



TEST REPORT

Reference No	:	WTF24D11264048Y
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Applicant...... i Mid Ocean Brands B.V.

Hong Kong

Manufacturer 114538

Address..... N/A

Product..... Foldable charging station

Model(s)..... : MO2145

Audio/video, information and communication technology equipment -

Part 1:Safety requirements

Date of Receipt sample..... 2024-11-14

Date of Test...... 2024-11-14 to 2024-11-25

Date of Issue..... 2024-11-28

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:

Waltek Testing Group Co., Ltd.

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Compiled by:

Approved by:

Jason Huang / Project Engineer

Jason . Huany

Almon Zhao / Designated Reviewer



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		The street was the street with the street
Test Item description	Foldable ch	narging station
Trade Mark(s)	MOB	EX TEX LIEX SLIED WITH WITH WALL
Model/Type reference	MO2145	
	Output: DC	V/3A, 9V/2.22A, 5V/2A :5V/0.3A, 5V1A, 9V/1.66A utput power: 1.5W, 5W, 15W (Max.)
Remark: Whether parts of tests for the product have be ☐ Yes	een subcon	LIE RITE MIT WALL WALL WALL WALL TO
Summary of testing: 1. These samples are tested and complied v	vith the req	uirements of standards listed on this report.
Tests performed (name of test and test cl - EN IEC 62368-1:2020+A11:2020 The submitted samples were found to comprequirements of above specification.	Mer	Testing location: No. 77, Houjie Section, Guantai Road, Houjie Town, Dongguan City, Guangdong, China
Summary of compliance with National Difference List of countries addressed: National Difference checked. The product fulfils the requirements of EN	nces and G	Group Differences for CENELEC countries were
Statement concerning the uncertainty of N/A	the measu	rement systems used for the tests
☐ Internal procedure used for type testir has been established:	ng through	which traceability of the measuring uncertainty
Procedure number, issue date and title: N/A		White white whitek whitek whitek whitek wh
☐ Statement not required by the standar N/A	d used for	type 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.

MOB/MO2145 PO BOX 644 6710 BP (NL) Made in China PO41-113935 Frequency range:110-205kHz; 325-330kHz(Middle charging pad) Input:DC9V/3A,9V/2.22A,5V/2A Output:DC5V/0.3A,5V/1A,9V/1.66A Wireless Output Power: 1.5W,5W,15W(Max.)





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.



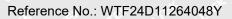
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Test item particulars:	ALTER MILE MILL WALL WALL WALL WALL
Product group:	
Classification of use by:	☑ Ordinary person☑ Instructed person☑ Skilled a green
Supply connection::	☐ Skilled person ☐ AC mains ☐ DC mains ☐ not mains connected:
Supply tolerance:	ES1 ☐ ES2 ☐ ES3☐ +10%/-10%☐ +20%/-15%☐ + 20 / 4 / 4 / 4 / 4 / 4 / 4 / 4 / 4 / 4 /
Supply connection – type:	 ⊢%/% None □ pluggable equipment type A -
The writes writes writes writes	☐ non-detachable supply cord ☐ appliance coupler ☐ direct plug-in
A MULTER MULTER MULTER MULTER MULTER	□ pluggable equipment type B -□ non-detachable supply cord□ appliance coupler
MILIER WHITER WHITER WHITE WHITE WHITE	 □ permanent connection □ mating connector ⋈ other: not Mains connected
Considered current rating of protective device	☐ Others: ; Location: ☐ building ☐ equipment ☑ N/A
Equipment mobility::	
Overvoltage category (OVC):	☐ OVC II ☐ OVC III ☐ OVC III ☐ OVC IV ☐ other: not Mains connected
Class of equipment:	☐ Class I ☐ Class II ☐ Class III ☐ Not classified ☐
Special installation location:	N/A □ restricted access area□ outdoor location □ □
Pollution degree (PD):	\square PD 1 \boxtimes PD 2 \square PD 3
Manufacturer's specified T _{ma} :	25°C Outdoor: minimum°C
IP protection class:	□ IP
Power systems:	☐ TN ☐ TT ☐ ITV L-L ☐ not AC mains
Altitude during operation (m):	☐ 2000 m or less ⊠ _5000_m
Altitude of test laboratory (m):	
Mass of equipment (kg):	0.110kg max.



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Possible test case verdicts:	21/2
test case does not apply to the test object: N/A	
test object does meet the requirement: P (Pass)	
test object does not meet the requirement: F (Fail)	
Testing: The lift with which will be the lift of the l	Ļ
Date of receipt of test item: See cover page	
Date (s) of performance of tests See cover page	الله
General remarks:	TEX
(see Enclosure #)" refers to additional information appended to the report. (see appended table)" refers to a table appended to the report.	E#
Throughout this report a \square comma / \boxtimes point is used as the decimal separator.	
General Product Information:	. si
Product Description:	100
I. The equipment intended to use in information technology and audio/video equipment.	
2. Specified maximum ambient temperature is 25°C.	
Model Differences	TEK
Additional application considerations –	^n





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 circuits	Ordinary	N/A	N/A	N/A
6	Electrically-caused fire			
Class and Energy Source	Material part		Safeguards	
(e.g. PS2: 100 Watt circuit)	(e.g. Printed board)	В	1 st S	2 nd S
PS2: All circuits	All combustible materials within equipment fire enclosure	Equipment safeguard (e.g., no ignition occurs)	Equipment safeguard (e.g., control of fire spread)	N/A
7	Injury caused by hazardous s	substances		
Class and Energy Source	Body Part		Safeguards	
(e.g. Ozone)	(e.g., Skilled)	В	S	R
N/A	N/A	N/A	N/A	N/A
8	Mechanically-caused injury			
Class and Energy Source	Body Part		Safeguards	
(e.g. MS3: Plastic fan blades)	(e.g. Ordinary)	В	S	R
MS1: Mass of the unit	Ordinary	N/A	N/A	N/A
MS1: Edges and corners	Ordinary	N/A	N/A	N/A
9	Thermal burn			
Class and Energy Source	Body Part		Safeguards	
(e.g. TS1: Keyboard caps)	(e.g., Ordinary)	В	S	R
TS1: Plastic enclosure	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 used for indicating light)	LED indicator light	N/A	N/A	N/A

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ENERGY SOURCE DIAGRAM			
Indicate which e	energy sources are included in the energy source diagram. Insert diagram below		
71 1	EX TEX STEEL WHILL WALL WALL WALL WILL THE TEXT OF THE		
	☐ ES ☐ PS ☐ MS ☐ TS ☐ RS		
	See details in OVERVIEW OF ENERGY SOURCES AND SAFEGUARDS.		

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The William		IEC 62368-1		
Clause	Requirement + Test	with my m	Result - Remark	Verdict

4	GENERAL REQUIREMENTS		
4.1.1	Acceptance of materials, components and subassemblies	See appended table 4.1.2	P
4.1.2	Use of components	Components which are certified to IEC and/or national standards are used correctly within their ratings. Components not covered by IEC standards are tested under the conditions present in the equipment. See also Annex G.	PW WALTER WALTER
4.1.3	Equipment design and construction	Equipment is adequately designed and constructed.	P
4.1.4	Specified ambient temperature for outdoor use (°C)	Indoor use	N/A
4.1.5	Constructions and components not specifically covered	WILER WHILER WHILER	N/A
4.1.8	Liquids and liquid filled components (LFC)	(See G.15)	N/A
4.1.15	Markings and instructions	(See Annex F)	Р
4.4.3	Safeguard robustness	See below.	N/A
4.4.3.1	General	Mr. All All	N/A
4.4.3.2	Steady force tests	OLITER MITE WALLE WALLE	N/A
4.4.3.3	Drop tests	the state of the	N/A
4.4.3.4	Impact tests	RITE WALL WALL WALL	N/A
4.4.3.5	Internal accessible safeguard tests	et set set stet o	N/A
4.4.3.6	Glass impact tests	in man	N/A
4.4.3.7	Glass fixation tests	- lifet outer writer write	N/A
, et	Glass impact test (1J)	An An At At	N/A
21127 21	Push/pull test (10 N)	INLIER WALTE WALL WALL	N/A
4.4.3.8	Thermoplastic material tests	at at all the	N/A
4.4.3.9	Air comprising a safeguard	TIL MULL AUG. MUL. A	N/A
4.4.3.10	Accessibility, glass, safeguard effectiveness	et itel lifet slifet mi	N/A
4.4.4	Displacement of a safeguard by an insulating liquid	Mr. Mr. M. M.	N/A
4.4.5	Safety interlocks	(See Annex K)	N/A



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The William		IEC 62368-1		
Clause	Requirement + Test	MULL ME ME	Result - Remark	Verdict

4.5	Explosion		P
4.5.1	General	WILL MULLE MULL MULL	и Р
4.5.2	No explosion during normal/abnormal operating condition	(See Clause B.2, B.3)	TE P
EK JEY	No harm by explosion during single fault conditions	(See Clause B.4)	P
4.6	Fixing of conductors	Murit Aury Aug My	N/A
IN LITER	Fix conductors not to defeat a safeguard	. THE STEE STEEL WITE	N/A
- A	Compliance is checked by test:	Mr. Mr. Mr. 21,	N/A
4.7	Equipment for direct insertion into mains socket	-outlets	N/A
4.7.2	Mains plug part complies with relevant standard:		N/A
4.7.3	Torque (Nm):	EL WILL WILL MILL AN	N/A
4.8	Equipment containing coin/button cell batteries	t at alt all al	N/A
4.8.1	General	No coin/button cell batteries used.	N/A
4.8.2	Instructional safeguard::	write write way was	N/A
4.8.3	Battery compartment door/cover construction	ALTER OLITER	N/A
	Open torque test	1 12 12 12 12 12	N/A
4.8.4.2	Stress relief test	The William Control Whi	N/A
4.8.4.3	Battery replacement test	a state de	N/A
4.8.4.4	Drop test	WILL MULL MULL MULL	N/A
4.8.4.5	Impact test	at let tet tet	N/A
4.8.4.6	Crush test	With My My My	N/A
4.8.5	Compliance	LEK LIEF WILL WILL A	N/A
,	30N force test with test probe	10, 10, 2,	N/A
Mer	20N force test with test hook	RITER WALTER WALTER WALTER	N/A
4.9	Likelihood of fire or shock due to entry of condu	ctive object	Р
4.10	Component requirements	white much much much	N/A
4.10.1	Disconnect Device	let tet tet tret tret	N/A
4.10.2	Switches and relays	ing the the the	N/A

5	ELECTRICALLY-CAUSED INJURY	P
5.2	Classification and limits of electrical energy sources	ur and



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MULL	IEC 62368-1	TEL MITE WALL WALL ON	in aller
Clause	Requirement + Test	Result - Remark	Verdict
5.2.2	ES1, ES2 and ES3 limits	mis mes me me	P
5.2.2.2	Steady-state voltage and current limits:	(See appended table 5.2)	N P
5.2.2.3	Capacitance limits	(See appended table 5.2)	N/A
5.2.2.4	Single pulse limits	(See appended table 5.2)	N/A
5.2.2.5	Limits for repetitive pulses:	(See appended table 5.2)	N/A
5.2.2.6	Ringing signals	(See Annex H)	N/A
5.2.2.7	Audio signals	No such audio signals	N/A
5.3	Protection against electrical energy sources	The same and the	N/A
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	HITE WHILE WALL WALL	N/A
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	er write write mis m	N/A
5.3.1 b)	Skilled persons not unintentional contact ES3 bare conductors	MITER WALTER WALTER WALT	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Only ES1 circuit	N/A
TEX IT	Accessibility to outdoor equipment bare parts	A LINE LINE	N/A
5.3.2.2	Contact requirements	2 July My 2	N/A
EK WITE	Test with test probe from Annex V	The Life Alife	_
5.3.2.2 a)	Air gap – electric strength test potential (V):	Mr. Mr. Mr.	N/A
5.3.2.2 b)	Air gap – distance (mm)	ALTER MITER WALTER WALTE	N/A
5.3.2.3	Compliance	t it lit lit	N/A
5.3.2.4	Terminals for connecting stripped wire	NITE WALL WALL WALL	N/A
5.4	Insulation materials and requirements	et tet stet stet stet .	N/A
5.4.1.2	Properties of insulating material	No insulation as a safeguard.	N/A
5.4.1.3	Material is non-hygroscopic	- life alies wife and	N/A
5.4.1.4	Maximum operating temperature for insulating materials:	(See appended table 5.4.1.4, 9.3, B.1.5, B.2.6, B.3, B.4)	P
5.4.1.5	Pollution degrees:	m m ct	N/A
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	LIER WALTER WHILE WHILE	N/A
5.4.1.5.3	Thermal cycling test	EX NITER WAITER WAITE WA	N/A
5.4.1.6	Insulation in transformers with varying dimensions	a state of	N/A
5.4.1.7	Insulation in circuits generating starting pulses	WITE WILL WILL MALL	N/A



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Clause	Requirement + Test	Result - Remark	Verdict
5.4.1.8	Determination of worlding valte as	White while Mar.	NI/A
	Determination of working voltage:	All the the	N/A
5.4.1.9	Insulating surfaces	ur, mur mr. n	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	TEX WILLEY WALLEY WAS	N/A
5.4.1.10.2	Vicat test:	t et set se	N/A
5.4.1.10.3	Ball pressure test:	Mur. Aur. Mur.	N/A
5.4.2	Clearances	TEX LIER SLIER	N/A
5.4.2.1	General requirements	11/2 21/2 21/2	N/A
NICE WAL	Clearances in circuits connected to AC Mains, Alternative method	LIER WALLER WALLE W	N/A
5.4.2.2	Procedure 1 for determining clearance	Et street outer sout	N/A
y let	Temporary overvoltage	74 74 A	
5.4.2.3	Procedure 2 for determining clearance	WHITE WALLS WALLE	N/A
5.4.2.3.2.2	a.c. mains transient voltage:	at at let	TEF -
5.4.2.3.2.3	d.c. mains transient voltage:	AUTI AUTI AUTI A	_
5.4.2.3.2.4	External circuit transient voltage:	Alt MALIER AND	TELL
5.4.2.3.2.5	Transient voltage determined by measurement:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
5.4.2.4	Determining the adequacy of a clearance using an electric strength test:	white white white	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	WITE WALLE WALLE	N/A
		7 7 7	at let
5.4.2.6	Clearance measurement:	ALTER MALTE WALL W	N/A
5.4.3	Creepage distances	at at all a	N/A
5.4.3.1	General	in with my my	N/A
5.4.3.3	Material group:	TEN TEN STEE	
5.4.3.4	Creepage distances measurement	me me	N/A
5.4.4	Solid insulation	LIER WITER WITER	N/A
5.4.4.1	General requirements	30 20 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	N/A
5.4.4.2	Minimum distance through insulation:	THE MULTER WALLE ON	N/A
5.4.4.3	Insulating compound forming solid insulation	at at at a	N/A
5.4.4.4	Solid insulation in semiconductor devices	Mury Mury Mirr	N/A
5.4.4.5	Insulating compound forming cemented joints	At 1th 1th	N/A



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, and	IEC 62368-1	THE MITTER MALL MALL	The and
Clause	Requirement + Test	Result - Remark	Verdict
5.4.4.6	Thin sheet material	White white whi	N/A
5.4.4.6.1	The state of the s	THE THE NAME OF	N/A
5.4.4.6.2	General requirements	ur mr m. 2	N/A
5.4.4.6.2	Separable thin sheet material	LET WILL WILLIAM	N/A
F 4 4 C 2	Number of layers (pcs):	The state of	- 15 4
5.4.4.6.3	Non-separable thin sheet material	White white whi.	N/A
5.4.4.6.4	Number of layers (pcs): Standard test procedure for non-separable thin sheet material	MALTER MALTER	N/A N/A
5.4.4.6.5	Mandrel test	STER STER OFFER	N/A
5.4.4.7	Solid insulation in wound components		N/A
5.4.4.9	Solid insulation at frequencies >30 kHz, E_P , K_R , d , V_{PW} (V)	et white white whi	N/A
Aug.	Alternative by electric strength test, tested voltage (V), K _R	MULTER MULTER MULTER	N/A
5.4.5	Antenna terminal insulation	WITER WILLE MULLE	N/A
5.4.5.1	General		N/A
5.4.5.2	Voltage surge test	A MULL MA	N/A
5.4.5.3	Insulation resistance (M Ω)	A THE STATE OF THE STATE	N/A
	Electric strength test	Mr. Mr. An	N/A
5.4.6	Insulation of internal wire as part of supplementary safeguard	WALTER WALTER WALTER	N/A
5.4.7	Tests for semiconductor components and for cemented joints	NITER WHITE WHITE W	N/A
5.4.8	Humidity conditioning	IEK STEK INTER UNT	N/A
K WITEK	Relative humidity (%), temperature (°C), duration (h):	- LIEK ALIEK MITE	MINITY -
5.4.9	Electric strength test	In the	N/A
5.4.9.1	Test procedure for type test of solid insulation:	INLIER WHITE WHITE	N/A
5.4.9.2	Test procedure for routine test		N/A
5.4.10	Safeguards against transient voltages from external circuits	the state of	N/A
5.4.10.1	Parts and circuits separated from external circuits	MULL MULL MULL	N/A
5.4.10.2	Test methods	THE SET STATE	N/A
5.4.10.2.1	General	Mr. Mr. M.	N/A



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Clause	Requirement + Test	Result - Remark	Verdict	
24 1	of the state of th	White wall whi	mr mr	
5.4.10.2.2	Impulse test:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A	
5.4.10.2.3	Steady-state test:	WILL MULL MULL A	N/A	
5.4.10.3	Verification for insulation breakdown for impulse test:	TEX NATER MUTER AND	N/A	
5.4.11	Separation between external circuits and earth	e at alt de	N/A	
5.4.11.1	Exceptions to separation between external circuits and earth	Muri Mur Au	N/A	
5.4.11.2	Requirements	White white white	N/A	
unlies whi	SPDs bridge separation between external circuit and earth	LIEK WHITEK WHITEK W	N/A	
LIEK NLIE	Rated operating voltage U _{op} (V)	et let itet it	e* —	
, ,,,	Nominal voltage U _{peak} (V)	Mr. Mr. M.		
MULTER	Max increase due to variation ΔU _{sp} :	y LIEY SLIER WILLER	Mrti —	
, et	Max increase due to ageing ΔU _{sa} :	Star Star Star	- H	
5.4.11.3	Test method and compliance	Write Write Mrite	N/A	
5.4.12	Insulating liquid	Dr. Jak	N/A	
5.4.12.1	General requirements	a fun in	N/A	
5.4.12.2	Electric strength of an insulating liquid	the other mark	N/A	
5.4.12.3	Compatibility of an insulating liquid	The talk	N/A	
5.4.12.4	Container for insulating liquid:	WILL WILL MULL	N/A	
5.5	Components as safeguards	at at at	N/A	
5.5.1	General	WILL WILL MUT W	N/A	
5.5.2	Capacitors and RC units	CH TEX STER AS	N/A	
5.5.2.1	General requirement	i me me	N/A	
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector:	MALIER WALTER WALTE	N/A	
5.5.3	Transformers	LIER WIFE WITE	N/A	
5.5.4	Optocouplers	10 20	N/A	
5.5.5	Relays	NETER WALTER WALTER WA	N/A	
5.5.6	Resistors	at the set of	N/A	
5.5.7	SPDs	MUT, MUT, MILL	N/A	
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable	MILER WALTER WALTER	N/A	



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550	Out would be a first will be in the said of the said o	Multer Will Will Mile	NI/A
5.5.9	Safeguards for socket-outlets in outdoor equipment	The state state	N/A
20, 25,	RCD rated residual operating current (mA):	Viz. Mr. Mr. M.	1 -
5.6	Protective conductor	THE THE STEEL STEEL	N/A
5.6.2	Requirement for protective conductors	in My. My. My.	N/A
5.6.2.1	General requirements	t liet aliet mile un	N/A
5.6.2.2	Colour of insulation	111 12	N/A
5.6.3	Requirement for protective earthing conductors	WITER WITE WILL MILL	N/A
	Protective earthing conductor size (mm²):	at let set set	_
	Protective earthing conductor serving as a reinforced safeguard	THE WAY THE THE	N/A
A LEX	Protective earthing conductor serving as a double safeguard	and and any a	N/A
5.6.4	Requirements for protective bonding conductors	WHILE MUTTE MUTE MAY	N/A
5.6.4.1	Protective bonding conductors		N/A
24, 2,	Protective bonding conductor size (mm²):		_
5.6.4.2	Protective current rating (A):	ALTE MITE	N/A
5.6.5	Terminals for protective conductors	2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
5.6.5.1	Terminal size for connecting protective earthing conductors (mm):	Multin Multin Multing Ma	N/A
WALTE.	Terminal size for connecting protective bonding conductors (mm)	WALTER WALTER WALTER WALTER	N/A
5.6.5.2	Corrosion	LIER WILL WILL MALLE	N/A
5.6.6	Resistance of the protective bonding system		N/A
5.6.6.1	Requirements	THE WALL MALL AND A	N/A
5.6.6.2	Test Method:	at let let	N/A
5.6.6.3	Resistance (Ω) or voltage drop:	Mary Mary May All	N/A
5.6.7	Reliable connection of a protective earthing conductor	WALLER WHITE WALLER WALLE	N/A
5.6.8	Functional earthing	TER LIER SLIER BLIER	N/A
A S	Conductor size (mm²):	The things	N/A
Mrcce	Class II with functional earthing marking:	THE SALTER MALLER MALLER WI	N/A
t all	Appliance inlet cl & cr (mm):		N/A
5.7	Prospective touch voltage, touch current and pro	otective conductor current	N/A



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Clause	Requirement + Test	Result - Remark	Verdict
Me	THE THE LIFE	WILL WILL WILL	me me
5.7.2	Measuring devices and networks	The second	N/A
5.7.2.1	Measurement of touch current	WILL MALL MALL V	N/A
5.7.2.2	Measurement of voltage	at at let .	N/A
5.7.3	Equipment set-up, supply connections and earth connections	t at let de	N/A
5.7.4	Unearthed accessible parts:	MUTE MUTE MINE	N/A
5.7.5	Earthed accessible conductive parts:	· TEK STEK STEK	N/A
5.7.6	Requirements when touch current exceeds ES2 limits	of the tex	N/A
	Protective conductor current (mA)	Arr Mr. M. M.	N/A
The White	Instructional Safeguard	TEX SLIEN WILL NOT	N/A
5.7.7	Prospective touch voltage and touch current associated with external circuits	A LIER WILER	- N/A
5.7.7.1	Touch current from coaxial cables	An An An	N/A
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	White Marie V	N/A
5.7.8	Summation of touch currents from external circuits	THE MALTE WA	N/A
iek walie	a) Equipment connected to earthed external circuits, current (mA):	SE CLIFE WELL MILE	N/A
WALTEK.	b) Equipment connected to unearthed external circuits, current (mA)	TIES WIFE WIFE	N/A
5.8	Backfeed safeguard in battery backed up suppli	es	N/A
mer m	Mains terminal ES	No battery used	N/A
All J	Air gap (mm):	at at at	N/A

6	ELECTRICALLY- CAUSED FIRE Classification of PS and PIS		Р
6.2			Р
6.2.2	Power source circuit classifications:	All internal and output circuits are considered to be PS2 circuits.	MAP NITEK
6.2.3	Classification of potential ignition sources	ing my my my	N/A
6.2.3.1	Arcing PIS:	All internal circuits are not considered as arcing PIS.	N/A
6.2.3.2	Resistive PIS	(See appended table 6.2.3.2)	P



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6.3	Safeguards against fire under normal operating a conditions	and abnormal operating	P-
6.3.1	No ignition and attainable temperature value less than 90 % defined by ISO 871 or less than 300 °C for unknown materials	(See appended table B.1.5 and B.3, B.4)	TEIP W
er untie	Combustible materials outside fire enclosure:	Et JEH JEH RUE MIT	N/A
6.4	Safeguards against fire under single fault condition	ons	P
6.4.1	Safeguard method	Method by control of fire spread applied, Fire enclosure provided.	MP MITER
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	of the tex ries of	N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	which will the safe	N/A
6.4.3.1	Supplementary safeguards	anti mai ma mi	N/A
6.4.3.2	Single Fault Conditions:	(See appended table B.4)	N/A
<i>*</i>	Special conditions for temperature limited by fuse	The state of the s	N/A
6.4.4	Control of fire spread in PS1 circuits	White white w	N/A
6.4.5	Control of fire spread in PS2 circuits	4 11 3	P
6.4.5.2	Supplementary safeguards	Compliance detailed as follows: - Printed board: rated min. V-1 - Wire insulation(tubing): complying with clause 6.5. The internal cord are complied to UL 758 standard, which test method and testing condition equal to IEC/EN 60695-11-21 Enclosure: Min.V-2	P WALTER ALTER SERVICE
6.4.6	Control of fire spread in PS3 circuits	- Intell White White Whi	N/A
6.4.7	Separation of combustible materials from a PIS	at the the the	N/A
6.4.7.2	Separation by distance	MILL MUE MUE MUE MILL	N/A
6.4.7.3	Separation by a fire barrier	TEK TEK STEK BUTEK S	N/A
6.4.8	Fire enclosures and fire barriers	un un un m	N/A
6.4.8.2	Fire enclosure and fire barrier material properties	SEX OUTER WITH WALTE WAY	N/A
6.4.8.2.1	Requirements for a fire barrier	No fire barrier.	N/A
6.4.8.2.2	Requirements for a fire enclosure	RITE WALL WILL WILL	N/A



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aller .	an an an at the The	ALTER MITTER WALTER WATER	Miles
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	LIET STEEL WILLEY SHILL	N/A
6.4.8.3.1	Fire enclosure and fire barrier openings		N/A
6.4.8.3.2	Fire barrier dimensions	TEL MITE WALL WALL	N/A
6.4.8.3.3	Top openings and properties	L St. St. SET	N/A
71/2	Openings dimensions (mm):	Autic Aur Aug Au	N/A
6.4.8.3.4	Bottom openings and properties	TEX STEX STEX BUT	N/A
, st	Openings dimensions (mm):	Mr. Mr. Mr. Ang. Ang.	N/A
المال المالة	Flammability tests for the bottom of a fire enclosure	LIET SLIER WITE WHILE	N/A
et de	Instructional Safeguard:	and the second	N/A
6.4.8.3.5	Side openings and properties	EL WALLE WALL WALL O	N/A
JE STIFF	Openings dimensions (mm):	the let let is	N/A
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c)	and my and an	N/A
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating:	mult mill with with	N/A
6.4.9	Flammability of insulating liquid	2 July 24	N/A
6.5	Internal and external wiring	The Life of the Li	IL BUT
6.5.1	General requirements	See appended table 4.1.2.	Р
6.5.2	Requirements for interconnection to building wiring	White white white whi	N/A
6.5.3	Internal wiring size (mm²) for socket-outlets:	LIEF NIEF WITE WITE	N/A
6.6	Safeguards against fire due to the connection to	additional equipment	N/A

7	INJURY CAUSED BY HAZARDOUS SUBSTANCES	N/A
7.2	Reduction of exposure to hazardous substances	N/A
7.3	Ozone exposure	N/A
7.4	Use of personal safeguards or personal protective equipment (PPE)	N/A
NETER .	Personal safeguards and instructions:	_
7.5	Use of instructional safeguards and instructions	N/A
100	Instructional safeguard (ISO 7010):	_
7.6	Batteries and their protection circuits	N/A



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8	MECHANICALLY-CAUSED INJURY		P
8.2	Mechanical energy source classifications Safeguards against mechanical energy sources		N. P
8.3			N/A
8.4	Safeguards against parts with sharp edges and c	orners	Р
8.4.1	Safeguards	of the the street of	N/A
	Instructional Safeguard:	The Me M. on	N/A
8.4.2	Sharp edges or corners	STEE WITE WALTER WALT	N/A
8.5	Safeguards against moving parts	Silver at the	N/A
8.5.1	Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts	No moving parts.	N/A
* LEX	MS2 or MS3 part required to be accessible for the function of the equipment	See above.	N/A
any 1	Moving MS3 parts only accessible to skilled person	WILL MULTE MULTER WAY	N/A
8.5.2	Instructional safeguard:	at at let se	N/A
8.5.4	Special categories of equipment containing moving parts	With the tex	N/A
8.5.4.1	General	The main wat	N/A
8.5.4.2	Equipment containing work cells with MS3 parts	The The	N/A
8.5.4.2.1	Protection of persons in the work cell	Mr. Mr. M. M.	N/A
8.5.4.2.2	Access protection override	TEX SITER MITTER WAY	N/A
8.5.4.2.2.1	Override system	Mr. Mr. A.	N/A
8.5.4.2.2.2	Visual indicator	SLIER WILLE WILLE WILL	N/A
8.5.4.2.3	Emergency stop system	at the fifth	N/A
it lik	Maximum stopping distance from the point of activation (m):	CE WILL MAN AND	N/A
MUT.	Space between end point and nearest fixed mechanical part (mm):	white white whi wh	N/A
8.5.4.2.4	Endurance requirements	TIER WIFE WILLER WALL	N/A
ALTEK MINIT	Mechanical system subjected to 100 000 cycles of operation	THE THE STILL STILL	N/A
,4 _2\$	- Mechanical function check and visual inspection	ho me me m	N/A
in Muri	- Cable assembly:	SE CLIEB WITE WILL W	N/A
8.5.4.3	Equipment having electromechanical device for destruction of media	the telestical	N/A



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Olav	Defining the Table 18 18 18 18 18	Davis Davis	
Clause	Requirement + Test	Result - Remark	Verdict
8.5.4.3.1	Equipment safeguards	they am my my	N/A
8.5.4.3.2	Instructional safeguards against moving parts:	ALTER MITER MALTER MALTER	N/A
8.5.4.3.3	Disconnection from the supply		N/A
8.5.4.3.4	Cut type and test force (N):	THE WALLE WALL MILL OF	N/A
8.5.4.3.5	Compliance	t get get aget out	N/A
8.5.5	High pressure lamps	No high pressure lamps used.	N/A
WALLE W	Explosion test:	LITER MITER MALIER MALIER	N/A
8.5.5.3	Glass particles dimensions (mm):	THE STATE OF THE	N/A
8.6	Stability of equipment	WILL WILL MULL MULL	N/A
8.6.1	General	MS1: Mass of the unit	N/A
	Instructional safeguard:	Mer Mer Me M.	N/A
8.6.2	Static stability	- LIER ALTER MITER WALT	N/A
8.6.2.2	Static stability test	The transfer of the transfer o	N/A
8.6.2.3	Downward force test	NITER WILL WALL WALL	N/A
8.6.3	Relocation stability	The set	N/A
20	Wheels diameter (mm):	a function of	_
EF INCTES	Tilt test	The Country of	N/A
8.6.4	Glass slide test	24 24 24 24 24 2	N/A
8.6.5	Horizontal force test:	ALTER MITER MALTE MALLE	N/A
8.7	Equipment mounted to wall, ceiling or other struc	ture	N/A
8.7.1	Mount means type:	No wall or ceiling	N/A
8.7.2	Test methods	et set set stet stet o	N/A
70	Test 1, additional downwards force (N)	Mr. Mr. M. M.	N/A
MULLE	Test 2, number of attachment points and test force (N)	Whitek Whitek Whiteh White	N/A
WALTER WI	Test 3 Nominal diameter (mm) and applied torque (Nm):	UNITER WHITEK WHITE	N/A
8.8	Handles strength	TEX LIEX LIFE MITES.	N/A
8.8.1	General	No handles	N/A
8.8.2	Handle strength test	EK WITER WHITE WHITE WAS	N/A
t feet	Number of handles:	a at at at	_
29/2 /	Force applied (N)	WILL WILL WILL AND	2/1.



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	Clause	Requirement + Test	MULLI ME M	Result - Remark	Verdict

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	at let tet tet	N/A
8.10.1	General	No carts, stands or similar carriers	N/A
8.10.2	Marking and instructions	E WILL MULL AND AND	N/A
8.10.3	Cart, stand or carrier loading test	- let tet stet sist	N/A
20, 1	Loading force applied (N)	Mer Me Me Me	N/A
8.10.4	Cart, stand or carrier impact test	TER STER BUTER SMITE	N/A
8.10.5	Mechanical stability	A THE THE	N/A
The same	Force applied (N)	THE WITE WALL WHILE WALLE	10 -9
8.10.6	Thermoplastic temperature stability		N/A
8.11	Mounting means for slide-rail mounted equipmen	nt (SRME)	N/A
8.11.1	General	No such parts	N/A
8.11.2	Requirements for slide rails	The Market Street	N/A
NITE WILL	Instructional Safeguard:	THE MALTE	N/A
8.11.3	Mechanical strength test	The second	N/A
8.11.3.1	Downward force test, force (N) applied:	I WHILE MILL MILL MI	N/A
8.11.3.2	Lateral push force test	et tet tet at	N/A
8.11.3.3	Integrity of slide rail end stops	Mur. Mr. Mr. M.	N/A
8.11.4	Compliance	THE STIFF OUTER MITE	N/A
8.12	Telescoping or rod antennas	The sail sail	N/A
in Aur	Button/ball diameter (mm)	No such parts	72 —

9 🐠	THERMAL BURN INJURY	MULL WILL WE WILL	Р
9.2	Thermal energy source classifications	LET TEX TEX STE	P
9.3	Touch temperature limits	Mus Mer My My	Р
9.3.1	Touch temperatures of accessible parts:	(See appended table)	on Pul
9.3.2	Test method and compliance	1 70 2 2	P
9.4	Safeguards against thermal energy sources	TER WILL MILLE AND AND AND	Р
9.5	Requirements for safeguards	e at at at s	P
9.5.1	Equipment safeguard	Equipment safeguard	Р



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an .	MI M THE ST	the wife will make much	an
9.5.2	Instructional safeguard	: Instructional safeguard is not required	N/A
9.6	Requirements for wireless power transmitters	In In In In	Р
9.6.1	General	TER NITER WHITE WHITE W	P.V
9.6.2	Specification of the foreign objects		≯ P _S
9.6.3	Test method and compliance	ite white white white whi	Р
10	RADIATION		P
10.2	Radiation energy source classification	mer me me	Р
10.2.1	General classification	LED used for indicating light, classify RS1 classification	INCT P
TER SINGE	Lasers	LET THE STEEL WITH AN	_
L St	Lamps and lamp systems	C M. M. M. M.	_
MULL	Image projectors	E RUTE WALTE WALTER WALTER	_
JE+	X-Ray	the state of the	
111 21	Personal music player	write with the man	_
10.3	Safeguards against laser radiation		
ex Inite	The standard(s) equipment containing laser(s) comply	No laser radiation	N/A
10.4	Safeguards against optical radiation from lamp LED types)	os and lamp systems (including	PEN
10.4.1	General requirements	LED used for indicating light, classify RS1 classification	P
TEK OLI	Instructional safeguard provided for accessible radiation level needs to exceed	of the the text	N/A
4	Risk group marking and location	in we we we	N/A
MITE	Information for safe operation and installation	TE- LIER SLIER WITE SOUTH	N/A
10.4.2	Requirements for enclosures	The the state of	N/A
WINE W	UV radiation exposure	A WHILE MULTER MALLE MINITER	N/A
10.4.3	Instructional safeguard	the state of the	N/A
10.5	Safeguards against X-radiation	White Mury Auth Mury A	N/A
10.5.1	Requirements	No X-radiation	N/A
- 3°'	Instructional safeguard for skilled persons	in the sail of	_
10.5.3	Maximum radiation (pA/kg)	A St At AT THE	



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Clause	Requirement + Test	Ties an	Tr. Mr. M.	Result - Remark	A 10	Verdict

10.6	Safeguards against acoustic energy sources		N/A
10.6.1	General	No such equipment	N/A
10.6.2	Classification	at at alt all	N/A
	Acoustic output L _{Aeq,T} , dB(A):	Water Muse Missians	N/A
IF WITE	Unweighted RMS output voltage (mV)::	is the tex steet	N/A
	Digital output signal (dBFS)::	Mr. Mr. M.	N/A
10.6.3	Requirements for dose-based systems	ALTER MITER WALTER AN	N/A
10.6.3.1	General requirements	s s st st s	N/A
10.6.3.2	Dose-based warning and automatic decrease	altitudity with mit	N/A
10.6.3.3	Exposure-based warning and requirements	at let let let	N/A
211	30 s integrated exposure level (MEL30):	r Aur Aur Au	N/A
WALTER	Warning for MEL ≥ 100 dB(A):	et the steet street.	N/A
10.6.4	Measurement methods	M. M. M.	N/A
10.6.5	Protection of persons	WILE MULE MULE AND	N/A
All S	Instructional safeguards:		N/A
10.6.6	Requirements for listening devices (headphones, earphones, etc.)	the the	N/A
10.6.6.1	Corded listening devices with analogue input	I WHILL MULL MULL	N/A
NLTER.	Listening device input voltage (mV)	t fet fet stet	N/A
10.6.6.2	Corded listening devices with digital input	Mr. Mr. M. M.	N/A
in Life and	Max. acoustic output L _{Aeq,T} , dB(A):	LIET OLIER WILES AND	N/A
10.6.6.3	Cordless listening devices	31 34 3	N/A
Mi	Max. acoustic output L _{Aeq,T} , dB(A):	WIEL WITE WALTE WALTE	N/A

В	NORMAL OPERATING CONDITION TESTS, ABNORMAL OPERATING CONDITION TESTS AND SINGLE FAULT CONDITION TESTS		Р
B.1	General	white mer mer me	Р
B.1.5	Temperature measurement conditions	(See appended table B.1.5)	TP J
B.2	Normal operating conditions		Р
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	P
MULIC	Audio Amplifiers and equipment with audio amplifiers:	(See Annex E)	N/A



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in and	IEC 62368-1	the write write was	alle
Clause	Requirement + Test	Result - Remark	Verdict
Me	un u	antit water water war	- apr
B.2.3	Supply voltage and tolerances	Use an external adapter for power supply.	MILIP.
B.2.5	Input test:	(See appended table B.2.5)	Р
B.3	Simulated abnormal operating conditions	LIFE MITE WALL WILL W	P _{1/l}
B.3.1	General	(See appended table B.3)	P
B.3.2	Covering of ventilation openings	mer me me	N/A
MALTER	Instructional safeguard:	Instructional safeguard is not required.	N/A
B.3.3	DC mains polarity test	LET THE LIEF SITES	N/A
B.3.4	Setting of voltage selector	No voltage selector used.	N/A
B.3.5	Maximum load at output terminals	(See appended table B.3&B.4)	P ₍₁₎
B.3.6	Reverse battery polarity	No such battery	N/A
B.3.7	Audio amplifier abnormal operating conditions	WILL MILL MILL WILL	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions:	All safeguards remained effective	MIL PIE
B.4	Simulated single fault conditions 错误!未指定书签		Р
B.4.1	General	any my	Р
B.4.2	Temperature controlling device	No such device used.	N/A
B.4.3	Blocked motor test	No motors used.	N/A
B.4.4	Functional insulation	(See appended table B.3, B.4)	WP.
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.3, B.4)	Р
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.3, B.4)	P
B.4.4.3	Short circuit of functional insulation on coated printed boards	ite white white white we	N/A
B.4.5	Short-circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.3, B.4)	₹P
B.4.6	Short circuit or disconnection of passive components	(See appended table B.3, B.4)	JIN P
B.4.7	Continuous operation of components	The EUT is continuous operating type and no such components intended for short time operation or intermittent operation	N/A



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- Mar			41,
B.4.8	Compliance during and after single fault conditions	(See appended table B.3, B.4)	MILIP.
B.4.9	Battery charging and discharging under single fault conditions	(See Annex M)	N/A
С	UV RADIATION		N/A
C.1	Protection of materials in equipment from UV rac	diation	N/A
C.1.2	Requirements	No such UV generated from the equipment.	N/A
C.1.3	Test method	and the second second	N/A
C.2	UV light conditioning test	Will Mill Mill Mill	N/A
C.2.1	Test apparatus:	et let let liet o	N/A
C.2.2	Mounting of test samples	Mr. Mr. M. M.	N/A
C.2.3	Carbon-arc light-exposure test	- LIEK SLIEK MLIER WALT	N/A
C.2.4	Xenon-arc light-exposure test	The state of the	N/A
D	TEST GENERATORS		N/A
D.1	Impulse test generators	TEX TEX	N/A
D.2	Antenna interface test generator	and any a	N/A
D.3	Electronic pulse generator	E TE LIFE NITE IN	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAININ	NG AUDIO AMPLIFIERS	N/A
E.1	Electrical energy source classification for audio	signals	N/A
(EK	Maximum non-clipped output power (W):	the state of the	_
me m	Rated load impedance (Ω):	rite mer mer mer.	_
TER WIL	Open-circuit output voltage (V)	EX TEX STEX STEX S	_
٠, ١	Instructional safeguard:	my my m	_
E.2	Audio amplifier normal operating conditions	ALTER OUTER WALTER WALL	N/A
. Elik	Audio signal source type:	10 x 2x 2x	_
21127 2	Audio output power (W):	WALTER WALTER WALTER WALTER	
alter of	Audio output voltage (V):	et let let let	_
, on	Rated load impedance (Ω):	in mer me	_
LE MALIE	Requirements for temperature measurement	it with white white	N/A
E.3	Audio amplifier abnormal operating conditions	242 24 24 25	N/A



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F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND INSTRUCTIONAL SAFEGUARDS		
F.1	General	W W	Р
the Man	Language:	TEL MITE WALTE WALTE W	_
F.2	Letter symbols and graphical symbols	a state of	Р
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	P
F.2.2	Graphic symbols according to IEC, ISO or manufacturer specific	Graphical symbols are complied with IEC 60417, ISO 3864-2, ISO 7000 or ISO 7010.	PLIT P
F.3	Equipment markings	Mr. Mr. Mr.	Р
F.3.1	Equipment marking locations	The required marking is located on the enclosure of the equipment and is easily visible.	ON LIEK
F.3.2	Equipment identification markings	See below for details.	ું¢ P
F.3.2.1	Manufacturer identification	See copy of marking plate	Р
F.3.2.2	Model identification	See copy of marking plate	Р
F.3.3	Equipment rating markings	111 111 111 11	N/A
F.3.3.1	Equipment with direct connection to mains	OLITER MITE WALLE WALLE	N/A
F.3.3.2	Equipment without direct connection to mains	Use an external adapter for power supply.	INLT P
F.3.3.3	Nature of the supply voltage:	a state of	N/A
F.3.3.4	Rated voltage:	ite with mit mit on	N/A
F.3.3.5	Rated frequency	DC supply	N/A
F.3.3.6	Rated current or rated power	MULT. MULT MILL AND	N/A
F.3.3.7	Equipment with multiple supply connections	TEX SLIER WITE WITE	N/A
F.3.4	Voltage setting device	un the state of	N/A
F.3.5	Terminals and operating devices	LIE MLIE WALLE WALL	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings	Et TIEK NITER MITER WAY	N/A
F.3.5.2	Switch position identification marking	The state of	N/A
F.3.5.3	Replacement fuse identification and rating markings	white white wall will	N/A



TER WILL	No W1F24D112040461	IEC 62368-1	TEX STEE INTER WITH	NUTLE MUTE
Clause	Requirement + Test	MULL MAT ON	Result - Remark	Verdict
alle	14, 14, 2,	and the state	MILLE WILL WILL	are ar

71/2 1	W W THE THE	NITE WILL WALL WALL	Me
et.	Instructional safeguards for neutral fuse	The second second	N/A
F.3.5.4	Replacement battery identification marking:	WILL MULL MULL AND	N/A
F.3.5.5	Neutral conductor terminal	at at let jet	N/A
F.3.5.6	Terminal marking location	The Me Me a	N/A
F.3.6	Equipment markings related to equipment classification	Whitek unlifes unlifes unit	N/A
F.3.6.1	Class I equipment	et tet tet atte	N/A
F.3.6.1.1	Protective earthing conductor terminal	mer me me m	N/A
F.3.6.1.2	Protective bonding conductor terminals	TEX STEX SLIER WITER	N/A
F.3.6.2	Equipment class marking:	15. 24. 24. 24.	N/A
F.3.6.3	Functional earthing terminal marking:	EX WITE WHITE WHITE AND	N/A
F.3.7	Equipment IP rating marking:	x & # # #	N/A
F.3.8	External power supply output marking:	See copy of marking plate.	Р
F.3.9	Durability, legibility and permanence of marking	Marking is considered to be legible and easily discernible. See also the following details.	MAI P
F.3.10	Test for permanence of markings	The label was subjected to the permanence of marking test. The label was rubbed with cloth soaked with water for 15 sec. And then again for 15 sec. With the cloth soaked with petroleum spirit. After this test there was no damage to the label. The marking on the label did not fade. There was no curling and lifting of the label edge.	PARTER WALLES
F.4	Instructions	A WILL WILL MALLE MALL	Р
TEX.	a) Information prior to installation and initial use	at the life of	P
" AI" " AII	b) Equipment for use in locations where children not likely to be present	white whit whit whit	N/A
VEL MUE	c) Instructions for installation and interconnection	LIER WILL MULTER WHILE WHILE	N/A
IEK WATTER	d) Equipment intended for use only in restricted access area	et stet stiet skiet	N/A
+ 11+	e) Equipment intended to be fastened in place	711	N/A
WILL I	f) Instructions for audio equipment terminals	SLIFE MITE WALL WALL	N/A



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	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
M	g) Protective earthing used as a safeguard	Anti Anti Mar Ma	N/A
mr.t. m	h) Protective conductor current exceeding ES2 limits	Will Mulice Mulice Mulice	N/A
The All	i) Graphic symbols used on equipment	TEX SLIES WLIE WHITE S	N/A
EX WALTER	j) Permanently connected equipment not provided with all-pole mains switch	t lifet slifet mifet ini	N/A
N. TEK	k) Replaceable components or modules providing safeguard function	the text text with	N/A
20, 4	I) Equipment containing insulating liquid	mer mer m	N/A
INLIE WY	m) Installation instructions for outdoor equipment	THE LIFE OUTER MITE	N/A
F.5	Instructional safeguards	L. M. A.	N/A
G	COMPONENTS		P
G.1	Switches	and the set of	N/A
G.1.1	General	No switches used	N/A
G.1.2	Ratings, endurance, spacing, maximum load	LET LET LIET STEET	N/A
G.1.3	Test method and compliance	nri ur ur	N/A
G.2	Relays		N/A
G.2.1	Requirements	No relay used.	N/A
G.2.2	Overload test	Write write write we	N/A
G.2.3	Relay controlling connectors supplying power to other equipment	BUTER MUTER WHITE	N/A
G.2.4	Test method and compliance	a state of	N/A
G.3	Protective devices	WILL MULL MULL MULL	N/A
G.3.1	Thermal cut-offs	No thermal cut-offs provided within the equipment.	N/A
EX WITEK	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	WALTER WALTER WALTER WAL	N/A
WALTER	Thermal cut-outs tested as part of the equipment as indicated in c)	MITER WHITE WHITE	N/A
G.3.1.2	Test method and compliance	at let let let	N/A
G.3.2	Thermal links	No thermal links used.	N/A
G.3.2.1	a) Thermal links tested separately according to IEC 60691 with specifics	ex whitex whitex whitex wh	N/A
£ 550	b) Thermal links tested as part of the equipment	at at at a	N/A



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211	IEC 62368-1	it with our win	20, 20,
Clause	Requirement + Test	Result - Remark	Verdict
G.3.2.2	Test method and compliance	MULL MULL MULL	N/A
G.3.3	PTC thermistors	TEL LIEN SLIEN	N/A
G.3.4		ing the same	N/A
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Overcurrent protection devices	THE RESERVE OF THE PARTY OF THE	3. " " " " " " " " " " " " " " " " " " "
G.3.5	Safeguards components not mentioned in G.3.1 to G.3.4	t lit lit it	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	whit mit with	N/A
G.3.5.2	Single faults conditions:	MULL MAL MAL	N/A
G.4	Connectors	At 1st 1st.	N/A
G.4.1	Spacings	her my my my	N/A
G.4.2	Mains connector configuration	EX SITEX RITER SINI	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	TER TIER WILLER	N/A
G.5	Wound components	an an an	N/A
G.5.1	Wire insulation in wound components	OLIER WALTER WALTER	N/A
G.5.1.2	Protection against mechanical stress		N/A
G.5.2	Endurance test	and the sale	N/A
G.5.2.1	General test requirements	A STATE OF	N/A
G.5.2.2	Heat run test	mr. m. m.	N/A
WALLE	Test time (days per cycle)	LIER WITER WITER	White -
At .	Test temperature (°C):	The state of	at -
G.5.2.3	Wound components supplied from the mains	NITE WALTE WALT W	N/A
G.5.2.4	No insulation breakdown	at at let	N/A
G.5.3	Transformers	in must meet me	N/A
G.5.3.1	Compliance method:	LIER STEE STEE	N/A
J. Or	Position:	The The Table	N/A
Mr. M	Method of protection:	WITE MILIE WALLE	N/A
G.5.3.2	Insulation	at at at	N/A
74/	Protection from displacement of windings:	VITTE MUTIT MUTI M	<u> </u>
G.5.3.3	Transformer overload tests	et tet tet st	N/A
G.5.3.3.1	Test conditions	my my m	N/A
G.5.3.3.2	Winding temperatures	THE STATE OF THE	N/A



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240	IEC 62368-1	it with the ship	21/2 211
Clause	Requirement + Test	Result - Remark	Verdict
G.5.3.3.3	Winding temperatures, alternative test method	There in many one	N/A
	Winding temperatures - alternative test method	THE TOP WELL	N/A
G.5.3.4	Transformers using FIW	ing me me a	N/A
G.5.3.4.1	General	THE STEET WITER SILV	N/A
4 3	FIW wire nominal diameter:	L M. M. M.	
G.5.3.4.2	Transformers with basic insulation only	16 TILLER WHITE WHITE	N/A
G.5.3.4.3	Transformers with double insulation or reinforced insulation	t tet street sciret	N/A
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	TEX TEX TEX	N/A
G.5.3.4.5	Thermal cycling test and compliance	no me me	N/A
G.5.3.4.6	Partial discharge test	THE SLIET WITE WAL	N/A
G.5.3.4.7	Routine test	The Charles	N/A
G.5.4	Motors	No motors used.	N/A
G.5.4.1	General requirements	at at let	N/A
G.5.4.2	Motor overload test conditions	MULL MULL MULL A	N/A
G.5.4.3	Running overload test	att The state of	N/A
G.5.4.4.2	Locked-rotor overload test	1 24 24	N/A
MULLE	Test duration (days):	TE OLITE MITTER ONLIN	mr —
G.5.4.5	Running overload test for DC motors	A A A	N/A
G.5.4.5.2	Tested in the unit	White white while	N/A
G.5.4.5.3	Alternative method	et let let	N/A
G.5.4.6	Locked-rotor overload test for DC motors	weigner in a	N/A
G.5.4.6.2	Tested in the unit	LEK LIEK NITER IN	N/A
+ .6+	Maximum Temperature:	20, 20, 70	N/A
G.5.4.6.3	Alternative method	E INLIER WALTE	N/A
G.5.4.7	Motors with capacitors	at at at	N/A
G.5.4.8	Three-phase motors	MULTE WALL WALL	N/A
G.5.4.9	Series motors	TEX TEX STER	N/A
- N	Operating voltage:	no my me m	
G.6	Wire Insulation	TEX SITES WITES MILI	N/A
G.6.1	General	211 -111 12	N/A
G.6.2	Enamelled winding wire insulation	THE RULE WITE	N/A



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Reference	NO.: W 1 F 2 4 D 1 1 2 0 4 0 4 8 Y	Page 30 of 59	
The William		IEC 62368-1	
Clause	Requirement + Test	Result - Rema	ark Verdict

G.7	Mains supply cords	N/A
G.7.1	General requirements	N/A
THE ST	Туре:	et let -
G.7.2	Cross sectional area (mm² or AWG):	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	N/A
G.7.3.2	Cord strain relief	N/A
G.7.3.2.1	Requirements	N/A
Wise and	Strain relief test force (N):	N/A
G.7.3.2.2	Strain relief mechanism failure	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	N/A
G.7.3.2.4	Strain relief and cord anchorage material	N/A
G.7.4	Cord Entry	N/A
G.7.5	Non-detachable cord bend protection	N/A
G.7.5.1	Requirements	
G.7.5.2	Test method and compliance	N/A
EX WALTER	Overall diameter or minor overall dimension, <i>D</i> (mm):	A MUTER MUT
- TEX	Radius of curvature after test (mm):	A A -
G.7.6	Supply wiring space	W N/A
G.7.6.1	General requirements	N/A
G.7.6.2	Stranded wire	N/A
G.7.6.2.1	Requirements	N/A
G.7.6.2.2	Test with 8 mm strand	N/A
G.8	Varistors	N/A
G.8.1	General requirements	N/A
G.8.2	Safeguards against fire	N/A
G.8.2.1	General	N/A
G.8.2.2	Varistor overload test	N/A
G.8.2.3	Temporary overvoltage test	N/A
G.9	Integrated circuit (IC) current limiters	- N/A
G.9.1	Requirements	N/A



	IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
alie,	We will the television	CLIEB MILE WALL WALL WALL	ans
LEF .	IC limiter output current (max. 5A):		_
	Manufacturers' defined drift:	MITE WALL WALL WALL WALL	
G.9.2	Test Program	the tex the street of	N/A
G.9.3	Compliance	in my my m	N/A
G.10	Resistors	EX JEX NITER MITER WAL	N/A
G.10.1	General	THE THE THE THE	N/A
G.10.2	Conditioning	NITER MITE WALL WALL	N/A
G.10.3	Resistor test	a at the set	N/A
G.10.4	Voltage surge test	Write Murie Mure Mile .	N/A
G.10.5	Impulse test	at the the state of	N/A
G.10.6	Overload test	me me m	N/A
G.11	Capacitors and RC units	ALTER OUTER MULTER MALL	N/A
G.11.1	General requirements	The state of the	N/A
G.11.2	Conditioning of capacitors and RC units	WILL MULTE MULTE MULTER	N/A
G.11.3	Rules for selecting capacitors	TEX TEX	N/A
G.12	Optocouplers	2 Mr. Mr. 21	N/A
WALTE	Optocouplers comply with IEC 60747-5-5 with specifics	WALLE WALLE WAL	N/A
MITER	Type test voltage V _{ini,a} :	TEX STEX NITER ONLY	_
.	Routine test voltage, V _{ini, b} :	Mr. Mr. Mr.	_
G.13	Printed boards	NITER MITER WALTER WALTER	ır P ⊲
G.13.1	General requirements	Approved Printed board used	P
G.13.2	Uncoated printed boards	The insulation between conductors on the outer surfaces of an uncoated printed board complied with the minimum clearance and creepage requirements	P

No coated printed board or

multilayer board applied for within the equipment.

N/A

N/A

N/A

surface

G.13.3

G.13.4

G.13.5

Coated printed boards

Insulation between conductors on the same inner

Insulation between conductors on different surfaces



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TOTOTOTO	110 1111 240 112040401	1 age 02 01 00		
The MULL		IEC 62368-1		
Clause	Requirement + Test	WILL MAN W	Result - Remark	Verdict
	11/2 11/2 20 20			. CV . UV .

Clause	Requirement + Test	Result - Remark	Verdic
ale 1	n n the television	The state of the s	1/1
Et .	Distance through insulation	a state of the	N/A
m, m	Number of insulation layers (pcs):	WILL MUTTE MUTE MUTE	-
G.13.6	Tests on coated printed boards	ex sex sex sign	N/A
G.13.6.1	Sample preparation and preliminary inspection	in the man	N/A
G.13.6.2	Test method and compliance	t lift alies alies	N/A
G.14	Coating on components terminals	The American	N/A
G.14.1	Requirements	STILL WILL MULT AND	N/A
G.15	Pressurized liquid filled components	a st set tel	N/A
G.15.1	Requirements	Hite Muli Muli Muli	N/A
G.15.2	Test methods and compliance	et let just will	N/A
G.15.2.1	Hydrostatic pressure test	m m	N/A
G.15.2.2	Creep resistance test	LIER OUTER WITE MY	N/A
G.15.2.3	Tubing and fittings compatibility test	The The Table	N/A
G.15.2.4	Vibration test	CHIEF WITE WILL WALL	N/A
G.15.2.5	Thermal cycling test	A THE SET	N/A
G.15.2.6	Force test	2 July My	N/A
G.15.3	Compliance	The Life Life	N/A
G.16	IC including capacitor discharge function (ICX)		N/A
G.16.1	Condition for fault tested is not required	No such IC used	N/A
et .	ICX with associated circuitry tested in equipment	The state of the	N/A
ne m	ICX tested separately	NITE WALTE WALTE WALTE	N/A
G.16.2	Tests	at let let let	N/A
Et TIEK	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	The first the	\$
TEX.	Mains voltage that impulses to be superimposed on	Mur Aug Aug Aug	
July July	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test	mit met met mit	-
G.16.3	Capacitor discharge test:	THE MUTTER MUTTER MUTTER	N/A
Н	CRITERIA FOR TELEPHONE RINGING SIGNALS		N/A
H.1	General Andrews Andrew		N/A
H.2	.2 Method A		N/A



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Reference	NO.: VV 1F24D 11204048 Y	Page 33 01 59		it is the
The William		IEC 62368-1		
Clause	Requirement + Test	nnti vin vii Re	esult - Remark	Verdict

H.3	Method B	N/A
H.3.1	Ringing signal	N/A
H.3.1.1	Frequency (Hz):	* 18t -
H.3.1.2	Voltage (V)	m
H.3.1.3	Cadence; time (s) and voltage (V):	OLITET AIRLI —
H.3.1.4	Single fault current (mA):	<u> </u>
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	N/A
H.3.2.2	Tripping device	N/A
H.3.2.3	Monitoring voltage (V)	N/A
J	INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION	N/A
J.1	General	N/A
	Winding wire insulation:	
TILE WA	Solid round winding wire, diameter (mm):	N/A
EK WALTE	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²):	N/A
J.2/J.3	Tests and Manufacturing	
K	SAFETY INTERLOCKS	N/A
K.1	General requirements	N/A
11 12	Instructional safeguard:	N/A
K.2	Components of safety interlock safeguard mechanism	N/A
K.3	Inadvertent change of operating mode	N/A
K.4	Interlock safeguard override	N/A
K.5	Fail-safe Fail-safe	N/A
K.5.1	Under single fault condition	N/A
K.6	Mechanically operated safety interlocks	N/A
K.6.1	Endurance requirement	N/A
K.6.2	Test method and compliance	N/A
K.7	Interlock circuit isolation	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements	N/A



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TOTOTOTO	110 1111 240 112040401	1 age 0+ 01 00		
The MUTT.		IEC 62368-1		
Clause	Requirement + Test	MULL MAN W	Result - Remark	Verdict
	11/2 11/2 11/1 11/2			- CV - 112

Clause	Requirement + Test	Result - Remark	verdic
Mer	THE THE THE	alter with whit was	als.
	In circuit connected to mains, separation distance for contact gaps (mm)	STEET STEET STATES	N/A
LIFEK WAL	In circuit isolated from mains, separation distance for contact gaps (mm):	TEX TEX STEX STEEL	N/A
EX NUTEX	Electric strength test before and after the test of K.7.2	(See appended table 5.4.9)	N/A
K.7.2	Overload test, Current (A):	ALL ALL ALL	N/A
K.7.3	Endurance test	SLIEF WITE WITE WALL	N/A
K.7.4	Electric strength test	and the state of	N/A
ter in	DISCONNECT DEVICES	MITE WALL WALL WILL .	N/A
L.A CO	General requirements	of the the state of	N/A
L.2	Permanently connected equipment	we we me	N/A
L.3	Parts that remain energized	- LIEK NIEK MITER WAL	N/A
L.4	Single-phase equipment	An an an	N/A
L.5	Three-phase equipment	CHIEF WILLE WALLE WALL	N/A
L.6	Switches as disconnect devices	A A A A A A A A A A A A A A A A A A A	N/A
L.7	Plugs as disconnect devices	A Char May 2	N/A
L.8	Multiple power sources	The Life of the second	N/A
	Instructional safeguard:	Mr. Mr. Mr.	N/A
M	EQUIPMENT CONTAINING BATTERIES AND THEIR PROTECTION CIRCUITS		N/A
M.1	General requirements		N/A
M.2	Safety of batteries and their cells		N/A
M.2.1	Batteries and their cells comply with relevant IEC standards:	No such battery used	N/A
M.3	Protection circuits for batteries provided within the equipment	Antiek watek watek wat	N/A
M.3.1	Requirements	at let tet tel	N/A
M.3.2	Test method	MULT MALL MALL MARKET	N/A
NLTER WA	Overcharging of a rechargeable battery	TEX TEX STEX STEE	N/A
AUTER	Excessive discharging	in the the the	N/A
	Unintentional charging of a non-rechargeable battery	at white white white wh	N/A
	Reverse charging of a rechargeable battery	THE LIFE STEE WIT	N/A



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Reference	NO.: VV 1F24D 11204048 Y	Page 35 of 59		
The William		IEC 62368-1		
Clause	Requirement + Test	WILL MY MI	Result - Remark	Verdict

M.3.3	Compliance	N/A
M.4	Additional safeguards for equipment containing a portable secondary lithium battery	
M.4.1	General	N/A
M.4.2	Charging safeguards	N/A
M.4.2.1	Requirements	N/A
M.4.2.2	Compliance	N/A
M.4.3	Fire enclosure	N/A
M.4.4	Drop test of equipment containing a secondary lithium battery	N/A
M.4.4.2	Preparation and procedure for the drop test	N/A
M.4.4.3	Drop, Voltage on reference and dropped batteries (V); voltage difference during 24 h period (%)::	N/A
M.4.4.4	Check of the charge/discharge function	N/A
M.4.4.5	Charge / discharge cycle test	N/A
M.4.4.6	Compliance	N/A
M.5	Risk of burn due to short-circuit during carrying	
M.5.1	Requirement	N/A
M.5.2	Test method and compliance	N/A
M.6	Safeguards against short-circuits	
M.6.1	External and internal faults	
M.6.2	Compliance	N/A
M.7	Risk of explosion from lead acid and NiCd batteries	
M.7.1	Ventilation preventing explosive gas concentration	N/A
MILTER	Calculated hydrogen generation rate:	N/A
M.7.2	Test method and compliance	N/A
Mer M	Minimum air flow rate, Q (m³/h)	N/A
M.7.3	Ventilation tests	N/A
M.7.3.1	General	N/A
M.7.3.2	Ventilation test – alternative 1	N/A
-30	Hydrogen gas concentration (%)	N/A
M.7.3.3	Ventilation test – alternative 2	N/A



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		rage 30 01 39	Reference No.: WTF24DT1204048T	
		IEC 62368-1		The White
Verdict	Result - Remark	White who we	Requirement + Test	Clause
	result - Remark	<u> </u>	Trequirement + rest	Clause

Me	AN AN A THE THE MALE WALL WALL AND	Me
18th	Obtained hydrogen generation rate:	N/A
M.7.3.4	Ventilation test – alternative 3	N/A
CIEN OU	Hydrogen gas concentration (%):	N/A
M.7.4	Marking:	N/A
M.8	Protection against internal ignition from external spark sources of batteries with aqueous electrolyte	N/A
M.8.1	General	N/A
M.8.2	Test method	N/A
M.8.2.1	General	N/A
M.8.2.2	Estimation of hypothetical volume V _Z (m³/s):	16th-
M.8.2.3	Correction factors:	-41
M.8.2.4	Calculation of distance d (mm):	E 10-1
M.9	Preventing electrolyte spillage	N/A
M.9.1	Protection from electrolyte spillage	N/A
M.9.2	Tray for preventing electrolyte spillage	N/A
M.10	Instructions to prevent reasonably foreseeable misuse	N/A
Mer	Instructional safeguard:	N/A
N JEF	ELECTROCHEMICAL POTENTIALS	
211	Material(s) used:	40
0.50	MEASUREMENT OF CREEPAGE DISTANCES AND CLEARANCES	
	Value of <i>X</i> (mm)	1
P W	SAFEGUARDS AGAINST CONDUCTIVE OBJECTS	
P.1	General	N/A
P.2	Safeguards against entry or consequences of entry of a foreign object	N/A
P.2.1	General	N/A
P.2.2	Safeguards against entry of a foreign object	N/A
NLTE WA	Location and Dimensions (mm):	Vri _
P.2.3	Safeguards against the consequences of entry of a foreign object	N/A
P.2.3.1	Safeguard requirements	N/A



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	·	Page 37 01 39	NO W 1 F 24 D 1 1 2 0 4 0 4 0 1	/elelelice
		IEC 62368-1		
Verdi	Result - Remark	The Will My A	Requirement + Test	Clause
IK	Result - Rema	74, 2	Requirement + rest	Clause

m.	and an anti- and and and	an
	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment	N/A
LIEK WAL	Transportable equipment with metalized plastic parts:	N/A
P.2.3.2	Consequence of entry test	N/A
P.3	Safeguards against spillage of internal liquids	N/A
P.3.1	General	N/A
P.3.2	Determination of spillage consequences	N/A
P.3.3	Spillage safeguards	N/A
P.3.4	Compliance	N/A
P.4	Metallized coatings and adhesives securing parts	N/A
P.4.1	General	N/A
P.4.2	Tests	N/A
JEK .	Conditioning, T _C (°C)	t Liet
111 11	Duration (weeks)	-
Q N	CIRCUITS INTENDED FOR INTERCONNECTION WITH BUILDING WIRING	N/A
Q.1	Limited power sources	N/A
Q.1.1	Requirements	N/A
- JEK	a) Inherently limited output	N/A
7112	b) Impedance limited output	N/A
WITEK SI	c) Regulating network limited output	N/A
· · · · ·	d) Overcurrent protective device limited output	N/A
iter whit	e) IC current limiter complying with G.9	N/A
Q.1.2	Test method and compliance	N/A
MULT	Current rating of overcurrent protective device (A)	N/A
Q.2	Test for external circuits – paired conductor cable	N/A
Vrie Mili	Maximum output current (A):	N/A
Et (TE	Current limiting method	36th -
R	LIMITED SHORT CIRCUIT TEST	N/A
R.1	General	N/A
R.2	Test setup	N/A



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The Maria		IEC 62368-1	
Clause	Requirement + Test	Resul	It - Remark Verdic

	Overcurrent protective device for test:	-1
R.3	Test method	N/A
STEP S	Cord/cable used for test:	LIFE .
R.4	Compliance	N/A
System	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
*	Samples, material:	200
West of	Wall thickness (mm)	100
16th 20	Conditioning (°C)	56th-
# JE	Test flame according to IEC 60695-11-5 with conditions as set out	N/A
24	- Material not consumed completely	N/A
OLIER	- Material extinguishes within 30s	N/A
×-	- No burning of layer or wrapping tissue	N/A
S.2	Flammability test for fire enclosure and fire barrier integrity	N/A
et s	Samples, material:	() - ()
2h	Wall thickness (mm)	7/1/2
CLIER	Conditioning (°C)	- 10-17 E
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
r. av	Mounting of samples:	الىا
K CLIFE	Wall thickness (mm):	1 10 L
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
1. 10	Samples, material:	`
IER WAL	Wall thickness (mm):	16. M
	Conditioning (°C):	L —



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Veletelice	NO W 1 F 2 4 D 1 1 2 0 4 0 4 6 1	rage 39 01 39		
With MULL		IEC 62368-1		it while whi
Clause	Requirement + Test	CALLY AND AND	Result - Remark	Verdict

- Apr.	No. of the state o	White Mail Mar Mar	201
T	MECHANICAL STRENGTH TESTS	The set set	N/A
T.1 <	General	WILL MULL MULL MULL	N/A
T.2	Steady force test, 10 N:	at let let let	N/A
T.3	Steady force test, 30 N:	is the the man	N/A
T.4	Steady force test, 100 N:	et liter alies miles and	N/A
T.5	Steady force test, 250 N:	7/1 2/2 - 1	N/A
T.6	Enclosure impact test	OLIER MITTER MALTE MALL	N/A
	Fall test	at at left left	N/A
V. 11	Swing test	VILLE MULL MULL MULL	N/A
T.7	Drop test:	at lest the little o	N/A
T.8	Stress relief test:	Mer Mer My M	N/A
T.9	Glass Impact Test:	2 TEX STEX RUFER WALT	N/A
T.10	Glass fragmentation test		N/A
W. C.	Number of particles counted	No such glass	N/A
T.11	Test for telescoping or rod antennas		N/A
ek i	Torque value (Nm):	No such antennas provided within the equipment.	N/A
U vii	MECHANICAL STRENGTH OF CATHODE RAY TU PROTECTION AGAINST THE EFFECTS OF IMPLO	. 0	N/A
U.1	General	MALTE WALTE WALTE WALTE	N/A
JALTEK O	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	it mil mil met m	N/A
م المال	DETERMINATION OF ACCESSIBLE PARTS	et fet stet stet at	N/A
V.1	Accessible parts of equipment	My Any An an an	N/A
V.1.1	General	LIEF NIET MITE MITE	N/A
V.1.2	Surfaces and openings tested with jointed test probes	Liet wifet writer	N/A
V.1.3	Openings tested with straight unjointed test probes		N/A
V.1.4	Plugs, jacks, connectors tested with blunt probe	TET STATE WALL WALL ON	N/A
V.1.5	Slot openings tested with wedge probe	s at the state of	N/A
V.1.6	Terminals tested with rigid test wire	antil mail mail mar	N/A



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Telefelice IV	0 WII 24D I 1204040 I	1 age 40 01 33		10
The William		IEC 62368-1		T. WILL
Clause	Requirement + Test	LE MULLI MA MILL	Result - Remark	Verdict

V.2	Accessible part criterion	In the second	N/A
X V	ALTERNATIVE METHOD FOR DETERMINING CLE IN CIRCUITS CONNECTED TO AN AC MAINS NOT (300 V RMS)	the state of the s	N/A
d .0	Clearance	The same of the sa	N/A
Y WELL	CONSTRUCTION REQUIREMENTS FOR OUTDOO	R ENCLOSURES	N/A
Y.1	General	Indoor equipment	N/A
Y.2	Resistance to UV radiation	White Mile Mile Mile Mile	N/A
Y.3	Resistance to corrosion	TEX TEX STEX SITES	N/A
Y.3	Resistance to corrosion	in my my	N/A
Y.3.1	Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by:	Et Miller Miller Miller Mi	N/A
Y.3.2	Test apparatus	- LIEK NITER MITER WALT	N/A
Y.3.3	Water – saturated sulphur dioxide atmosphere	An an an an	N/A
Y.3.4	Test procedure	WITE WALL MALL MALL	N/A
Y.3.5	Compliance	THE THE	N/A
Y.4	Gaskets	and any a	N/A
Y.4.1	General	The life wife in	N/A
Y.4.2	Gasket tests	Me An An An	N/A
Y.4.3	Tensile strength and elongation tests	NITER MITER WALTER WALTER	N/A
, et	Alternative test methods:	A ST ST SET	N/A
Y.4.4	Compression test	NITE WALL WALL WALL	N/A
Y.4.5	Oil resistance	et let let let let	N/A
Y.4.6	Securing means	interior	N/A
Y.5	Protection of equipment within an outdoor enclos	ure fet lifet miter mit	N/A
Y.5.1	General	THE THE THE	N/A
Y.5.2	Protection from moisture	CHIEF WALTE WALL WALL	N/A
Cert .	Relevant tests of IEC 60529 or Y.5.3:	at the fifth	N/A
Y.5.3	Water spray test	Life Wall Mar Mar 4	N/A
Y.5.4	Protection from plants and vermin	it telt the street of	N/A
Y.5.5	Protection from excessive dust	mr mr m	N/A
Y.5.5.1	General	THE LIFE SLIFE WITH	N/A



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	IEC 62368-1					
Clause	Requirement + Test	Result - Remark	Verdict			
" The	THE THE TENT	LIE NITE MITE NOU	me me			
Y.5.5.2	IP5X equipment	My My The St	N/A			
Y.5.5.3	IP6X equipment	ALTER ALTER MALTE WALTE OF	N/A			
Y.6	Mechanical strength of enclosures	a at at at a	N/A			
Y.6.1	General	The Mary May Mus	N/A			
Y.6.2	Impact test	: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A			

MA THE E



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The William		IEC 62368-1		THE WAY
Clause	Requirement + Test	WALL WAS ON	Result - Remark	Verdict

ATTACHMENT TO TEST REPORT

IEC 62368-1

(AUSTRALIA / NEW ZEALAND) NATIONAL DIFFERENCES

(Audio/video, information and communication technology equipment)

Differences according to AS/NZS 62368.1:2022

TRF template used:....: IECEE OD-2020-F3, Ed. 1.1

Attachment Form No...... AU_NZ_ND_IEC62368_1E

Attachment Originator...... JAS-ANZ

Master Attachment...... 2022-07-01

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	National Differences	JAN JAP
Appendix ZZ	Variations to IEC 62368-1:2018 (ED. 3.0) for Australia and New Zealand	TEE P
ZZ1 Scope	This Appendix lists the normative variations to IEC 62368-1:2018 (ED. 3.0)	Р
ZZ2 Variations	The following modifications are required for Australian/New Zealand conditions	: P
2 whitek whitek	After the first paragraph, add the following: The Australian or Australian/New Zealand Standards listed below are modified adoptions of, or not equivalent to, the IEC normative references and are required for the application of this Standard. All references in the source text to those IEC normative references shall be replaced by references to the corresponding Australian or Australian/New Zealand Standards. Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably -AS/NZS 3112, Approval and test specification— Plugs and socket-outlets -AS/NZS 3123, Approval and test specification— Plugs, socket-outlets and couplers for general industrial application -AS/NZS 3191, Electric flexible cords -AS/NZS 60884.1.Plugs and socket-outlets for household and similar purposes, Part 1: General requirements -IEC 60086-2 Primary batteries — Part 2: Physical and electrical specifications -AS/NZS 60065, Audio, video and similar electronic apparatus—Safety requirements (IEC 60065:2015 (ED.8.0) MOD)	THE WALTER WA



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	IEC 62368-1	. " " " " " " " " " " " " " " " " " " "	70.
lause	Requirement + Test	Result - Remark	Verdic
Mrs.	all the telescope	WITE WITE WALL	me m
	household and similar general purposes,	70, 70	4 4
	Part 1: General requirements (IEC 60320-1, Ed.2.1	The sale sale	LIE LITE
	(2007) MOD)	LITE WILL WALL TO	v = v
	-AS/NZS 60320.2.2, Appliance couplers for	1. 2.	
	household and similar general purposes	at at all a	CER JEE
	Part 2.2: Interconnection couplers for household	The Will Will Mile	100 10
	and similar equipment (IEC 60320-2-	20, 20, 2,	
	2, Ed.2.0 (1998) MOD)	1 x 1 1 1 1	F 7 7
	-AS/NZS 60695.2.11, Fire hazard testing, Part	LITE SLITE MALL	The The
		24. 24. 25.	
	2.11: Glowing/hot wire based test methods—Glow-	1 1 1	16 16
	wire flammability test method for end-products	ART THE STATE	mer were
	-AS/NZS 60695.11.5, Fire hazard testing, Part	The Mr. M.	2,
	11.5: Test flames—Needle-flame test method—		J# 12th
	Apparatus, confirmatory test arrangement and	THE THE LIE	Lite ALIV
	guidance	77 Mr. Mr. M.	3
	-AS/NZS 60695.11.10, Fire hazard testing, Part		1 1
	11.10: Test flames—50 W	at all the	
	horizontal and vertical flame test methods	WILL WILL WAR	211. 20.
	-AS/NZS 60884.1, Plugs and socket-outlets for	24.	
	household and similar purposes,		
	Part 1: General requirements	with with while	2/2 2/1
	-AS/NZS 60950.1, Information technology	20, 20, 20	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	46 GE.
	equipment—Safety, Part 1: General requirements	The Life will .	We are
	(IEC 60950-1, Ed.2.2 (2013), MOD)	1/2 2/1 20.	
	IEC 61032:1997, Protection of persons and		15
	equipment by enclosures—Probes for	LEE SLITE IN	
	verification	a sur in	~
	-AS/NZS 61558.1, Safety of Power Transformers,		£ 15
	Power Supplies, Reactors and Similar Products,		100
	Part 1: General requirements and	were mer me	73, 72,
	tests (IEC 61558-1 Ed 3, MOD)	3	14 14
	-AS/NZS 61558.2.16, Safety of transformers,	The fifth of the	-11° (11)
	reactors, power supply units and similar	CLI WILL WALL	21/2 20
	products for voltages up to 1 100 V, Part 2.16:	20, 20	4 1
		A A A	The The
	Particular requirements and tests for switch mode	LITE RETURNS IN	U. 71/2
	power supply units and transformers for switch	10, 20,	
	mode power supply units.	at at at	El TEL
27/2	The state of the state of	it with our min	21/2 24
7.2	Requirements	1 4 0	N/A
	Delete the text of the second paragraph and	LIER SLIE BLIL	are are
	replace with the following:	24, 24, 20	
	Equipment with a plug portion, suitable for insertion	and the state of	16 16 16 16 16 16 16 16 16 16 16 16 16 1
	into a 10 A 3-pin flat-pin socket-outlet conforming to	THE LIFE ALLY	Will Will
	AS/NZS 3112, shall conform to the requirements in	The My My	2
	AS/NZS 3112 for equipment with integral pins for		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	insertion into socket-outlets.	THE THE LINE	The State of
		the are all all	2
	Conformity is checked by inspection and, if		JL 25-
	necessary, by the tests in AS/NZS 3112.	of the set is	
	NOTE: Equipment with plug portions for use in	WILL WILL WILL	211.
	countries other than Australia and New Zealand will	20, 20	
	need to conform to other countries' requirements	A 15 15	TE LI
	Note Additional AS/NZS 3112 Appendix J,TRF is appended to	AV A A	.60



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VILL WILL		IEC 62368-1			
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4.7.3	Compliance Criteria Delete this clause	Tet Tet Tet Street	N/A
4.8.1 Life until	General After second list, add the following: NOTE: Refer to the Consumer Goods (Products Containing Button/Coin Batteries) Safety Standard 2020 and Consumer Goods (Products Containing Button/Coin Batteries) Information Standard 2020 for more information on button cell batteries in Australia	THE WALTER WALTER WALTER WALTER	N/A
5.4.10.2.1	General	alte wall was with	21/2
	Delete the first paragraph and replace with the following: In Australia, the separation is checked by the test given in both Clause 5.4.10.2.2 and Clause 5.4.10.2.3. In New Zealand, the separation is checked by the test given in either 5.4.10.2.2 or 5.4.10.2.3	Et whitet whitet whitet	N/A
Table 28	Delete Table 28 and replace with the following:	WILL MULL WILL MILL	N/A

Parts	Impulse test		Steady state test	
	New Zealand	Australia	New Zealand	Australia
Parts indicated in Clause 5.4.10.1 a) ^a	2.5 kV	7.0 kV for hand-held telephones and headsets, 2.5 kV for other equipment.	1.5 kV	3 kV
Parts indicated in Clause 5.4.10.1 b) and c) b	1.5 kV °	White white white white	1.0 kV	1.5 kV

- ^a Surge suppressors shall not be removed.
- ^b Surge suppressors may be removed, provided that such devices pass the impulse test of Clause 5.4.10.2.2 when tested as components outside the equipment.
- ^c During this test, it is allowed for a surge suppressor to operate and for a sparkover to occur in a GDT.

5.4.10.2.2	Delete "NOTE" and replace with "NOTE 1". After NOTE 1, add the following: NOTE 2: For Australia, the 7 kV impulse simulates lightning surges on typical rural and semi-rural network lines.	LEK MULTER MULTER MULTER MULTER	N/A
WALTER WA	NOTE 3: For Australia, the value of 2.5 kV for Clause 5.4.10.1 a) was chosen to ensure the adequacy of the insulation concerned and does not necessarily simulate likely overvoltages.	MILIER MILIER MILIER MILIER	
5.4.10.2.3	Delete "NOTE" and replace with "NOTE 1". After NOTE 1, add the following: NOTE 2: For Australia, where there are capacitors across the insulation under test, it is recommended that d.c. test voltages are used. NOTE 3: The 3 kV and 1.5 kV values for Australia have been determined considering the low frequency induced voltages from the power supply	TER WHITE WHITE WHITEK WHI	N/A



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VILL WILL		IEC 62368-1			Mer
Clause	Requirement + Test	Muris Mr. M.	Result - Remark	et le	Verdict

	distribution system.	The same of the	,t
6 Liter was	Electrically-caused fire	THE THE STREET MITE	N/A
6.6	After Clause 6.6, add the new Clauses 6.201 as follows: 6.201 External power supplies, docking stations and other similar devices (see special national conditions)	TEX WHITEK WHITEK W	N/A
8.6	Stability of equipment	me me me m	N/A
Table 36	Footnote a, after first sentence, add the following:	LER ALL STER ALTE	N/A
	Equipment having displays with moving images shall include "television sets and display devices".	and and and an	TEX.
8.6.1	After Clause 8.6.1 add the following new clauses: 8.6.201 Restraining Device fixing point (see special national conditions) 8.6.202 Restraining device (see special national conditions)	EX MUTEX MUTEX WATER ON	N/A
Annex F Paragraph F.3.3.4	Rated Voltage Delete "NOTE" and replace with NOTE1" After NOTE 1, add the following Equipment that is intended for connection to the supply mains in Australia and New Zealand shall be marked with: (a) A rated voltage of: • 230 V for single phase equipment • 400 V for poly phase equipment	white white while whitek white	N/A
	Or (b) A rated voltage range that includes: • 230 V for single phase equipment • 400 V for poly phase equipment NOTE 2: equipment that is not rated as above is not suitable for direct connection to the supply mains in Australia or new Zealand.	White white white white	MALIER V
Annex F.3.3.5	After the list, add the following Equipment that is intended for connection to supply mains in Australia or New Zealand shall be marked with a rated frequency of 50 Hz or a rated frequency range or nominal value which includes 50Hz	SEX WHITEK WHITEK WHITEK WHI	N/A
Annex F.3.8	After "The DC output of an external power supply", insert "or docking stations and other similar external devices"	until while while while	N/A
Annex G Paragraph G.4.2	Mains connectors 1 After "IEC 60320", insert "or AS/NZS 60320 series". 2 After "IEC 60906-1", insert"or AS/NZS 3123" 3 After first paragraph add the following: 10 A or 15 A 250 V flat pin plugs for the connection	ex whitek whitek whitek white	N/A



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The William		IEC	C 62368-1	
Clause	Requirement + Test	Lie Whii	Result - Remark	Verdict

6.201	External power supplies, docking stations and other similar devices	W. W. W. W.
TILLE, OF	Special national conditions (if any)	N/A
10.	THE THE WALLE WALLE WALLE	Mr. Mr. M. M.
Annex M Paragraph M.3.2	Test method Delete"NOTE" and replace with "NOTE 1" After NOTE 1 add the following: NOTE 2: In cases where the voltage source is provided by power from an unassociated power source, consideration should be given to the effects of possible single fault conditions in the unassociated equipment. If the power source is unknown then it should be assumed that the maximum limit of ES1 may be applied to the source input under assumed single fault conditions in the source when assessing the charging circuit in the equipment under test.	TEX WILLER WILL WILLER WILLER WILLER WILLER WILLER WILLER WILLER WILLER WILLER
Annex M M 2.1	Add "IEC 60086-2" to the list	TEX STEEL SOLIER MATER WITER
Annex G.7.1 Table G.7	Mains supply cords, General Fourth dashed paragraph, replace 'IEC 60320-1' with 'AS/NZS 60320.1' Sizes of conductors 1 First column, second row, delete "6" and replace with "7.5" 2 Second column, second row, delete '0,75' and replace with '0.75 ^b 3 Delete NOTE 1. 4 Replace 'NOTE 2' with 'NOTE:'. 5 Delete 'Footnote b' and replace with the following: b This nominal cross-sectional area is only allowed for Class II appliances if the length of the power supply cord, measured between the point where the cord, or cord guard, enters the appliance, and the entry to the plug does not exceed 2 m (0.5 mm² three-core supply flexible cords are not permitted; see AS/NZS 3191). 6 Footnote c replace 'IEC 60320-1' with 'AS/NZS 60320.1' 7 Footnote d replace 'IEC 60320-1' with 'AS/NZS 60320.1'	N/A N/A
Paragraph 3.5.3.1	Transformers, General 1 Third dashed point <i>replace</i> 'IEC 61558-1 and the relevant parts of IEC 61558-2' with 'AS/NZS 61558-1 and the relevant parts of AS/NZS 61558.2' 2 Fourth dashed point <i>replace</i> 'IEC 61558-2-16' with 'AS/NZS 61558.2.16'.	It while while while whi
NITEK WAI	of equipment to mains-powered socket-outlets for household or similar general use shall comply with AS/NZS 3112 or AS/NZS 60884.1.	TIFE WHITEK WHITEK WHITEK



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Clause	Requirement + Test	Result - Remark	Verdic
WILLER WI	For external power supplies, docking stations and other similar devices, during and after abnormal operating conditions and during single fault conditions the output voltage— (a) at all ES1 outlets or connectors shall not increase by more than 10 % of the output rated voltage under normal operating conditions, measured after 3 s of introducing a singlefault condition and after 3 s of introducing abnormal operating conditions; and (b) of a USB outlet or connector shall not increase by more than 3 V or 10 % of the output rated voltage under normal operating conditions, whichever is higher, measured after3 seconds of introducing a single fault condition and after 3 s of introducing abnormal operating conditions. For equipment with multiple rated voltages at the output, the requirements apply with the equipment configured for each output rated voltage in turn NOTE: This is intended to reduce the possibility of battery fire or explosion in attached equipment or accessories when charging secondary lithium batteries. The 3 s measurement delay is based on IEC document 108/742/INF, TC 108, Standards Interpretation Panel Question 15 — Output voltage, in relation to similar requirements in IEC 62368-3:2017. Conformity shall be checked by measurement, taking into account the abnormal operating conditions of Annex B.3 and the simulated single fault conditions of Annex B.3.	THE WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER	AND THE WALTER WALTER
8.6.201	Restraining device fixing point Freestanding-capable MS2 and MS3 television sets and display devices shall be provided with a fixing point to facilitate the anchoring of the equipment from toppling The fixing point shall conform to Clause 8.7 where the fixing point uses a wall, ceiling or other structure mount. Alternatively, the fixing point shall be capable of withstanding a pull equal to the mass of the equipment in all directions without damage Instructions for installation or instructions for use shall be provided to specify correct use of the fixing	LEK WILLEK WILLEK WILLER WILLEK WILLEK WILLER WILLEK WILLE	N/A N/A N/A N/A N/A
	point	the state of	THE THE



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	IEC 62368-1						
Clause	Requirement + Test	Result - Remark	Verdict				
MALTEK W	MS2 and MS3 television sets and display devices shall be provided with a restraining device and associated hardware to attach to the television set or display device.	NITER WHITER WHITER W	Nifet wifet				
EK WILEN	The restraining device shall be capable of withstanding a pull equal to the mass of the equipment in all directions.	ter white whit whi	ynifit whiff				
MULTER	Instructions for installation or instructions for use shall be provided to specify correct use of the fixing point	whitek whitek whitek	unlies unlies				

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1 (010101100	110:: 1711 2 15 11 20 10 10 1	1 490 10 01 00	<u> </u>		10 AV
NATE WALL		IEC 62368-1			
Clause	Requirement + Test	MULLI WE W	Result - Remark	et de	Verdict

5.2	TABLE: Classification of electrical energy sources					P	
Supply Voltage	Location (e.g.	Test conditions		Parame	ters		ES Class
vollage	designation)		U (V)	I (mA)	Type ¹⁾	Additional Info ²⁾	Class
9Vdc	DC power input	Normal	9Vdc	# #	SS	DC C	ES1

Supplementary information:

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

Normal –Full load and no load.

Abnormal - Overload output and no load. SC: Short-circuited; OC: Open-circuited

5.4.1.8	TABLE: Working voltage measurement						
Location		RMS voltage (V)	Peak voltage (V)	Frequency (Hz)	Comments		
Hill WAL	e les les	$\sqrt{z_{n}}$	18 - 18 A	A 1	"NITE" WITE WA	10	
Suppleme	ntary information:						
Me	211 21 0		at let	Je Je	WITH WALL WALL	Me	

5.4.1.10.2 TABLE: Vi	TABLE: Vicat softening temperature of thermoplastics						
Method		: ISO 306 / B50	et set -				
Object/ Part No./Materia	Manufacturer/trademark	Thickness (mm)	T softening (°C)				
TER JULIE WHILE W	r 4 - + 0	TEN TEN STE	WITER WILLE				
Supplementary informat	on:						
Wer Aur Au	An An	TEK JEK JIE	INLIE WALL WAL				

5.4.1.10.3	TABLE: Ba	TABLE: Ball pressure test of thermoplastics						N/A
Allowed imp	oression diam	eter (mm)	:	≤ 2 m	m	,et	ZE*	_
Object/Part	No./Material	Manufacturer/trademark	Thickness	(mm)	Test temperatur			ression eter (mm)
- 2/1	20, 20,	- It The The	ILITETE SIRVE	- W	The MUT.	me	2/1	- 44
E SLIER	WITER WALLE	- Milit Me and a	7	-	y . (4)	(TEN	LIFE	OLIER
Supplemen	tary information	on:						



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THE WALL		IEC 62368-1			
Clause	Requirement + Test	THE WALL WAT ON	Result - Remark	et e	Verdict

5.4.2, 5.4.3 TABLE: Minimum	Clearan	ces/Cre	eepage o	distance			i,t	N/A
Clearance (cl) and creepage distance (cr) at/of/between:	U _p (V)	U _{rms} (V)	Freq 1) (kHz)	Required cl (mm)	cl (mm)	E.S. ²⁾ (V)	Required cr (mm)	cr (mm)
Basic/supplementary:		t .0	ای ع	EX CLIER	MITE	الل الما	in with	ale.
- JEK NITER MITER MITE	WALT	MULL	-71,	2		#- X	et -Jet	ALTEK
Reinforce:	LEX-	TEX	MITER	"Write M	in and	Me	z _n .	20
THE WALTE WALL WALL	31/2	1/2	7		et - Jé	- JEH	neti tik si	NITE - 11
Supplementary information:								
1) whi we we we	-20		, t	cet jet	LIER	OLIER.	UNLIE VINC	me

5.4.4.2 TABLE: Minimum	distance through insu	ılation		Mr.	N/A
Distance through insulation (DTI) at/of	Peak voltage (V)	Insulation*	Required DTI (mm)		sured DTI (mm)
A A A A	1 m = 1 m	11. 14. 20.		<i>*</i>	Tet .
Supplementary information:					
TEX STEEL OF STEEL			THE THE		IEW WITE

5.4.4.9 TABLE: Solid in	sulation at	frequencies	>30 kHz	at all	- TEX	N/A
Insulation material	E P	Frequency (kHz)	K R	Thickness d (mm)	Insulation	V _{PW} (Vpk)
71 71 7	ō	JEH - UTER	MILLE WAL	JACK .	10, -10,	20, - 2,
Supplementary information:						

5.4.9	TABLE: Electric strength	tests	MUE MUE	N/A
Test volta	age applied between:	Voltage shape (Surge, Impulse, AC, DC, etc.)	Test voltage (V)	Breakdown Yes / No
Basic/su	oplementary:	TEX STEX STEE SOUTH	WILL MULL MULL	m. m
7 ⁶⁷ . [1	EX WILL MILLE MULLE AN	L 11 11 - 7	LEK JEH JEH	· LIFE MIT
- 20	a at at a	TER WILL MILLE - WILL M	ry aur aur	711 - 22
Reinforce	ed: Not we will	s it it is	EX LIEX SLIER	INLIER WALTER



Carrier Contraction	They are a	Page 51 IEC 623		d s	Et JE	نامر "ناني "نان
721,	70.	120 023	00-1	7° 50	are ar	20 20
Clause	Requirement + Test			Result -	Remark	Verdict
- dr	The The The Transition		* 18	!	- 11 11 11 11 11 11 11 11 11 11 11 11 11	we we
		- 120 May 11/27	- 12	77,0	20,	
- 10°	The still out with	The man				All The
710° 11		1 1	400	J. J. C.	WILL TALL	11 11
			100	415 3	37 - 27	
Suppleme	entary information:					
· · · · · · · · · · · · · · · · · · ·	-	4 1	AV.	J. J.		11. 20, 12.

5.5.2.2	TABLE:	Stored discharge of	on capacitors			N/A
Location		Supply voltage (V)	Operating and fault condition 1)	Switch position	Measured voltage (Vpk)	ES Class
E 211	12.	A A -	EX NUTER MUTER	Write -Write	ang - ang	7/11 - 1
Suppleme	ntary inforr	mation:				
X-capacito	rs installed	for testing:	- LITER MALTER WI	VILL AND A	1. m.	24.
[] bleedin	ıg resistor ı	rating:				
[] ICX:						
1) Normal	operating o	condition (e.g., norma	l operation, or open fu	ise), SC= short o	circuit, OC= ope	en circuit

Location	Test current (A)			Resistance (Ω)
	CER TEX TOTAL	The Maria	mr -m	40
- WILL MULL MULL MU	7/1 - 7	at the	TEK - TEK	NITES TOLIFE

5.7.4	TABLE	E: Unearthed acces	ssible parts			West of	N/A
Location		Operating and	Supply	F	Parameters		ES
	fault conditions	fault conditions	Voltage (V)	Voltage (V _{rms} or V _{pk})	Current (A _{rms} or A _{pk})	Freq. (Hz)	class
شاب سان	. 14	1 7 1	الله الملك	INLIER NALTE	Mrs - Mrs.	ALL.	11/2-
Supplemer	itary info	rmation:					

5.7.5	TABLE: Earthed access	ible conductive part	N/A
Supply volta	age (V):	264Vac 60Hz	_



Veletelice	NO VV 1724D 112040401		Fage 32 01 39	· de		
The William			IEC 62368-1			
Clause	Requirement + Test	LITE Y	Mr. Mr. Ch.	Result - Remark	at di	Verdict

		10	70, 72,			
Phase(s)	[] Single Phase; [] Three Phase: [] Delta [] Wye					
Power Distribution System:	[] TN []TT []IT	ALTE WALLE OF	VII. MUT.			
Location	Fault Condition No in IEC 60990 clause 6.2.2	Touch current (mA)	Comment			
ex alter mitter anite waite w	The -n	. J. J.	- ITEH TITEH MITE			
Supplementary Information:						
RETER WITH WALL WALL WALL	w t et	et let	LIET NITE WILL			

5.8	TABLE:	Backfeed s	afeguard in battery b	packed up	supplies		N/A
Location		Supply voltage (V)	Operating and fault condition	Time (s)	Open-circuit voltage (V)	Touch current (A)	ES Class
- ×	, et	TEX - TEX	SLIER WILLER W	ry Mur.	200 - 201	'n_ '	JL JJ
Supplement	tary inform	mation:					
1	et a	et Jet	LIFER OLIFE WAL	1000	24. 20.		ا الر

6.2.2	2.2 TABLE: Power source circuit classifications							
Location		Operating and fault condition	Voltage (V)	Current (A)	Max. Power ¹⁾ (W)	Time (S)	PS class	
All circuit	MITEK.	Normal	The Aller A	pit gi nt .	764 704 764 764	5	PS2 (declared)	

Supplementary information:

Abbreviation: SC= short circuit; OC= open circuit

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

6.2.3.1	TABLE: Determi	nation of Arcing PIS	mr. mr. m	111 11	N/A
Location		Open circuit voltage after 3 s (Vpk)	Measured r.m.s current (A)	Calculated value	Arcing PIS? Yes / No
- where wh	The Mark Mark	- At A	et stat stat	NUTER - NUTER ON	erie Marri A

Supplementary information:

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

6.2.3.2	TABLE: Determin	nation of resistive PIS	The The The	P
Location		Operating and fault condition	Dissipate power (W)	Arcing PIS?



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IVELETICE IN	0 W 11 24D 1 1204040 1	rage 33 or 39		
IL WILL		IEC 62368-1		it will will
Clause	Requirement + Test	in with the tall	Result - Remark	Verdict

			Yes / No
All internal circuit	SLIEF WILLER MALTER	untill mutil until un	Yes (declared)

Supplementary information:

All primary and secondary circuit are considered as resistive PIS

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

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

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

All conductors and devices are considered as PIS.

8.5.5 TABLE: High	pressure lamp	Mr. Mr. M.	to the	N/A
Lamp manufacturer	Lamp type	Explosion method	Longest axis of glass particle (mm)	Particle found beyond 1 m Yes / No
-A A 3 3		- 1/2 - 1/1 - 2		et et .
Supplementary information	:			
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Kelelelice	NO W 1724D 112040401	raye 34 01 39			NO RO
ALL MULL		IEC 62368-1			
Clause	Requirement + Test	ANTI ME AN	Result - Remark	d 10	Verdict

9.6	TABLE	E: Temper	ature meas	surements	for wirele	ess power	transmitte	rs	P
Supply voltage (V)									
Max. transm	it powe	r of transm	nitter (W)	: 1.5W	/, 5W, 15W	1	184 JE	t JEB	_
		w/o receiver and direct contact			eiver and contact		iver and at of 2 mm		eiver and a e of 5 mm
Foreign ob	jects	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)
For watch W	/ireless	charging	- LEX	JEK J	LIE WALF	Muri	211,5	- 1/11	20
Steel dis	sc	29.5	25.0	40.0	25.0	31.4	25.0	30.7	25.0
Aluminium	ring	35.9	25.0	35.7	25.0	36.2	25.0	33.6	25.0
Aluminium	n foil	26.6	25.0	50.6	25.0	41.9	25.0	36.5	25.0
For phone W	/ireless	charging ((Left)	WILL	24. 2	40	L of	at-	all a
Steel dis	sc	28.1	25.0	30.1	25.0	29.8	25.0	30.0	25.0
Aluminium	ring	27.5	25.0	30.7	25.0	30.4	25.0	30.1	25.0
Aluminium	n foil	26.9	25.0	28.7	25.0	29.7	25.0	30.8	25.0
For phone W	/ireless	charging ((Right)		4 12	11	O CALLE	MALTER	WILLER
Steel dis	sc	27.8	25.0	38.7	25.0	38.7	25.0	41.7	25.0
Aluminium	ring	27.3	25.0	35.5	25.0	30.7	25.0	30.8	25.0
Aluminium	ı foil	27.4	25.0	31.7	25.0	34.5	25.0	31.2	25.0

5.4.1.4, 9.3, B.1.5, B.2.6	TABLE: Temperature measureme	ents				INCTE PONCE
Supply vo	ltage (V):	9Vdc	111 - 111	- 2	<i>#</i>	_
Ambient to	emperature during test T_{amb} (°C):	See below	ALTER-WALT	Muli.	unii <u> </u>	_
Maximum	measured temperature <i>T</i> of part/at:		T (°C)		Allowed T _{max} (°C)
Input wire	(outside)	38.2	175	WITE - NIT	10077	77
L2	TEX LITER NUTER WALL ON	59.6	20, - 2		*	105
CBB1	Mr. M. M.	43.8	JOH J	Jet nute	Will - W	105



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			IE	C 62368-1				
Clause	Requirement +	Test	CET WILLY	ALC:	R	esult - Remark	, dr	Verdict
aller -	4, 4, ,			, TEX	J. (1)	NITE OF THE	white we	11/2
PCB near	U2 (power PCB)	TER RITE	The state of	79.4	L -1	<u> </u>		105
PCB near	U4 (power PCB)	-2,	4	42.9	dik d	SEP STATE	milie - nair	105
PCB near	type-C and LED	* JULY	CLIFE W	44.6	7/1	1, - ,	- A	105
PCB near	IC (watch Wireles	s charging	PCB)	53.7	+ - .(6)	JUE 10	Jen Jene	105
Enclosure charging	inside near phon	e Wireless	LIET WIL	33.5	71 <u>7.</u>	10 - 10 10 - 10	t get	130
Enclosure charging	inside near watch	n Wireless	EX WILEY	48.7	Marit.	n za	2/2 - A	130
Enclosure	inside near type-	C and LED		40.0	JEE .	Liet marie	ency - wh	130
Enclosure charging	Outside near pho	ne Wireles	S	30.8	, <u>-</u> , ,	et let	JE#	77
Enclosure charging	Outside near wat	ch Wireless	NITEK N	51.5	127	1112 11	2	77
Enclosure	Outside near type	e-C and LE	D, L	38.8	C. Land	WILL - WIL	7/12 ·	77
Ambient	TER STEE	White are	2 70	25.0	2, -	- J	- 5	Jet - 56
Temperatu	ıre T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	$R_2 (\Omega)$	T (°C)	Allowed T _{max} (°C)	Insulation class
4100 111	- 4n - a	4 - A	, th	JUEN ON	3 EET - 10'	I WILL	Wr aus	21/2

Supplementary information:

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

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

B.2.5	J T.	ABLE: Inp	out test	in me	701	20,	×+	Et TET TET STP
U (V)	Hz	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status
9V	dc	3.05	3	27.45	NIEK W	16 W. T.	e Wills	Rated load
Supplei	mentary	, informati	on:					

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

B.3, B.4	TABLE: Abnormal operating and fault condition tests								
Ambient temperature T _{amb} (°C): See below									
Power source for EUT: Manufacturer, model/type, outputrating:									
Component No.	Condition	Supply voltage (V)	Test time	Fuse no.		use ent (A)	Observation		

^{*} Temperature limit for TS1 of accessible enclosure according to Table 38.



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I COLOTOCO IN	0 W 11 24D 1 1204040 1	rage 30 01 39		
Le MULL		IEC 62368-1		MULL WILL
Clause	Requirement + Test	Will My M	Result - Remark	Verdict

CBB1	MIS-CONTE	9Vdc	10mins	y yniff Y yniff	Input current: 1.48	5W Wireless charging shutdown, other wireless charging work properly, recoverable. no hazard. Prospective. Ambient: 25.0 °C.
CBB2	S-C	9Vdc	10mins	WINDER ON	Input current: 2.35	5W Wireless charging shutdown, other wireless charging work properly, recoverable. no hazard. Prospective. Ambient: 25.0 °C.

Supplementary information:

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

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

M.3	TABLE: Pr	otection circu	its fo	or batteri	es provid	ed w	vithin	the equ	uipment	N/A	
Is it possible to	o install the l	battery in a rev	erse	polarity p	osition?	:<	100	m	-1 ₁₎ 2,		
					Ch	argi	ing				
Equipment Sp	pecification		Vol	ltage (V)					Current (A)		
		* .*	. KE	t- with	OLIER	المارية	. J.	التي منا	71, 40,	1/1/2	
					Battery	spec	ecification				
Non-rechargeable batteries					Rechargeable batteries						
		Discharging		ntentional	C	Char	ging		Discharging	Revers	
Manufactu	rer/type	current (A)	A) charging current (A)		Voltage (V)		Current (A)		current (A)	chargin current (
2011 2011 T		at -at	اکنے۔	et nie	. white	wi	,	ser .	10 - 24 -	1/1	
Note: The tests	s of M.3.2 ar	e applicable or	nly wl	hen above	appropria	te d	ata is	not avai	lable.		
Specified batte	ery temperat	ture (°C)			10	:	1/1	20	- 3		
Component No.	Fault condition	Charge/ discharge mo	ode	Test time	Temp. (°C)		rrent (A)	Voltage (V)	e Obse	rvation	
- unlie uni		Mr		A 1	jk ₁ el		J. Carlo	C.C.E.	NITE WAY	T. WILL	



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TOICICIOC IN	0 VV 11 24D 1 1204040 1	1 age 37 of 39		10 10
The William		IEC 62368-1		LI WILL
Clause	Requirement + Test	MULL WILL WILL	Result - Remark	Verdict

Supplementary information:

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

M.4.2	TABLE: battery	Charging sa	feguards for	equipment c	ontaining a s	econdary lithium	N/A	
Maximum	specified c	harging voltag	e (V)		.:	4 4 3	_	
Maximum	specified c	harging currer	ıt (A)		.: -cret one	TE WALL WALL	_	
Highest specified charging temperature (°C):								
Lowest spe	ecified cha	rging temperat	ure (°C)		nit I will	me me		
Battery		Operating		Measurement		Observatio	n	
manufactu	rer/type	and fault condition	Charging voltage (V)	Charging current (A)	Temp. (°C)			
- "_		et zet	TEK -UTEK	White - Will	m. m	. 4, 4	7,4	

Supplementary information:

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

Q.1	TABLE: Circuits inte	nded for inte	erconnection	n with build	ling wiring	(LPS)	N/A
Output	Condition	U _{oc} (V)	Time (a)	I _{sc}	(A)	S (VA)	
Circuit	Condition	U ₀₀ (V)	Time (s)	Meas.	Limit	Meas.	Limit
Willey W	in we we		A .	it let	CLER N	IER WITE	WILL
Supplemen	ntary Information:						
SC = short	circuit, OC = open circui	t	et et	A EM	الله المالية ا	anti a	hr. M.

T.2, T.3, T.4, T.5	TABLE: S	teady force tes	t Malife					MULE	N/A
Location / Part	Material	Thickness (mm)	Probe	Force (N)	Test Duration (s)		Observati	on	
t st	.#	et Jet of	PLIET W	111 W	eri Aur	Mr.	VII. TIII.	. ".	,
Supplementa	ry information	on:							
- et .	TEK JE	H NITER WAT	. Wer	ale	30, 1	in a	L /	,et	45



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Reference	NO.: W1F24D112640481	Page 58 01 59			A R
The WALL		IEC 62368-1			
Clause	Requirement + Test	MUTTER MUTTER	Result - Remark	at de	Verdict

T.6, T.9	ABLE: Impa	ct test		N/A
Location/Part	Material	Thickness (mm)	Height (mm)	Observation
T. 24. 1	1, -2,	7	ARI GA	anite unite unit unit unit un
Supplementary	information:			
- 4, ,	L St	ret ret i	TEK MITE	Mari Mari Mari Mari Mari Mari

T.7 T/	ABLE: Drop	test	A MITELL	met un an N/A			
Location/Part	Material	Thickness (mm)	Height (mm)	Observation			
SEE WILLES	VILL MULL	MrMr.	- A	F TEX STEX STEX PLIES NO	IET WALT		
Supplementary	information:						
- mr mr	211.	4 2,	et Jet	THE WITE WITE WHITE WHITE	Mer		

T.8 TA	ABLE: Stress	s relief test			N/A
Location/Part	Material	Thickness (mm)	Oven Temperatur e (°C)	Duration (h)	Observation
The Marie May	<u>l/</u>	9- <u>3-</u> -	18 - JE	T. E.	NITE WILL WHITE WALL WALL
Supplementary	information:				
-211,- 211,	- A - A	1 1 1 1	Et JET	CLIEF OR	The Martin Martin

X	TABLE: Alternative method for determining minimum clearances distances							
Clearance distanced between:		Peak of working volta (V)	•	Required cl (mm)		Measured cl (mm)		
at aller		sy mr m	*		- LIEN AL			
Supplement	ary information:							
See Table 5	5.4.2, 5.4.3	An St	et et et	y STEP	WILLER WILLE	White.		



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TCICICIOC IV	3 WIT 24D 112040401	· ·	1 age 33 01 33			10
IL WILL			IEC 62368-1			. aur.
Clause	Requirement + Test	is an	11 21 21 21 21 1	Result - Remark	d 10	Verdict

4.1.2 TA Object / part No.		ABLE: Critical components information							
		Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾			
Enclosure	40	LG CHEM LTD	AF312C	V-0, 70°C	UL 94	UL E67171			
PCB TEK WALTER		Shenzhen Jia Li Chuang Technology Development Co LTD	JLC-1	V-0, 130 °C	UL 796	UL E479892			
(Alternative)	- 4	Interchangeable	Interchangeab le	Min.V-1, Min.105°C	UL 796	UL WILLIAM			
USB wire	MNL TEV	Interchangeable	Interchangeab le	Min. 28AWG, Min.60 °C, min.30V, VW-1	UL 758	UL TENTO			

Supplementary information:

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



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Figure 1 Overall view



Figure 2 Overall view



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Photo Documentation

Reference No.: WTF24D11264048Y



Figure 3 Overall view

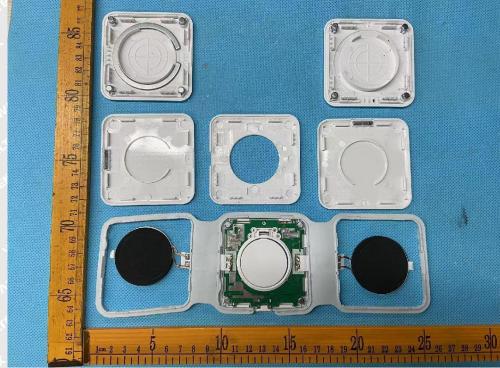


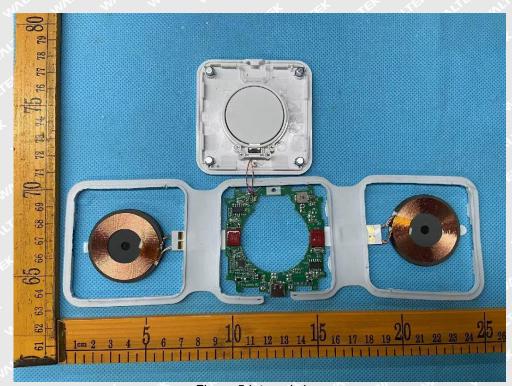
Figure 4 Internal view



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Photo Documentation

Reference No.: WTF24D11264048Y



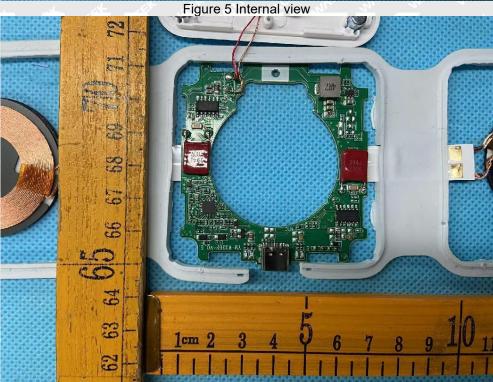


Figure 6 PCB view



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Figure 7 PCB view

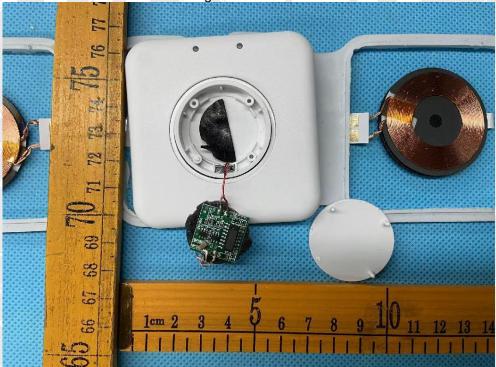


Figure 8 PCB view

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