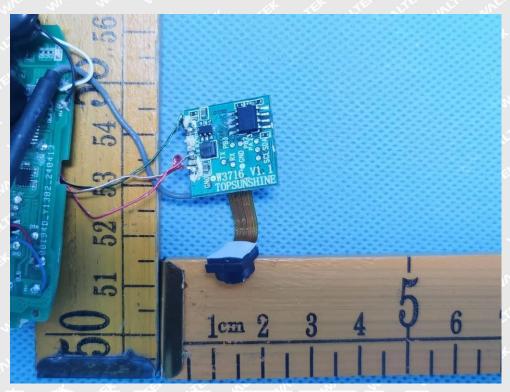


Figure 13: Internal view

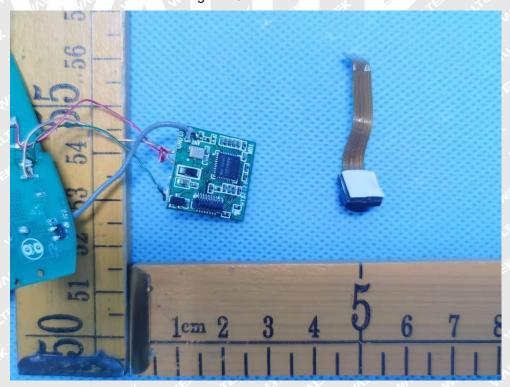


Figure 14: Internal view



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Photo Documentation

Reference No.: WTF24D05119389Y

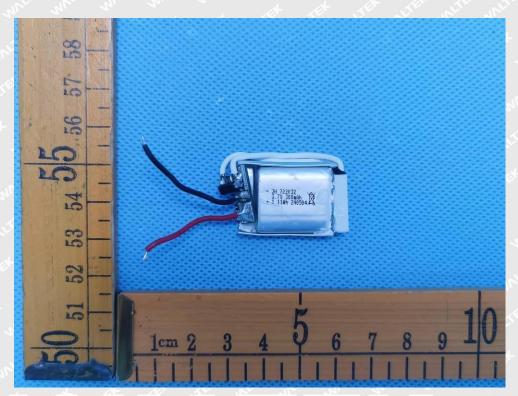


Figure 15: Battery

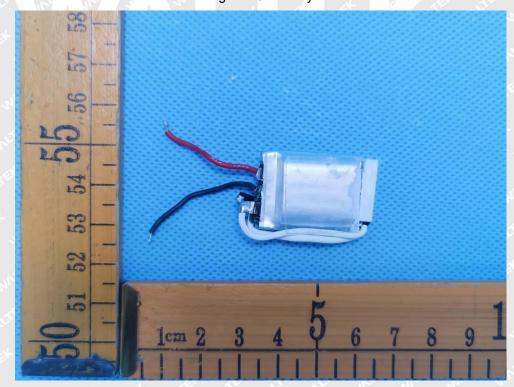


Figure 16: Battery

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