



# **TEST REPORT**

Hong Kong

Manufacturer.....: 114628

Address.....: --

Product.....: Key finder device in bamboo

Model(s)..... : MO6897

**Total pages**.....: 66 pages and 3 pages of photo.

Audio/video, information and communication technology equipment-

Part 1:Safety requirements

Date of Receipt sample..... : 2024-11-25

**Date of Test**..... : 2024-11-25 to 2024-12-04

Date of Issue..... 2024-12-16

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:

Grace Feng / Project Engineer

Approved by:

Almon Zhao / Designated Reviewer



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" " " " " " " " " " " " " " " " " " "		
Test item description	Key finder de	vice in bamboo
Trademark:	МОВ	
Model and/or type reference:	MO6897	
Rating(s):	DC 3V	
Remark:  Whether parts of tests for the product h  Yes  No If Yes, list the related test items and lab Test items: Lab information:		contracted to other labs:
Summary of testing:	miter with	me me me me
Tests performed (name of test and to - EN IEC 62368-1:2020+A11:2020 All a The submitted samples were found to the requirements of above specification	applicable test comply with	Testing location: No. 77, Houjie Section, Guantai Road, Houjie Town, Dongguan City, Guangdong, China
The product compliance with the EU G  ☑ The product fulfils the requirements	- L	
applicable limit according to the spec without applying the measurement ur "accuracy method").	ne IEC standar cification in tha ncertainty ("sin	on conformity (decision rule): rd, when comparing the measurement result with the at standard. The decisions on conformity are made acceptance" decision rule, previously known as add by the standard or client, or if national accreditation
OD-5014 for test equipment and applicate IECEE. IEC Guide 115 provides guidance on the decision rule when reporting test measurement uncertainty for measurement.	calculated by the ation of test me the application to results within	the laboratory based on application of criteria given by ethods, decision sheets and operational procedures of of measurement uncertainty principles and applying in IECEE scheme, noting that the reporting of the necessary unless required by the test standard or

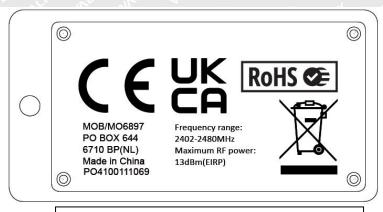
Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted

the testing.



#### Copy of marking plate:

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



Do not ingest battery, Chemical Burn Hazard

#### Remark:

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.

Name and address of the Importer AND Manufacturer must be affixed on the product when the product placed on the EU market.

Minimum height of CE mark is 5mm, minimum height of WEEE mark is 7mm.



TEST ITEM PARTICULARS:	TEST ITEM PARTICULARS:		
Product group	⊠ end product □ built-in component		
Classification of use by:	<ul><li>☑ Ordinary person</li><li>☐ Instructed person</li><li>☐ Skilled person</li></ul>		
Supply Connection:	☐ AC mains ☐ DC mains ☐ not mains connected: ☐ ES2 ☐ ES3		
Supply % Tolerance:	☐ +10%/-10% ☐ +20%/-15% ☐ +%/% ☑ None		
Supply Connection – Type	<ul> <li>□ pluggable equipment type A -</li> <li>□ non-detachable supply cord</li> <li>□ appliance coupler</li> <li>□ direct plug-in</li> <li>□ pluggable equipment type B -</li> <li>□ non-detachable supply cord</li> <li>□ appliance coupler</li> <li>□ permanent connection</li> <li>□ mating connector</li> <li>⋈ other: not Mains connected</li> </ul>		
Considered current rating of protective device as part of building or equipment installation:	□ Location: □ building □ equipment □ N/A		
Equipment mobility:	<ul> <li>         □ movable □ hand-held □ transportable         □ direct plug-in □ stationary □ for building-in         □ wall/ceiling-mounted □ SRME/rack-mounted         □ other:</li> </ul>		
Over voltage category (OVC):	<ul> <li>☐ OVC I☐ OVC II(Adapter)☐ OVC III</li> <li>☐ OVC IV</li> <li>☑ other: not Mains connected</li> </ul>		
Class of equipment:	☐ Class I ☐ Class II ☐ Class II ☐ Not classified ☐		
Access location	<ul><li>N/A ☐ restricted access area</li><li>☐ outdoor location ☐</li></ul>		
Pollution degree (PD)	□ PD 1⊠ PD 2 □ PD 3		
Manufacturer's specified maxium operating ambient:	25°C  Outdoor: minimum°C		
IP protection class:	☑ IPX0 □ IP20		
Power Systems:	☐ TN☐ TT ☐ ITV L-L ☐ not AC mains		
Altitude during operation (m):	⊠ 2000 m or less □m		



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Altitude of test laboratory (m)	: × 2000 m or less	m
Mass of equipment (kg)	🖂 Approx.0.015kg	STEEL WILL MUITE AND
POSSIBLE TEST CASE VERDICT	S: Et RITE UN UN UN	an a to di
- test case does not apply to the tes	st object: N/A	NITER WILL WALL WALL
- test object does meet the requiren	nent: P (Pass)	and the second
- test object does not meet the requ	ıirement F (Fail)	it white white white
TESTING:	while while the the	L St. Set Set
Date of receipt of test item	2024-11-25	WILL AUT, AUT, A
Date (s) of performance of tests	: 2024-11-25 to 2024	-12-04
GENERAL REMARKS:	at let street outle south	With Mer Mer Me
"(see appended table)" refers to a temperature of the transfer of the transfe	nma / ⊠ point is used as the decimal	separator.
GENERAL PRODUCT INFORMAT  Product Description  1. The equipment with modelMO68	with Maria mar with the	or Audio/video, information an
Product Description  1. The equipment with modelMO68 communication technology equip  2. It is powered byapproved coin b  3. The maximum ambient tempera	397is Key finder device in bamboo used t	
Product Description  1. The equipment with modelMO68 communication technology equip  2. It is powered byapproved coin b	397is Key finder device in bamboo used to ment. attery which complied with ES1 and PS2	
Product Description  1. The equipment with modelMO68 communication technology equip  2. It is powered byapproved coin b  3. The maximum ambient tempera  Report Revision History:	397is Key finder device in bamboo used to ment. attery which complied with ES1 and PS <sup>2</sup> ture specified by manufacturer is 25°C.	NITEE WALTER WALTER WALTER
Product Description  1. The equipment with modelMO68 communication technology equip  2. It is powered byapproved coin b  3. The maximum ambient tempera  Report Revision History:  Report No.  Ref. No. WTF24D11272670Y,	397is Key finder device in bamboo used to ment. attery which complied with ES1 and PS7 ture specified by manufacturer is 25°C.  Modification Description	Comment
Product Description  1. The equipment with modelMO68 communication technology equip  2. It is powered byapproved coin b  3. The maximum ambient tempera  Report Revision History:  Report No.  Ref. No. WTF24D11272670Y, dated 2024-12-10  Ref. No. WTF24D11272670X1Y, dated 2024-12-16 (updated)	397is Key finder device in bamboo used fament. attery which complied with ES1 and PS2 ture specified by manufacturer is 25°C.  Modification Description Original test report. Changed the manufacturer name and	Comment No safety affect, no



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Clause	Possible Hazard			
5	Electrically-caused injury			
Class and Energy Source	Body Part		Safeguards	
(e.g. ES3: Primary circuit)	(e.g. Ordinary)	В	S	R
ES1: All internal circuit	Ordinary	N/A	N/A	N/A
6	Electrically-caused fire			
Class and Energy Source	Material part		Safeguards	
(e.g. PS2: 100 Watt circuit)	(e.g. Printed board)	В	1 <sup>st</sup> S	2 <sup>nd</sup> S
PS1: Input circuit and output	External enclosure and	N/A	N/A	N/A
circuit	Internal combustible material	TEX TE	k nitek siri	EX WILLEY
7	Injury caused by hazardous s	ubstances		
Class and Energy Source	Body Part		Safeguards	
(e.g. Ozone)	(e.g., Skilled)	В	S	R
N/A	N/A	N/A	N/A	N/A
8	Mechanically-caused injury			
Class and Energy Source	Body Part		Safeguards	
(e.g. MS3: Plastic fan blades)	(e.g. Ordinary)	В	S	R
MS1: Edges and corners	Ordinary	N/A	N/A	N/A
MS1: Mass of the unit	Ordinary	N/A	N/A	N/A
9	Thermal burn			
Class and Energy Source	Body Part		Safeguards	
(e.g. TS1: Keyboard caps)	(e.g., Ordinary)	В	S	R
TS1: All accessible parts	Ordinary	N/A	N/A	N/A
10	Radiation			
Class and Energy Source	Body Part		Safeguards	
(e.g. RS1: PMP sound output)	(e.g., Ordinary)	В	S	R
RS1: LED for indicating	Ordinary	N/A	N/A	N/A

ENERGY SOURCE DIAGRAM
Indicate which energy sources are included in the energy source diagram. Insert diagram below
TO WALL AND THE WALL WALL WALL WALL WALL WALL WALL WAL
□ ES □ PS □ MS □ TS □ RS
See details in OVERVIEW OF ENERGY SOURCES AND SAFEGUARDS



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

4	GENERAL REQUIREMENTS	N 211 22	Р
		(0	- 4
4.1.1	Acceptance of materials, components and subassemblies	(See appended table 4.1.2)	W.b
4.1.2 United	Use of components	Components which are certified to IEC and/or national standards are used correctly within their ratings. Components not covered by IEC standards are tested under the conditions present in the equipment. See also Annex G	MALIP LIFEX WI EX WALT
4.1.3	Equipment design and construction	Equipment is adequately designed and constructed.	All P
4.1.4	Specified ambient temperature for outdoor use (°C)	Indoor use only	N/A
4.1.5	Constructions and components not specifically covered	No such constructions and components.	N/A
4.1.8	Liquids and liquid filled components (LFC)	No such parts.	N/A
4.1.15	Markings and instructions	(See Annex F)	Р
4.4.3	Safeguard robustness	See below	N/A
4.4.3.1	General	2 4 4 4	N/A
4.4.3.2	Steady force tests	(See Annex T.5)	N/A
4.4.3.3	Drop tests	(See Annex T.7)	N/A
4.4.3.4	Impact tests	(See Annex T.6)	N/A
4.4.3.5	Internal accessible safeguard tests	No such parts.	N/A
4.4.3.6	Glass impact tests	No such glass used.	N/A
4.4.3.7	Glass fixation tests	No such parts.	N/A
ris and	Glass impact test (1J)	LITER MITTER MALIE MALIE	N/A
et et	Push/pull test (10 N)	s state	N/A
4.4.3.8	Thermoplastic material tests	(See Annex T.8)	N/A
4.4.3.9	Air comprising a safeguard		N/A
4.4.3.10	Accessibility, glass, safeguard effectiveness	MALIE WALL WALL WALL WALL	N/A
4.4.4	Displacement of a safeguard by an insulating liquid	No such liquid.	N/A
4.4.5	Safety interlocks	No such parts.	N/A
4.5	Explosion	ALTER WALTE WALT WALT V	N/A
4.5.1	General		N/A
4.5.2	No explosion during normal/abnormal operating condition	The multiple multiple multiple multiple	N/A
WELL OF	No harm by explosion during single fault	TEL STEE STEE STEE	N/A



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4		301.1911.111	
21/2		EN IEC 62368-1	
Clause	Requirement – Test	Result – Remark	Verdict

	conditions	10 10	
4.6	Fixing of conductors	I ITEL ALTER MITE WALTE	N/A
J.	Fix conductors not to defeat a safeguard	An An An A	N/A
in and	Compliance is checked by test	LIER NITER WHITE WHITE	N/A
4.7	Equipment for direct insertion into mains sock	et-outlets	N/A
4.7.2	Mains plug part complies with relevant standard	Not direct plug-in equipment.	N/A
4.7.3	Torque (Nm)		N/A
4.8	Equipment containing coin/button cell batteries	S mile only one	√/P
4.8.1	General	Coin/button cell battery used.	Р
4.8.2	Instructional safeguard	WILL WILL AND MUT	Р
4.8.3	Battery compartment door/cover construction	at the title	P
1/1	Open torque test	WILL MULL MULL MULL	Р
4.8.4.2	Stress relief test	Bamboo material enclosure, no need Stress relief test	N/A
4.8.4.3	Battery replacement test	a at at a	P
4.8.4.4	Drop test	WILL MILL MILL MILL	A, b
4.8.4.5	Impact test	At the	P
4.8.4.6	Crush test	A CHUE AND	Р
4.8.5	Compliance	t the	JE P.
2,,	30N force test with test probe	in my my m	Р
CLIER	20N force test with test hook	of the set set of	N/A
4.9	Likelihood of fire or shock due to entry of cond	ductive object	Р
4.10	Component requirements	- TEK ITEK LITEK OLITE	N/A
4.10.1	Disconnect Device	me me me	N/A
4.10.2	Switches and relays	THE THE LIER WITH	N/A

5	ELECTRICALLY-CAUSED INJURY		CE PAIN
5.2	Classification and limits of electrical energy sources		Р
5.2.2	ES1, ES2 and ES3 limits	All internal circuits are considered to be ES1	P
5.2.2.2	Steady-state voltage and current limits	(See appended table 5.2)	P
5.2.2.3	Capacitance limits	No such capacitors	N/A
5.2.2.4	Single pulse limits	No such single pulses	N/A
5.2.2.5	Limits for repetitive pulses	No such repetitive pulses	N/A
5.2.2.6	Ringing signals	No such ringing signals	N/A
5.2.2.7	Audio signals	See annex E	N/A
5.3	Protection against electrical energy source	es at the title sti	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
- in -		in the state of the state of	70,
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	tet the state all	N/A
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	mr mr m	N/A
5.3.1 b)	Skilled personsnot unintentional contact ES3 bare conductors	NITER WHITER WALTER WHITE	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Only ES1 circuit	N/A
- CEN	Accessibility to outdoor equipment bare parts		N/A
5.3.2.2	Contact requirements	WITE WILL WILL WA	N/A
JEK N	Test with test probe from Annex V	A A A A	· _
5.3.2.2 a)	Air gap – electric strength test potential (V)	WILL MULT MULT MULT	N/A
5.3.2.2 b)	Air gap – distance (mm)	at let let ster	N/A
5.3.2.3	Compliance	it, Mer, Aur, Au	N/A
5.3.2.4	Terminals for connecting stripped wire	No stripped wire used.	N/A
5.4	Insulation materials and requirements	The Mr. My M	Р
5.4.1.2	Properties of insulating material	No insulation as a safeguard.	N/A
5.4.1.3	Material is non-hygroscopic	The August Augus	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)	on P
5.4.1.5	Pollution degrees	The Lifet	N/A
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	THE THE	N/A
5.4.1.5.3	Thermal cycling test	while me me m	N/A
5.4.1.6	Insulation in transformers with varying dimensions	at all all of	N/A
5.4.1.7	Insulation in circuits generating starting pulses	white mile me me	N/A
5.4.1.8	Determination of working voltage	of let the the	N/A
5.4.1.9	Insulating surfaces	bry Aur Aug Ang	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	EX Writer Writer Writer	N/A
5.4.1.10.2	Vicat test	at the left of	N/A
5.4.1.10.3	Ball pressure test	MULL MULL MULL AND	N/A
5.4.2	Clearances	LET LET JET JE	N/A
5.4.2.1	General requirements	ing in in in	N/A
TER WALTE	Clearances in circuits connected to AC Mains, Alternative method	TEX WATER WATER	N/A
5.4.2.2	Procedure 1 for determining clearance	a at at at	N/A
2012	Temporary overvoltage	MULL MULL MULL M	_
5.4.2.3	Procedure 2 for determining clearance	1 1 1	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
Clause	Treduitelletit – Lest	Nesult – Nelliaik	veruict
5.4.2.3.2.2	a.c. mains transient voltage	The Apr M	
5.4.2.3.2.3	d.c. mains transient voltage	THE STEE WITTE	antie —
5.4.2.3.2.4	External circuit transient voltage	2/1/2 1/1 20	7t _
5.4.2.3.2.5	Transient voltage determined by measurement	alitik milik anlitek	
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	tet itet sitet mi	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	t of the top	N/A
5.4.2.6	Clearance measurement	Muy My My	N/A
5.4.3	Creepage distances	Tet Tet Street	N/A
5.4.3.1	General	ar him and	N/A
5.4.3.3	Material group	ITEX SITEX OUTEX	III TE
5.4.3.4	Creepage distances measurement	200 00 00	N/A
5.4.4	Solid insulation	Et NIET WITER WAL	N/A
5.4.4.1	General requirements		N/A
5.4.4.2	Minimum distance through insulation	INITE WALTER WALTE	N/A
5.4.4.3	Insulating compound forming solid insulation		N/A
5.4.4.4	Solid insulation in semiconductor devices	The Maria 4	N/A
5.4.4.5	Insulating compound forming cemented joints		N/A
5.4.4.6	Thin sheet material	rie wer me me	N/A
5.4.4.6.1	General requirements	t set set set	N/A
5.4.4.6.2	Separable thin sheet material	Mrs. Mrs. Mrs.	N/A
WITE ON	Number of layers (pcs)	TEX STEX STEE	N/A
5.4.4.6.3	Non-separable thin sheet material	mr m. m	N/A
The Miles	Number of layers (pcs)	TER TER STEEL	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	et let let l	N/A
5.4.4.6.5	Mandrel test	no me m	N/A
5.4.4.7	Solid insulation in wound components	- TEX LIEX LIES	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz, $E_P$ , $K_R$ , $d$ , $V_{PW}$ (V)	The The The	N/A
LEA LEA	Alternative by electric strength test, tested voltage (V), K <sub>R</sub>	mi mi mi	N/A
5.4.5	Antenna terminal insulation	LIER WALLE MALLE WA	N/A
5.4.5.1	General	1 1 1 1 1	/ N/A
5.4.5.2	Voltage surge test	WALL MALL WALL	N/A
5.4.5.3	Insulation resistance (MΩ)	4 4 4	N/A



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Clause	EN IEC 62368-	Result – Remark	Verdict
Clause	Requirement – Test	Result – Remark	Verdict
	Electric strength test	14, 12, 14,	N/A
5.4.6	Insulation of internal wire as part of supplementary safeguard	White White White wh	N/A
5.4.7	Tests for semiconductor components and for cemented joints	NUTER WHITER WHITER WHITE	N/A
5.4.8	Humidity conditioning	at let let tel	N/A
- TEX	Relative humidity (%), temperature (°C), duration (h)	Mary Mary Mary	, –
5.4.9	Electric strength test	WILL WILL MILL A	N/A
5.4.9.1	Test procedure for type test of solid insulation	A A A A	N/A
5.4.9.2	Test procedure for routine test	MULLE MULL MULL MULL	N/A
5.4.10	Safeguards against transient voltages from external circuits	LIET WIFE WAITER WALTE	N/A
5.4.10.1	Parts and circuits separated from external circuits	a state of	N/A
5.4.10.2	Test methods	MALIE WALL WALL	N/A
5.4.10.2.1	General	at the set	N/A
5.4.10.2.2	Impulse test	WHILL MUT MUT M	N/A
5.4.10.2.3	Steady-state test	at the st	N/A
5.4.10.3	Verification for insulation breakdown for impulse test	The sure of	N/A
5.4.11	Separation between external circuits and earth	LIER MALTE WALL WALL	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	A STEEL WITER SMITH	N/A
5.4.11.2	Requirements	24 2	N/A
mr. m	SPDs bridge separation between external circuit and earth	WHITE WHITE WHITE WA	N/A
	Rated operating voltage U <sub>op</sub> (V)	LIER STER WITER WITE	_
.* .E*	Nominal voltage U <sub>peak</sub> (V)	12 M. M. 20.	
MULL	Max increase due to variation ΔU <sub>sp</sub>	THE DITTER NATIONALLE	- 1 <sub>12</sub>
TEK.	Max increase due to ageing ΔU <sub>sa</sub>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_
5.4.11.3	Test method and compliance	WITE WALL WALL W	N/A
5.4.12	Insulating liquid	A A A A	N/A
5.4.12.1	General requirements	WHILE MULL WHEN AND	N/A
5.4.12.2	Electric strength of an insulating liquid	A St St St	N/A
5.4.12.3	Compatibility of an insulating liquid	rich Mur Mur Mur	N/A
5.4.12.4	Container for insulating liquid	at let let liet	N/A
5.5	Components as safeguards	MUT AIN MILE	N/A
5.5.1	General	No such components as safeguards.	N/A

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	EN IEC 62368-		1
Clause	Requirement – Test	Result – Remark	Verdict
5.5.0	0 100 100	The water when	N/A
5.5.2	Capacitors and RC units		N/A
5.5.2.1	General requirement	WHILE MULL WHE.	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	TEX TEX STEX OF	N/A
5.5.3	Transformers	V. 10, 14. 2.	N/A
5.5.4	Optocouplers	TER SLIER WITER WALL	N/A
5.5.5	Relays	M. 1.	N/A
5.5.6	Resistors	to alter mitter mitter	N/A
5.5.7	SPDs	20, 2,	N/A
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable	MILIER WHITE WALTER OF	N/A
5.5.9	Safeguards for socket-outlets in outdoor equipment	LIET WHITER WHITER WH	N/A
A CLIER	RCD rated residual operating current (mA)	at all all of	
5.6	Protective conductor	Aur Aug Aug	N/A
5.6.2	Requirement for protective conductors	Requirement for protective conductors	
5.6.2.1	General requirements	Class III equipment	N/A
5.6.2.2	Colour of insulation	At ALTER	N/A
5.6.3	Requirement for protective earthing conductors		N/A
in white	Protective earthing conductor size (mm²)	The the all inti	
k KLIEK	Protective earthing conductor serving as a reinforced safeguard	* Tex Tex Tex	N/A
TEK .	Protective earthing conductor serving as a double safeguard	Mus. Any Ang	N/A
5.6.4	Requirements for protective bonding conductors	WILL MAY MAY	N/A
5.6.4.1	Protective bonding conductors	at at let	N/A
311	Protective bonding conductor size (mm²)	Let Mer and an	
5.6.4.2	Protective current rating (A)	at alt all di	N/A
5.6.5	Terminals for protective conductors	we we	N/A
5.6.5.1	Terminal size for connecting protective earthing conductors (mm)	Whitek Whitek Whitek	N/A
INLITED WIN	Terminal size for connecting protective bonding conductors (mm)	NUTER WILES WHITE	N/A
5.6.5.2	Corrosion		N/A
5.6.6	Resistance of the protective bonding system	LIE MALIE WALL WAS	N/A
5.6.6.1	Requirements	1 1 1 1	N/A
5.6.6.2	Test Method	MALLE MALL MALL	N/A
5.6.6.3	Resistance $(\Omega)$ or voltage drop	1 1 2	N/A



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	EN IEC 62368-		1
Clause	Requirement – Test	Result – Remark	Verdict
5.6.7	Reliable connection of a protective earthing conductor	the tex tex out	N/A
5.6.8	Functional earthing	me me m	N/A
liet and	Conductor size (mm²)	TEX STEE STEE STEE	N/A
AL 13	Class II with functional earthing marking	he me in m	N/A
MALTE	Appliance inlet cl &cr (mm)	THE STEE STEE SOUTH SO	N/A
5.7	Prospective touch voltage, touch current and p	rotective conductor current	N/A
5.7.2	Measuring devices and networks	ex alter miter unite uni	N/A
5.7.2.1	Measurement of touch current	20 2 x x x	N/A
5.7.2.2	Measurement of voltage	CLIEB WITE WALL WALL	N/A
5.7.3	Equipment set-up, supply connections and earth connections	THE STEE STEE MITTER	N/A
5.7.4	Unearthed accessible parts	2 M 20 1	N/A
5.7.5	Earthed accessible conductive parts	EX SITEX INCTER MITE IN	N/A
5.7.6	Requirements when touch current exceeds ES2 limits	TER THE STEEL WIT	N/A
4	Protective conductor current (mA)	The Mr. In A.	N/A
ALTE WA	Instructional Safeguard	At Julie Mile	N/A
5.7.7	Prospective touch voltage and touch current associated with external circuits		N/A
5.7.7.1	Touch current from coaxial cables	in the the the	N/A
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	MULTER WILLER WHITER WIN	N/A
5.7.8	Summation of touch currents from external circuits	TITEE MITEL MATER WALT	N/A
LTEX MAL	a) Equipment connected to earthed external circuits, current (mA)	TER LIER WITH WITH	N/A
EK OLIEN	b) Equipment connected to unearthed external circuits, current (mA)	at at let like	N/A
5.8	Backfeed safeguard in battery backed up supp	lies unt and an an	N/A
MITER	Mains terminal ES	No battery used	N/A
1	Air gap (mm)	The My My Ly	N/A

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





	TREFERENCE INOV	1 age 14 01 00		10 1
ľ	" ne m	EN IEC 62368-1	ITER WILL WALL WALL VI	ter In
	Clause Re	equirement – Test	Result – Remark	Verdict

Clause	Requirement – Test	Result – Remark	Verdict
6.2.3.1	Arcing PIS	All internal circuits are not considered as arcing PIS. They are supplied by external power supply whose open voltage is less than 50V.	N/A
6.2.3.2	Resistive PIS	All internal circuits of PS1 circuits	N/A
6.3	Safeguards against fire under normal operating conditions	and abnormal operating	P
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 5.4.1.5, 6.3.2, 9.0, B.2.6)	P
LIEK WALK	Combustible materials outside fire enclosure	At least HB, or pass the Glow- Wire test at 550°C according to IEC 60695-2-11.	MITER P
6.4	Safeguards against fire under single fault condit	tions	AF PAR
6.4.1	Safeguard method	Method by control of fire spread applied	P
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	White Mile White White	N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	THE MILE WALLE	N/A
6.4.3.1	Supplementary safeguards	The The	N/A
6.4.3.2	Single Fault Conditions	re mer me me a	N/A
CLIFET	Special conditions for temperature limited by fuse	of the test street and	N/A
6.4.4	Control of fire spread in PS1 circuits	PS1 is not considered to containenough energy to result inmaterials reaching ignitiontemperatures.	PK WALTER S
6.4.5	Control of fire spread in PS2 circuits	TEX TEX STEE STEE	N/A
6.4.5.2	Supplementary safeguards	in the transfer of	N/A
6.4.6	Control of fire spread in PS3 circuits	I'LL STEEL WITE WITE MILIE W	N/A
6.4.7	Separation of combustible materials from a PIS	20 T T	N/A
6.4.7.2	Separation by distance	CITE INITE WILL WAS	N/A
6.4.7.3	Separation by a fire barrier	The state of	N/A
6.4.8	Fire enclosures and fire barriers	Only PS1 circuit , no fire enclosures or barriers required	N/A
6.4.8.2	Fire enclosure and fire barrier material properties	LIEN SLIER WITH WALLE	N/A
6.4.8.2.1	Requirements for a fire barrier	10 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
6.4.8.2.2	Requirements for a fire enclosure	EX NITER WITE WALLE WA	N/A
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	TEK TEK STEK SETE	N/A



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20	EN IEC 62368-	the me me	20.
Clause	Requirement – Test	Result – Remark	Verdict
- an-		te with the me	70
6.4.8.3.1	Fire enclosure and fire barrier openings		N/A
6.4.8.3.2	Fire barrier dimensions		N/A
6.4.8.3.3	Top openings and properties	The state of	N/A
ir. aur	Openings dimensions (mm)	MITER MILITE WALLE WALL	N/A
6.4.8.3.4	Bottom openings and properties	a at at all	N/A
71/2	Openings dimensions (mm)	The Write Man My A	N/A
WALTER	Flammability tests for the bottom of a fire enclosure	t street wifet writer was	N/A
At .	Instructional Safeguard	W T A B	N/A
6.4.8.3.5	Side openings and properties	RITER WITE WALLE WALL	N/A
d A	Openings dimensions (mm)	The state of the	N/A
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c)	STEE WALL WALL WALL	N/A
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating	EX WHITE MALTER WALTER ON	N/A
6.4.9	Flammability of insulating liquid	TEN JEN STEEL BY	N/A
6.5	Internal and external wiring	The August August	N/A
6.5.1	General requirements	The internal wires are complied with UL standard, of which the test method and testing condition are equal to IEC/EN 60695-11-21.	N/A
6.5.2	Requirements for interconnection to building wiring	No such wire used	N/A
6.5.3	Internal wiring size (mm2) for socket-outlets	No such wire used	N/A
6.6	Safeguards against fire due to the connection to additional equipment		Р
it is	the title will and an or		S. C. C.
7	INJURY CAUSED BY HAZARDOUS SUBSTANC	ES	N/A
7.2	Reduction of exposure to hazardous substance	oc .	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
Me	Personal safeguards and instructions	_
7.5	Use of instructional safeguards and instructions	N/A
	Instructional safeguard (ISO 7010)	_
7.6	Batteries and their protection circuits	N/A

8	MECHANICALLY-CAUSED INJURY	P.T.
8.2	Mechanical energy source classifications	m h
8.3	Safeguards against mechanical energy sources	TEL STEE WE



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
8.4	Safeguards against parts with sha	arp edges and corners	No. All

Clause	Requirement – Test	Result – Remark	verdict
The 1	M W STEE STEE	Er Will Mr. W	200
3.4	Safeguards against parts with sharp edges and	corners	P
3.4.1	Safeguards	alter with wall wall	A.U.
LIFEK MALT	Instructional Safeguard:	MS1: Edges and corners of enclosure	WILLER
3.4.2	Sharp edges or corners	Edges and corners of the enclosure are rounded.	P P
3.5	Safeguards against moving parts	it mi mi m	N/A
3.5.1	Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts	No moving parts.	N/A
INLIEK WAL	MS2 or MS3 part required to be accessible for the function of the equipment	See above.	N/A
at all	Moving MS3 parts only accessible to skilled person	M. M. T. T.	N/A
3.5.2	Instructional safeguard	LIEL MIE MALIE WALLE	N/A
3.5.4	Special categories of equipment containing moving parts	EL STER WITCH WITCH ON	N/A
3.5.4.1	General	m m	N/A
3.5.4.2	Equipment containing work cells with MS3 parts	ALTER OLIE WALTER WALT	N/A
3.5.4.2.1	Protection of persons in the work cell		N/A
3.5.4.2.2	Access protection override	THE WALL WALL	N/A
3.5.4.2.2.1	Override system		N/A
8.5.4.2.2.2	Visual indicator	The write was with a	N/A
3.5.4.2.3	Emergency stop system	L of off the	N/A
THE Y	Maximum stopping distance from the point of activation (m)	Must Aug any any	N/A
ik le ne len	Space between end point and nearest fixed mechanical part (mm):	antite mit mit mit	N/A
3.5.4.2.4	Endurance requirements	LITER NITER ANTIC WHITE	N/A
H WATER	Mechanical system subjected to 100 000 cycles of operation	EX SEX SIEX SUFER SI	N/A
<i>*</i>	- Mechanical function check and visual inspection	Mr. M. M.	N/A
Albert All	- Cable assembly	- LIER WITE WITE WHI	N/A
3.5.4.3	Equipment having electromechanical device for destruction of media	TEX TEX STEX SUITE	N/A
3.5.4.3.1	Equipment safeguards	me me me	N/A
3.5.4.3.2	Instructional safeguards against moving parts:	TEX SIEK NITER WITE	N/A
3.5.4.3.3	Disconnection from the supply	20 In 10 Th	N/A
3.5.4.3.4	Cut type and test force (N)	et outer anties anties wo	N/A
3.5.4.3.5	Compliance	71 2 2	N/A
8.5.5	High pressure lamps	No high pressurelamps used.	N/A



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	2 41 - 22 - 2	
Requirement – Test	Result – Remark	Verdict
Explosion test	the mer me	N/A
	TER STEE STEEL	N/A
	24, 14, 10, 2	N/A
General	MS1: Mass of the unit	N/A
Instructional safeguard		N/A
Static stability	THE WALLE WHILE WHILE	N/A
Static stability test:	L at at let	N/A
Downward force test	MULL MULL MULL	N/A
Relocation stability	Let Let Liet .	N/A
Wheels diameter (mm):	men men men men	_
Tilt test	THE LITER STEEL WILL	N/A
Glass slide test	100 100	N/A
Horizontal force test:	EX NITE WITE MILIE	N/A
Equipment mounted to wall, ceiling or other stru	ıcture	N/A
Mount means type	WILL MILL MULL	N/A
Test methods	The state of the s	N/A
Test 1, additional downwards force (N)	" Men m	N/A
Test 2, number of attachment points and test force (N)	TE OUT WILL WHITE	N/A
Test 3 Nominal diameter (mm) and applied torque (Nm)	t tet stet with	N/A
Handles strength	1/12 1/11 11.	N/A
General	No handles	N/A
Handle strength test	In the	N/A
Number of handles	ALTER MITER WALTE WAL	_
Force applied (N)	and the state of	t let -
Wheels or casters attachment requirements	TER MALTE WALL WALL	N/A
Pull test	No such parts	N/A
Carts, stands and similar carriers	"White Man white	N/A
General	at at all	N/A
Marking and instructions	MUT, MUT, MUT, MI	N/A
Cart, stand or carrier loading test	at let set is	N/A
Loading force applied (N):	The Mr. M.	N/A
Cart, stand or carrier impact test	Et TEX JEX WITE	N/A
	Requirement – Test	Explosion test



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Clause	Requirement – Test	Result – Remark	Verdict
Clause	requirement – rest	Tresuit - Itemark	Verdict
8.10.6	Thermoplastic temperature stability	Mary The Till	N/A
8.11	Mounting means for slide-rail mounted equipme	ent (SRME)	N/A
8.11.1	General	No such parts	N/A
8.11.2	Requirements for slide rails	WILL MILL MULLE	N/A
EF JE	Instructional Safeguard:	a at at	N/A
8.11.3	Mechanical strength test	The Wall Auto Auto	N/A
8.11.3.1	Downward force test, force (N) applied:	L St SET SE	N/A
8.11.3.2	Lateral push force test	MUTE ME MUTE	N/A
8.11.3.3	Integrity of slide rail end stops	LEK LEK LIEK	N/A
8.11.4	Compliance	are me me	N/A
8.12	Telescoping or rod antennas	TEX TEX TEX O	√ N/A
	Button/ball diameter (mm):	No such parts	

9	THERMAL BURN INJURY		Р
9.2	Thermal energy source classifications  Touch temperature limits		Р
9.3			Р
9.3.1	Touch temperatures of accessible parts:	(See appended table 5.4.1.4, 9.3, B.1.5, B.2.6)	MILT P W
9.3.2	Test method and compliance	See B.1.6 & B.2.3	JEP P.J.
9.4	Safeguards against thermal energy sources	Ville Mar Mar and a	Р
9.5	Requirements for safeguards		P.S.
9.5.1	Equipment safeguard	Enclosure provided to limit the transfer of thermal energy of internal parts under normal operating conditions and abnormal operating conditions.	P
9.5.2	Instructional safeguard	Instructional safeguard is not required.	N/A
9.6	Requirements for wireless power transmitters	THE OUTER WITE WATER WA	N/A
9.6.1	General	The state of	N/A
9.6.2	Specification of the foreign objects	MITE MALTE MALTE VAND	N/A
9.6.3	Test method and compliance:	1 1 1 1	N/A

10	RADIATION		Р
10.2	Radiation energy source classification	LIER WILL WALL A	P
10.2.1	General classification	RS1: LED indicator. Indicator LEDs are low power forindication only.	TEK PIEK
الها متالياتها	Lasers	TEX TEX STILL SOLVE	_



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
Th.	Lamps and lamp systems:	The same of the	111111111111111111111111111111111111111
WILL W	Image projectors:	LIER OLIER MILIER	write —
it is	X-Ray:	211 211 24	J -
in and	Personal music player:	RLIER WALTER WALTE WA	_
10.3	Safeguards against laser radiation		N/A
- 18 K	The standard(s) equipment containing laser(s) comply	No laser radiation	N/A
10.4	Safeguards against optical radiation from lamp (including LED types)	s and lamp systems	N/A
10.4.1	General requirements	LIER NITER WITE W	N/A
ITEK MIT	Instructional safeguard provided for accessible radiation level needs to exceed	all the tree of	N/A
عد ،	Risk group marking and location:	in the minimum	N/A
on Live	Information for safe operation and installation	Et JEK STER STER	N/A
10.4.2	Requirements for enclosures	111, 111, 12	N/A
المرتبية الم	UV radiation exposure:	LIER NITER WITE	N/A
10.4.3	Instructional safeguard	" N N N	N/A
10.5	Safeguards against X-radiation	white we	N/A
10.5.1	Requirements	No X-radiation	N/A
, mr	Instructional safeguard for skilled persons	THE WITE WALL WALL	<u>s</u> –
10.5.3	Maximum radiation (pA/kg)	and the set	_
10.6	Safeguards against acoustic energy sources	er while many man	N/A
10.6.1	General	No such equipment	N/A
10.6.2	Classification	MUTTER MUTT MUTE A	N/A
را <sup>ویل</sup> ایراز	Acoustic output L <sub>Aeq,T</sub> , dB(A):	at at 1st i	N/A
	Unweighted RMS output voltage (mV):	With My My My	N/A
EK WITE	Digital output signal (dBFS)	of let the tip	N/A
10.6.3	Requirements for dose-based systems	nu m m	N/A
10.6.3.1	General requirements	- JEK LIEK NITER	N/A
10.6.3.2	Dose-based warning and automatic decrease	20, 20, 20,	N/A
10.6.3.3	Exposure-based warning and requirements	STEK STEK WITER	N/A
. A A.	30 s integrated exposure level (MEL30):	'u, 'u, ', ',	N/A
MULL	Warning for MEL ≥ 100 dB(A)	LIER WILLER WALTER WAL	N/A
10.6.4	Measurement methods	, , , , , , , , , , , , , , , , , , ,	N/A
10.6.5	Protection of persons	THE MALLE WALLE	N/A
All the	Instructional safeguards		N/A
10.6.6	Requirements for listening devices (headphones,	WITE WITE WILL A	N/A



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	EN IEC 62368	1-11 mile with our	
Clause	Requirement – Test	Result – Remark	Verdict
" No.	All Miles	TER SITE MITE WILL	The Miles
J.	earphones, etc.)	20, 20,	1
10.6.6.1	Corded listening devices with analogue input	H LIER NITER MITE	N/A
<i>*</i>	Listening device input voltage (mV)	- 24 - 24 - 2 - 2	N/A
10.6.6.2	Corded listening devices with digital input	STEE STEE STIFF IN	N/A
et et	Max. acoustic output L <sub>Aeq,T</sub> , dB(A)	31 14	N/A
10.6.6.3	Cordless listening devices	WIER WILL WALTER WAY	N/A
. et	Max. acoustic output L <sub>Aeq T</sub> , dB(A)		L N/A

В	NORMAL OPERATING CONDITION TESTS, ABI CONDITION TESTS AND SINGLE FAULT COND		Pt
B.1	General	Mer Mer An An An	Р
B.1.5	Temperature measurement conditions	(See appended table B.1.5)	P
B.2	Normal operating conditions	V. 20. 20. 20.	Р
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	Р
WILLER	Audio Amplifiers and equipment with audio amplifiers	MILES MILES WALTER WALTER	N/A
B.2.3	Supply voltage and tolerances	Rated 3Vdc	P
B.2.5	Input test	(See appended table B.2.5)	Р
B.3	Simulated abnormal operating conditions	The state of	P
B.3.1	General	(See appended table B.3, B.4)	Р
B.3.2	Covering of ventilation openings	(See appended table B.3, B.4)	P
THE THE	Instructional safeguard:	Instructional safeguard is not required.	N/A
B.3.3	DC mains polarity test	Not supplied by D.C. mains	N/A
B.3.4	Setting of voltage selector	No such selector	N/A
B.3.5	Maximum load at output terminals	No such output terminals	N/A
B.3.6	Reverse battery polarity	No Reverse battery polarity	N/A
B.3.7	Audio amplifier abnormal operating conditions	(See appended table B.3, B.4)	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions	All safeguards remained effective	P
B.4	Simulated single fault conditions	at at alt all	Р
B.4.1	General	Mer Mer Mer Mer	Р
B.4.2	Temperature controlling device	No such parts	N/A
B.4.3	Blocked motor test	(See appended table B.3, B.4)	Р
B.4.4	Functional insulation	See below.	P
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.3, B.4)	Р



24,	EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict	
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	No coated printed boards within the EUT	N/A	
B.4.5	Short-circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.3, B.4)	P	
B.4.6	Short circuit or disconnection of passive components	(See appended table B.3, B.4)	Р	
B.4.7	Continuous operation of components	The EUT is continuous operating type and no such components intended for short time operation or intermittent operation	N/A	
B.4.8	Compliance during and after single fault conditions	No change to circuits classified in 5.3	INCITE P. W	
B.4.9	Battery charging and discharging under single fault conditions	No such battery	N/A	
С	UV RADIATION		N/A	
C.1	Protection of materials in equipment from UV r	adiation	N/A	
C.1.2	Requirements	No such UV generated from the equipment.	N/A	
C.1.3	Test method	The state of	N/A	
C.2	UV light conditioning test	LIFE MITE WALTER WALLE VI	N/A	
C.2.1	Test apparatus:		N/A	
C.2.2	Mounting of test samples	er with white man war	N/A	
C.2.3	Carbon-arc light-exposure test	a state of	N/A	
C.2.4	Xenon-arc light-exposure test	antile metry metry mer	N/A	
D	TEST GENERATORS		N/A	
D.1	Impulse test generators	AUTTE MUTTE MUTE MUTE	N/A	
D.2	Antenna interface test generator	it let let liet i	N/A	
D.3	Electronic pulse generator	the and the ange on	N/A	
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	NING AUDIO AMPLIFIERS	N/A	
E.1	Electrical energy source classification for audi	o signals	N/A	
ILLIE . W	Maximum non-clipped output power (W):		_	
.4	Rated load impedance ( $\Omega$ ):	(See appended table 4.1.2)	_	
IL WALL	Open-circuit output voltage (V)	(See appended table B.2.5)	_	
+ 20+	Instructional safeguard:	Provided in the manual	_	
E.2	Audio amplifier normal operating conditions	TEX WILL MULL MILLER AND	N/A	
all the	Audio signal source type:	(See appended table B.2.5)	_	
Mrs 2	Audio output power (W):	(See appended table B.2.5)		



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Clause	Requirement – Test	Result – Remark	Verdict
Mer	M. M. J. Litter M. J.	ER WILL MULL MULL MU	200
, et	Audio output voltage (V)		_
me m	Rated load impedance (Ω):	(See appended table 4.1.2)	_
ALTEK WAL	Requirements for temperature measurement	(See appended table 5.4.1.4, 9.3, B.1.5, B.2.6, B.3, B.4)	N/A
E.3	Audio amplifier abnormal operating conditions	(See appended table B.3, B.4)	N/A
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND SAFEGUARDS	INSTRUCTIONAL	P
F.1	General	et tet litet sliet mi	Р
, t	Language	English	_
F.2	Letter symbols and graphical symbols	TEX SLIER POLICE SPATE	W P
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	MUTEL 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.	TEK P
F.3	Equipment markings	write with the way	Р
F.3.1	Equipment marking locations	The required marking is located on the enclosure of the equipment and is easily visible.	on LTP
F.3.2	Equipment identification markings	See below for details.	Р
F.3.2.1	Manufacturer identification	See copy of marking plate	Р
F.3.2.2	Model identification	See copy of marking plate	Р
F.3.3	Equipment rating markings	Not direct connection to the mains, it need not bemarked with any electrical rating	N/A
F.3.3.1	Equipment with direct connection to mains	NITER INITE WALL WALL	N/A
F.3.3.2	Equipment without direct connection to mains	a at at	N/A
F.3.3.3	Nature of the supply voltage	THE WALL WALL THE WA	N/A
F.3.3.4	Rated voltage:	and the state of	N/A
F.3.3.5	Rated frequency	white mer were were	N/A
F.3.3.6	Rated current or rated power	at at at all	N/A
F.3.3.7	Equipment with multiple supply connections	MULLI MULL MULL MULL	N/A
F.3.4	Voltage setting device	No voltage setting device.	N/A
F.3.5	Terminals and operating devices	The Mary Mary My 2	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings	It united whitely whitely who	N/A
F.3.5.2	Switch position identification marking:	at the set of	N/A



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	EN IEC 62368-	2, 20, 20, 2	
Clause	Requirement – Test	Result – Remark	Verdict
F.3.5.3	Replacement fuse identification and rating markings	THE TEXT TEXT STEEL	N/A
4	Instructional safeguards for neutral fuse	The All My My	N/A
F.3.5.4	Replacement battery identification marking:	No such battery.	N/A
F.3.5.5	Neutral conductor terminal	No such parts.	N/A
F.3.5.6	Terminal marking location	tex with outer uniter of	N/A
F.3.6	Equipment markings related to equipment classification	Class III equipment	N/A
F.3.6.1	Class I equipment	Mr. Mr. M. M.	N/A
F.3.6.1.1	Protective earthing conductor terminal	TEX STEX STEE WITE	N/A
F.3.6.1.2	Protective bonding conductor terminals	are are are	N/A
F.3.6.2	Equipment class marking:	TEX STEX STEX WITE	N/A
F.3.6.3	Functional earthing terminal marking:	2111 211	N/A
F.3.7	Equipment IP rating marking	ex street which write an	N/A
F.3.8	External power supply output marking:	20, 20, 24	N/A
F.3.9	Durability, legibility and permanence of marking	Marking is considered to be legible and easily discernible. See also the following details.	MP
F.3.10	Test for permanence of markings	The label was subjected to thepermanence of marking test. Thelabel was rubbed with cloth soakedwith water for 15 sec. And thenagain for 15 sec, with the clothsoaked with petroleum spirit. After this test there was nodamage to the label. The markingon the label did not fade. Therewas no curling and lifting of thelabel edge. After each test, the markingremained legible.	P NITE W NATER
F.4	Instructions	CER JER JER WITER	P
- 1	a) Information prior to installation and initial use	See user manual	Р
MUTTE M	b) Equipment for use in locations where children not likely to be present	WHILE MATER MALIER WAL	N/A
CLIFE TOL	c) Instructions for installation and interconnection	Let Let Let Let	N/A
TEN TEN	d) Equipment intended for use only in restricted access area	Mer and an	N/A
211	e) Equipment intended to be fastened in place	THE WALL MALL MALL	N/A
y JURY	f) Instructions for audio equipment terminals	a at at at	N/A
20, 1	g) Protective earthing used as a safeguard	MULL MULL MULL MI	N/A
UNITEK WI	h) Protective conductor current exceeding ES2 limits	TEX SITEX BITEX MIT	N/A



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	EN IEC 62368	y and an	
Clause	Requirement – Test	Result – Remark	Verdict
"In		THE WALL WILL AND	The The
	i) Graphic symbols used on equipment		N/A
711. 21	j) Permanently connected equipment not provided with all-pole mains switch	MILLE MILL WALL	N/A
	k) Replaceable components or modules providing safeguard function	MITER WHITER WHITER WA	N/A
IF STE	I) Equipment containing insulating liquid	at at at of	N/A
-0,	m) Installation instructions for outdoor equipment	The Mar Mar Mar	N/A
F.5	Instructional safeguards	at let let the	P
G	COMPONENTS	America Valencia, Valencia	Р
G.1	Switches	TER TER LIFE.	N/A
G.1.1	General	the me me	N/A
G.1.2	Ratings, endurance, spacing, maximum load	TEL LIER SITER IN	N/A
G.1.3	Test method and compliance	1 11 11 11	N/A
G.2	Relays	TEX LIE SLIE WILL	N/A
G.2.1	Requirements	No relay used.	N/A
G.2.2	Overload test	Y SLIER RITE WILLE	N/A
G.2.3	Relay controlling connectors supplying power to other equipment	Let July	N/A
G.2.4	Test method and compliance		N/A
G.3	Protective devices	The the other will	N/A
G.3.1	Thermal cut-offs	10, 10, 10, 10, 10	N/A
Murr	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	MALLER WALLER WALLER	N/A
unlifer un	Thermal cut-outs tested as part of the equipment as indicated in c)	MELEK WALTER WALTER	N/A
G.3.1.2	Test method and compliance	at at let .	N/A
G.3.2	Thermal links	No such component	N/A
G.3.2.1	a) Thermal links tested separately according to IEC 60691 with specifics	TEK MITER WHITEK WHITE	N/A
TEK	b) Thermal links tested as part of the equipment		N/A
G.3.2.2	Test method and compliance	MULT MULT WALL	N/A
G.3.3	PTC thermistors	No such component	N/A
G.3.4	Overcurrent protection devices	No such component	N/A
G.3.5	Safeguards components not mentioned in G.3.1 to G.3.4	LIET WHIEK WHIEK WHI	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	set night might miles	N/A
G.3.5.2	Single faults conditions:	70 7	N/A
G.4	Connectors	to the street with	N/A



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	EN IEC 62368-	b. "11. "25. " 3.	7/
Clause	Requirement – Test	Result – Remark	Verdict
- de -		the write with mer	20,2
G.4.1	Spacings		N/A
G.4.2	Mains connector configuration	MILLE WHELL WHE	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	TER LIER STEEL	N/A
G.5	Wound components		N/A
G.5.1	Wire insulation in wound components	THE SLIFE OLITER AND	N/A
G.5.1.2	Protection against mechanical stress	The state of	N/A
G.5.2	Endurance test	E STEEL WITE WITE	N/A
G.5.2.1	General test requirements	20, 2, 7	N/A
G.5.2.2	Heat run test	OLIER WILL WALLE	N/A
LET LE	Test time (days per cycle)	The state of	
200	Test temperature (°C)	CLIFE WALLE WALLE ON	× -
G.5.2.3	Wound components supplied from the mains	a at at a	/ N/A
G.5.2.4	No insulation breakdown	The wall and	N/A
G.5.3	Transformers	at the state	N/A
G.5.3.1	Compliance method:	Were Mer Mer	N/A
LIFE MY	Position:	TEL TEL	N/A
	Method of protection	2 24 1	N/A
G.5.3.2	Insulation		N/A
	Protection from displacement of windings:	in the sail	_
G.5.3.3	Transformer overload tests	of the life with	N/A
G.5.3.3.1	Test conditions	The This To.	N/A
G.5.3.3.2	Winding temperatures	THE STEE MITTER	N/A
G.5.3.3.3	Winding temperatures - alternative test method	201 211 211 X	N/A
G.5.3.4	Transformers using FIW	LIFE OLIFE MILIER ON	N/A
G.5.3.4.1	General		N/A
Meri	FIW wire nominal diameter:	THE WALLE WALLE WAL	
G.5.3.4.2	Transformers with basic insulation only	- A A	N/A
G.5.3.4.3	Transformers with double insulation or reinforced insulation	MUTTER MUTTE MUTT	N/A
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	MULTER WALTER WHITE	N/A
G.5.3.4.5	Thermal cycling test and compliance	TEX LIER LIER OF	N/A
G.5.3.4.6	Partial discharge test	i m. m. m	N/A
G.5.3.4.7	Routine test	CE LIEF SLIEF SLIEF	N/A
G.5.4	Motors	an an en	N/A
G.5.4.1	General requirements	THE STATE STATE	N/A

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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
G.5.4.2	Motor overload test conditions	Maria Maria Maria	N/A
G.5.4.3	Running overload test	ITEX NITE MITTER WALTE	N/A
G.5.4.4.2	Locked-rotor overload test	the state of the s	N/A
HILL MULL	Test duration (days):	alter mile uniter sunite	_
G.5.4.5	Running overload test for DC motors		N/A
G.5.4.5.2	Tested in the unit	JET MITE MALIE WALL W	N/A
G.5.4.5.3	Alternative method		N/A
G.5.4.6	Locked-rotor overload test for DC motors	MULTE MULT MILL MILL	N/A
G.5.4.6.2	Tested in the unit	at at all all	N/A
11 11	Maximum Temperature:	Write Mury Mury Mury	N/A
G.5.4.6.3	Alternative method	(See appended table B.3, B.4)	N/A
G.5.4.7	Motors with capacitors	try mr. my my	N/A
G.5.4.8	Three-phase motors	ex sex sex sex sizes of	N/A
G.5.4.9	Series motors	m, m, m,	N/A
NALTER IN	Operating voltage	TEN STER STEE WITH	_
G.6	Wire Insulation	Mary Mary and Mary	N/A
G.6.1	General	LEX NALTER WALTER	N/A
G.6.2	Enamelled winding wire insulation	- 1 1 1 1 1 t	N/A
G.7	Mains supply cords	LIFE OUT OF SHIP OF	N/A
G.7.1	General requirements	No such component	» N/A
Mr.	Type	A WILL MULL MULL MULL	_
G.7.2	Cross sectional area (mm² or AWG)	a state of	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	WHITE MALE WAS AND	N/A
G.7.3.2	Cord strain relief	NITER INITE WALL WALL	N/A
G.7.3.2.1	Requirements	a at at	N/A
M	Strain relief test force (N)	THE WALL WALL WALL WE	N/A
G.7.3.2.2	Strain relief mechanism failure	and the state of	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	antit with our own	N/A
G.7.3.2.4	Strain relief and cord anchorage material	at at let ster	N/A
G.7.4	Cord Entry	MULL MULL MULL MULL	N/A
G.7.5	Non-detachable cord bend protection	et tet tet tet	N/A
G.7.5.1	Requirements	Tr. Aug. Aug. Aug. A	N/A
G.7.5.2	Test method and compliance	et set set siet w	N/A
J. H.	Overall diameter or minor overall dimension, D (mm)	The sit of the	_
TEL S		who we are the	



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Clause	EN IEC 62368-	Result – Remark	Verdict
Clause	Requirement – Test	Result – Remark	verdict
- St	Radius of curvature after test (mm):	The Tile of	
G.7.6	Supply wiring space	CLIEB MLTE MILIE	N/A
G.7.6.1	General requirements	The state of the s	N/A
G.7.6.2	Stranded wire	OLITER SINLIFE WALLE VI	N/A
G.7.6.2.1	Requirements	1 A A	N/A
G.7.6.2.2	Test with 8 mm strand	te with min my	N/A
G.8	Varistors	e at at so	N/A
G.8.1	General requirements	WALL MAL MAL	N/A
G.8.2	Safeguards against fire	at let jet	N/A
G.8.2.1	General	MILL MILL MILL	N/A
G.8.2.2	Varistor overload test	JEK JEK JEK	N/A
G.8.2.3	Temporary overvoltage test	The Maria	N/A
G.9	Integrated circuit (IC) current limiters	cet cet cet su	N/A
G.9.1	Requirements	the the to	N/A
Write W	IC limiter output current (max. 5A)	TEX STEE BLIE	10 LT
,t ,	Manufacturers' defined drift:	Mr. Mr. 2.	
G.9.2	Test Program	Let antib	N/A
G.9.3	Compliance	- 1 L	N/A
G.10	Resistors	LIFE WIFE WALL WA	N/A
G.10.1	General	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
G.10.2	Conditioning	MALIE MALIE WALL	N/A
G.10.3	Resistor test	A A A	N/A
G.10.4	Voltage surge test	WALL WALL VALLE	N/A
G.10.5	Impulse test	at at at	N/A
G.10.6	Overload test	Will MULL MULL M	N/A
G.11	Capacitors and RC units	at let let it	N/A
G.11.1	General requirements	no me m	N/A
G.11.2	Conditioning of capacitors and RC units	- TEX STEX STE	N/A
G.11.3	Rules for selecting capacitors	Mr. Mr. Mr.	N/A
G.12	Optocouplers	TEX LITER SUITER	N/A
TEK OLTEK	Optocouplers comply with IEC 60747-5-5 with specifics	in in in	N/A
70.	Type test voltage V <sub>ini,a</sub> :	in my me m	
MLTE	Routine test voltage, V <sub>ini, b</sub>	Et TEX STEX SIST	
G.13	Printed boards	ans an an	Р



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01	Destruction of the second	Danish Damani	V/=1: -4
Clause	Requirement – Test	Result – Remark	Verdict
G.13.1	General requirements	Only need to comply with functional insulation, see only B.4.4.	P. P
G.13.2	Uncoated printed boards	It It Let get	N/A
G.13.3	Coated printed boards	With Mur Mur Mur	N/A
G.13.4	Insulation between conductors on the same inner surface	TEK MITEK MITEK WITEK	N/A
G.13.5	Insulation between conductors on different surfaces	t still mitel miles with	N/A
d-	Distance through insulation:	The The The	N/A
iner un	Number of insulation layers (pcs)	ALTER MITER MALIE WALL	_
G.13.6	Tests on coated printed boards	a to the state of	N/A
G.13.6.1	Sample preparation and preliminary inspection	LIER WALLE WALL WALL	N/A
G.13.6.2	Test method and compliance	a at at at	N/A
G.14	Coating on components terminals	TE WILL MILL MILL MI	N/A
G.14.1	Requirements	THE STATE OF STATE OF	N/A
G.15	Pressurized liquid filled components	MULL MULL MULL MULL	N/A
G.15.1	Requirements	No such component	N/A
G.15.2	Test methods and compliance	2 July July	N/A
G.15.2.1	Hydrostatic pressure test	The Title	N/A
G.15.2.2	Creep resistance test	or mer mer mill	N/A
G.15.2.3	Tubing and fittings compatibility test	of the lift aliet in	N/A
G.15.2.4	Vibration test	Mr. M. M.	N/A
G.15.2.5	Thermal cycling test	THE STEE WITE WAIT	N/A
G.15.2.6	Force test	an an an	N/A
G.15.3	Compliance	LIER NITER INLIER WHITE	N/A
G.16	IC including capacitor discharge function (ICX)	y and a state of	N/A
G.16.1	Condition for fault tested is not required	No such component	N/A
- LEF	ICX with associated circuitry tested in equipment	1 1	N/A
21/2 21	ICX tested separately	intie mit unti unti	N/A
G.16.2	Tests	A A A A	N/A
	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	Marie Marie Marie Marie	_
NUT.	Mains voltage that impulses to be superimposed on	LIER WHITE MULTE MILL	_
WALTE	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test:	ex unitex unitex uniter un	
G.16.3	Capacitor discharge test	A ST ST ST	N/A



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

Н	CRITERIA FOR TELEPHONE RINGING SIGNALS		N/A
H.1	General	A WILL WILL MULL MULL	N/A
H.2	Method A	The state of	N/A
H.3	Method B	WILL MILE MALL AND	N/A
H.3.1	Ringing signal	No telephone ringing signal generated within the equipment.	N/A
H.3.1.1	Frequency (Hz)	et set set siet wie	_
H.3.1.2	Voltage (V)	The Me in in	_
H.3.1.3	Cadence; time (s) and voltage (V)		_
H.3.1.4	Single fault current (mA):	415 415 41	_
H.3.2	Tripping device and monitoring voltage	LIER OLIER WILLER WILLER	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	et lifet slifet slifet	N/A
H.3.2.2	Tripping device	in the the table	N/A
H.3.2.3	Monitoring voltage (V)	the lift alies with while	N/A
J	INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION		N/A
J.1	General	21 14 14	N/A
TER SILIE	Winding wire insulation	TELLITE STATE OF THE STATE OF	_
L A	Solid round winding wire, diameter (mm)	is my my	N/A
MULL	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²)	I WHITE WALTER WHITE WAL	N/A
J.2/J.3	Tests and Manufacturing	F THE THE STEEL WITH	" 11/16"
K	SAFETY INTERLOCKS		N/A
K.1	General requirements		N/A
EK NITEK	Instructional safeguard	No safety interlock provided within the equipment.	N/A
K.2	Components of safety interlock safeguard me	chanism	N/A
K.3	Inadvertent change of operating mode	et get get get get	N/A
K.4	Interlock safeguard override	me me me	N/A
K.5	Fail-safe	- JEK LIEK NITER MITE	N/A
K.5.1	Under single fault condition	The sur sur a	N/A
K.6	Mechanically operated safety interlocks	THE STEEL WITH WAITER WAITER	N/A
K.6.1	Endurance requirement	1, 10, 10, 1	N/A
K.6.2	Test method and compliance	of the south south south south	N/A
K.7	Interlock circuit isolation	711	N/A



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200	EN IEC 62368-		Y
Clause	Requirement – Test	Result – Remark	Verdict
2/V	THE THE STATE OF THE STATE OF	Er Will Will AVI	1/1/2
K.7.1	Separation distance for contact gaps & interlock circuit elements	TER THE TER WITH	N/A
	In circuit connected to mains, separation distance for contact gaps (mm)	AND THE TEXT TEXT	N/A
ek ek	In circuit isolated from mains, separation distance for contact gaps (mm):	Will mer my my	N/A
, mi	Electric strength test before and after the test of K.7.2	THE WALTER WALTER WALTER W	N/A
K.7.2	Overload test, Current (A):	t THE LITER SLIFE SING	N/A
K.7.3	Endurance test	Any Any On The	N/A
K.7.4	Electric strength test	LIEF OLIEF ORLIEF	N/A
L	DISCONNECT DEVICES		N/A
L.1 🐠	General requirements	LIFE MITE WALL WALL	N/A
L.2	Permanently connected equipment	a state	N/A
L.3	Parts that remain energized	ET INITE WALL WALL ON	N/A
L.4	Single-phase equipment	A St St St	N/A
L.5	Three-phase equipment	WALL MALL WALL WALL	N/A
L.6	Switches as disconnect devices	at the state	N/A
L.7	Plugs as disconnect devices	2 July Aug	N/A
L.8	Multiple power sources	The Link	N/A
42.	Instructional safeguard	mr. mr. m. 2	N/A
М	<b>EQUIPMENT CONTAINING BATTERIES AND TH</b>	HEIR PROTECTION CIRCUITS	P
M.1	General requirements	Mer Mr. M. M.	Р
M.2	Safety of batteries and their cells	- TEK STEEK STEEK SOUTE	P
M.2.1	Batteries and their cells comply with relevant IEC standards	Approved Coin battery used, see table 4.1.2.	P
M.3	Protection circuits for batteries provided within the equipment	ne we we will	P
M.3.1	Requirements	THE WALL MALL MALL ON	P
M.3.2	Test method	L St St St S	P
211, 1	Overcharging of a rechargeable battery	Maria Maria American	N/A
VITER 10	Excessive discharging	at let let liet	N/A
164 - 16	Unintentional charging of a non-rechargeable battery	Not Unintentional charging	N/A
Me	Reverse charging of a rechargeable battery	LIE MILL WALL WALL V	N/A
M.3.3	Compliance	e of the state of	P.
M.4	Additional safeguards for equipment containing lithium battery	g a portable secondary	N/A
M.4.1	General	LIER STEE WIFE WILL	N/A



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- 27	EN IEC 62368-	the the the	20.
Clause	Requirement – Test	Result – Remark	Verdict
m.	W W THE THE	EL WILL WILL OUR W	201
M.4.2	Charging safeguards		N/A
M.4.2.1	Requirements	WILL MILL MULL AND	N/A
M.4.2.2	Compliance:	The state of the s	N/A
M.4.3	Fire enclosure	ALTE WALL WALL WALL	N/A
M.4.4	Drop test of equipment containing a secondary lithium battery	TEX SITEX OLIEX ONITEX	N/A
M.4.4.2	Preparation and procedure for the drop test	711 211 2	N/A
M.4.4.3	Drop, Voltage on reference and dropped batteries (V); voltage difference during 24 h period (%)::	WALLER WHITEL MALLE MA	N/A
M.4.4.4	Check of the charge/discharge function	TEX TEX STEE STEE	N/A
M.4.4.5	Charge / discharge cycle test	me me me	N/A
M.4.4.6	Compliance	TER LIFE STEE WITE	N/A
M.5	Risk of burn due to short-circuit during carrying	g	N/A
M.5.1	Requirement	ex liex when while an	N/A
M.5.2	Test method and compliance	111 211	N/A
M.6	Safeguards against short-circuits	ALTER MITE WALLE WAL	N/A
M.6.1	External and internal faults		N/A
M.6.2	Compliance	White whi	N/A
M.7	Risk of explosion from lead acid and NiCd batte	eries	N/A
M.7.1	Ventilation preventing explosive gas concentration	The White Much white	N/A
William.	Calculated hydrogen generation rate:	H LIFE WITE WITE WA	N/A
M.7.2	Test method and compliance	711 711	N/A
mer m	Minimum air flow rate, Q (m³/h)	ALTER MALTER MALTER MALE	N/A
M.7.3	Ventilation tests		N/A
M.7.3.1	General	ALTER INCIDENCE WALL WALL	N/A
M.7.3.2	Ventilation test – alternative 1	and the state of	N/A
m	Hydrogen gas concentration (%)	LES WILL MULT MULT M	N/A
M.7.3.3	Ventilation test – alternative 2	at the set of	N/A
in i	Obtained hydrogen generation rate:	White Mail Mail And	N/A
M.7.3.4	Ventilation test – alternative 3	at at all all	N/A
20	Hydrogen gas concentration (%)	ner mer mer me	N/A
M.7.4	Marking:	et let let liet	N/A
M.8	Protection against internal ignition from externation and externation and externation are set of the set of th	al spark sources of batteries	N/A
M.8.1	General	White Must and an	N/A
M.8.2	Test method	1 1 1 1	N/A



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EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
ale	AN AN AN AN AND AND AND AND AND AND AND	THE STIP MET WILL	11/20 11/2	
M.8.2.1	General	70, 7	N/A	
M.8.2.2	Estimation of hypothetical volume $V_Z$ (m <sup>3</sup> /s):	A CHIEF WHILE WHILE A	ing and	
M.8.2.3	Correction factors:	The state of	alt sit	
M.8.2.4	Calculation of distance d (mm):	WILL MULL MULL MU	21/2 -	
M.9	Preventing electrolyte spillage	at the tite of	N/A	
M.9.1	Protection from electrolyte spillage	ing murit murit muri	N/A	
M.9.2	Tray for preventing electrolyte spillage	L SEL SEL SEL	N/A	
M.10	Instructions to prevent reasonably foreseeable misuse	must my my	N/A	
no m	Instructional safeguard	WILL WILL MAN W	N/A	
Net 3	ELECTROCHEMICAL POTENTIALS		N/A	
711.	Material(s) used:	ILLE WALL WALL WALL WALL	1/2 -1	
0 150	MEASUREMENT OF CREEPAGE DISTANCES A	AND CLEARANCES	N/A	
10	Value of X (mm):	The me me	111 1	
P STEE	SAFEGUARDS AGAINST CONDUCTIVE OBJECT	CTS At All SHE	P P	
P.1	General	MULT MILL WITH	N/A	
P.2	Safeguards against entry or consequences of	entry of a foreign object	UTE NUT P	
P.2.1	General	1 1 1 20	Р	
P.2.2	Safeguards against entry of a foreign object	TE TE STILL OUT	N/A	
L 2+	Location and Dimensions (mm)	70 70 70	,t -	
P.2.3	Safeguards against the consequences of entry of a foreign object	White white white	N/A	
P.2.3.1	Safeguard requirements	THE THE STEE	N/A	
uret au	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment	and the let the	N/A	
et tex	Transportable equipment with metalized plastic parts	War My My And	N/A	
P.2.3.2	Consequence of entry test:	TE WILL MALL WALL	N/A	
P.3	Safeguards against spillage of internal liquids	1 A St St	N/A	
P.3.1	General	No such liquids.	N/A	
P.3.2	Determination of spillage consequences	at at at	N/A	
P.3.3	Spillage safeguards	MULL MULL MULL ON	N/A	
P.3.4	Compliance	at all the	N/A	
P.4	Metallized coatings and adhesives securing pa	arts we we	N/A	
P.4.1	General	No such construction.	N/A	
P.4.2	Tests of the first many many	mi me me	N/A	
256	Conditioning, T <sub>C</sub> (°C):	e the tell till	LIFE OLIFE	



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Clause	Requirement – Test	Result – Remark	Verdict
- Nadogo	An A	St. City Command	10000
, et	Duration (weeks)	10 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	+ 70
Q <sup>CC</sup> 4	CIRCUITS INTENDED FOR INTERCONNECTION	WITH BUILDING WIRING	N/A
Q.1	Limited power sources	The state of the	N/A
Q.1.1	Requirements	ALTER WALTE WALL WALL	N/A
EK JE	a) Inherently limited output	a state of	N/A
nh.	b) Impedance limited output	ite write min me w	N/A
LIEK	c) Regulating network limited output	L St St The S	N/A
211.	d) Overcurrent protective device limited output	murit mur mur mur	N/A
ALTEK II	e) IC current limiter complying with G.9	Let let let site	N/A
Q.1.2	Test method and compliance	anti, anti, and ani	N/A
LIER WAL	Current rating of overcurrent protective device (A)	LIES WHITEK WHITEK	N/A
Q.2	Test for external circuits – paired conductor cable	Et NITET WITER WAITER W	N/A
, et	Maximum output current (A):		N/A
11/2 1	Current limiting method	COLIFE WALTE WALL WALL	Mer
R.	LIMITED SHORT CIRCUIT TEST	The state	N/A
R.1	General	No such consideration.	N/A
R.2	Test setup	The state of	N/A
211	Overcurrent protective device for test:	The Walt Mar Mar a	1 - 1,
R.3	Test method	t let tet tet a	N/A
20,	Cord/cable used for test	The me me in	
R.4	Compliance	THE THE LITTER WITH	N/A
S	TESTS FOR RESISTANCE TO HEAT AND FIRE	Mur. Mr. My M.	N/A
S.1	Flammability test for fire enclosures and fire ba where the steady state power does not exceed		N/A
1- 25			74

Q	CIRCUITS INTENDED FOR INTERCONNECTION	I WITH BUILDING WIRING	N/A
Q.1	Limited power sources	The state of	N/A
Q.1.1	Requirements	RITE WALL WALL WALL	N/A
et d	a) Inherently limited output	a state	N/A
alle	b) Impedance limited output	it will will and all	N/A
- JEK	c) Regulating network limited output	L St Set Set C	N/A
70.	d) Overcurrent protective device limited output	MULL MAL MAL MA	N/A
LIFE	e) IC current limiter complying with G.9	at let let lite	N/A
Q.1.2	Test method and compliance:	mi, m, m, m	N/A
LIER WA	Current rating of overcurrent protective device (A)	Liet whilek whilek whilek	N/A
Q.2	Test for external circuits – paired conductor cable	EX SLICK INCIDER MINISTER MIN	N/A
,et	Maximum output current (A)	70 x x x	N/A
W.C.	Current limiting method	CULTER WILL WALL WALL	21/2
R,	LIMITED SHORT CIRCUIT TEST		N/A
R.1	General	No such consideration.	N/A
R.2	Test setup	the title	N/A
- In	Overcurrent protective device for test:	The water and a	- 44
R.3	Test method	t at at at a	N/A
4,	Cord/cable used for test	me me m	4,
R.4	Compliance	THE THE LIFE NATE	N/A
S	TESTS FOR RESISTANCE TO HEAT AND FIRE	The Me Me Me	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
et all	Samples, material	at let let little	76th -1740
10,	Wall thickness (mm)	Aur Au Au Au	
MITE	Conditioning (°C):	- TEN STEN SLIFE SKLT	- 11 <u>-17</u> 6
LIER.	Test flame according to IEC 60695-11-5 with conditions as set out	AT THE THE	N/A
D. 1.	- Material not consumed completely	White Must show any	N/A
TER OU	- Material extinguishes within 30s	et set set with	N/A
, J.,	- No burning of layer or wrapping tissue	r mr m m	N/A
S.2	Flammability test for fire enclosure and fire bar	rier integrity	N/A
1	Samples, material	Mr. Mr. M.	
10 LTE	Wall thickness (mm)	TEN LIEN LIEN MITE	- druis



## Page 34 of 66

Clause	Requirement – Test	Result – Remark	Verdict
Clades	The Transition of the Transiti	Fr street net solver and	- Condict
.et	Conditioning (°C)	70 70	at <del>al</del>
S.3	Flammability test for the bottom of a fire enclose	sure set must me unit	N/A
S.3.1	Mounting of samples	The state of	N/A
S.3.2	Test method and compliance	NITE WILL WALL WALL	N/A
EF JE	Mounting of samples	at the fifth	TEX-
1/1	Wall thickness (mm)	The MULL MULL MULL	11 - 11
S.4	Flammability classification of materials	t et let slet s	N/A
S.5	Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W	The street water which	N/A
	Samples, material	The said the	
ris Mires	Wall thickness (mm)	LIER OLIER MALE MALIE	111 - 1
y	Conditioning (°C):	i i it it	at -
T Junto	MECHANICAL STRENGTH TESTS	TER MILE WALLE WALLE	N/A
T.1	General	and the second	N/A
T.2	Steady force test, 10 N:	Write Write Whi whi	N/A
T.3	Steady force test, 30 N:	At the state of	N/A
T.4	Steady force test, 100 N:	A Thur Any	N/A
T.5	Steady force test, 250 N:	THE THE	N/A
T.6	Enclosure impact test	is me me me	N/A
MILIER	Fall test	et itel street outer in	N/A
A.	Swing test	Mr. Mr. M. A.	N/A
T.7	Drop test:	LIEF WIEL WILL WILL	N/A
T.8	Stress relief test:	The the table	N/A
T.9	Glass Impact Test	No such glass	N/A
T.10	Glass fragmentation test		
71/2	Number of particles counted:	No such glass	N/A
T.11	Test for telescoping or rod antennas	t at alt alt a	N/A
THE THE	Torque value (Nm):	No such antennas provided within the equipment.	N/A
U W	MECHANICAL STRENGTH OF CATHODE RAY TUBES (CRT) AND PROTECTION AGAINST THE EFFECTS OF IMPLOSION		N/A
Ù.1 🐠	General	LITER INLIER MALLE MALL	N/A
y Whiteh	Instructional safeguard:	No CRT provided within the equipment.	N/A
U.2	Test method and compliance for non-intrinsically protected CRTs		N/A
U.3	Protective screen		N/A



N/A

N/A N/A

#### Reference No.:WTF24D11272670X1Y

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211.	EN IEC 62368	1st will will will	91, 21
Clause	Requirement – Test	Result – Remark	Verdict
V	DETERMINATION OF ACCESSIBLE PARTS	the way were one on	N/A
V.1	Accessible parts of equipment		N/A
V.1.1	General	The April 19 7 7	N/A
V.1.2	Surfaces and openings tested with jointed test probes	WILLEY WHILE WHILE WHILE	N/A
V.1.3	Openings tested with straight unjointed test probes	CER STER STER WITE IN	N/A
V.1.4	Plugs, jacks, connectors tested with blunt probe	The The The	N/A
V.1.5	Slot openings tested with wedge probe	et allet ulle unite and	N/A
V.1.6	Terminals tested with rigid test wire	20, 20,	N/A
V.2	Accessible part criterion	OLITER WALTER WALTER WALTER	N/A
Xx	ALTERNATIVE METHOD FOR DETERMINING CINSULATION IN CIRCUITS CONNECTED TO AN 420 V PEAK (300 V RMS)		N/A
IL ILIES	Clearance:	et let let liet liet	N/A
Υ	CONSTRUCTION REQUIREMENTS FOR OUTDO	OOR ENCLOSURES	N/A
Y.1	General	Indoor equipment	N/A
Y.2	Resistance to UV radiation	West August 2011	N/A
Y.3	Resistance to corrosion	At Caller Mile	N/A
Y.3	Resistance to corrosion	7 1 1	N/A
Y.3.1	Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by	TE WHITE MILE WHITE	N/A
Y.3.2	Test apparatus	St TEX STER STEEL IN	N/A
Y.3.3	Water – saturated sulphur dioxide atmosphere	in the me in a	N/A
Y.3.4	Test procedure:	TEX STEX OUTER MAIN	N/A
Y.3.5	Compliance	The The American	N/A
Y.4	Gaskets	LIER ALTER WALTER WILLER	N/A
Y.4.1	General	Electric Property of the Control of	N/A
Y.4.2	Gasket tests	LEK SLIEF WILL MULLEN	N/A
Y.4.3	Tensile strength and elongation tests	711 27 34	N/A
White !	Alternative test methods:	E INLIER WALTE WALTE WAL	N/A
Y.4.4	Compression test	A A ST ST	N/A
Y.4.5	Oil resistance	WITE WALL WALL WALL	N/A
Y.4.6	Securing means	L H H A	N/A
Y.5	Protection of equipment within an outdoor encl	osure	N/A
4			٠

General

Protection from moisture

Relevant tests of IEC 60529 or Y.5.3....:

Y.5.1

Y.5.2



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EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
Me	and the second	CIET LITE MET MAN	The Me	
Y.5.3	Water spray test	The The Asset of	N/A	
Y.5.4	Protection from plants and vermin	LIER ALTER WITE MITE	N/A	
Y.5.5	Protection from excessive dust	n n n	N/A	
Y.5.5.1	General	TER RITER WITE WALL OF	N/A	
Y.5.5.2	IP5X equipment		N/A	
Y.5.5.3	IP6X equipment	MILL WILL WALL WAS	N/A	
Y.6	Mechanical strength of enclosures	L A At At	N/A	
Y.6.1	General	WILL MULL AND CHILL	N/A	
Y.6.2	Impact test	·····i	N/A	





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

## ATTACHMENT TO TEST REPORT

#### IEC 62368-1

### **EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES**

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

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

Attachment Form No.....: EU\_GD\_IEC62368\_1E

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

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

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	CENELEC COMMON MODIFICATIONS (EN)	WITEL MUTTE WHILE WALL	L. ban
MUTER A	Clause numbers in the cells that are shaded light grey are clause references in EN IEC 62368-1:2020+A11:2020. All other clause numbers in that column, except for those in the paragraph below, refers to IEC 62368-1:2018.  Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 62368-1:2018 are prefixed "Z".		
iek waite waitek	Add the following annexes:  Annex ZA (normative)Normative references to interr corresponding European publications  Annex ZB (normative)Special national conditions  Annex ZC (informative)A-deviations  Annex ZD (informative)IEC and CENELEC code decoded	LIFE MILITE MILITER W	WHITEK WHITEK
1	Modification to Clause 3.		N/A
3.3.19	Sound exposure Replace 3.3.19 of IEC 62368-1 with the following definitions:		N/A
3.3.19.1	momentary exposure level, MEL metric for estimating 1 s sound exposure level from the HD 483-1 S2 test signal applied to both channels, based on EN 50332-1:2013, 4.2.  Note 1 to entry: MEL is measured as A-weighted levels in dB. Note 2 to entry: See B.3 of EN 50332-3:2017 for additional information.	Not such equipment	N/A
3.3.19.3	sound exposure, E  A-weighted sound pressure ( $p$ ) squared and integrated over a stated period of time, $T$ Note 1 to entry: The SI unit is Pa² s. $E = \int_{0}^{T} p(t)^2  \mathrm{d}t$		N/A



20	EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
- Mrs	Mr. Mr. A. Chr.	Et ITE SITE WILL	Will Mill		
3.3.19.4	sound exposure level, SEL logarithmic measure of sound exposure relative to a reference value, <i>Eo</i> , typically the 1 kHz threshold of hearing in humans.	Whitek whitek whitek	N/A		
	Note 1 to entry: $SEL$ is measured as A-weighted levels in dB. $SEL = 10 \lg \left(\frac{E}{E_0}\right) {\sf dB}$ Note 2 to entry: See B.4 of EN 50332-3:2017 for additional	NUTER WALTER WALTER WAS	TEX MITEX MUTEX		
SCITE SI	information.	LET JET JET	The state of		
3.3.19.5	digital signal level relative to full scale, dBFS levels reported in dBFS are always r.m.s. Full scale level, 0 dBFS, is the level of a dc-free 997-Hz sine wave whose undithered positive peak value is positive digital full scale, leaving the code corresponding to negative digital full scale unused Note 1 to entry: It is invalid to use dBFS for non-r.m.s. levels. Because the definition of full scale is based on a sine wave, the level of signals with a crest factor lower than that of a sine wave may exceed 0 dBFS. In particular, square wave signals may reach +3,01 dBFS.	LIEK WHITEK WHITEK WHITEK	N/A		
2	Modification to Clause 10		N/A		
10.6	Safeguards against acoustic energy sources Replace 10.6 of IEC 62368-1 with the following:		N/A		
10.6.1.1	Introduction	700 700 700	N/A		
While who was a supply with the supply with th	Safeguard requirements for protection against long-term exposure to excessive sound pressurelevels from personal music players closely coupled to the ear are specified below. Requirements for earphones and headphones intended for use with personal music players are also covered.  A personal music player is a portable equipment intended for use by an ordinary person, that:	MANUTER WHITER WHITER WHITER WHITER WHITER WHITER WHITER WHITER	white whitek whitek		
	<ul> <li>is designed to allow the user to listen to audio or audiovisual content / material; and</li> <li>uses a listening device, such as headphones or earphones that can be worn in or on or around the ears; and</li> <li>has a player that can be body worn (of a size suitable to be carried in a clothing pocket) and is intended for the user to walk around with while in continuous use (for example, on a street, in a</li> </ul>	JEK WALTER WALTER	JUNITER WHITER WHI		
	subway, at an airport, etc.).  EXAMPLES Portable CD players, MP3 audio players, mobile	et tret paret mais	EK WATER WATER		



Requirement – Test  equirements of either 10.6.2 or 10.6.3.  IOTE 1 Protection against acoustic energy sources from elecom applications is referenced to ITU-T P.360.  IOTE 2 It is the intention of the Committee to allow the Iternative methods for now, but to only use the dose neasurement method as given in 10.6.5 in future. Therefore, nanufacturers are encouraged to implement 10.6.5 as soon is possible.  Listening devices sold separately shall comply with the requirements of 10.6.6.  These requirements are valid for music or video mode only.  The requirements do not apply to:  Professional equipment;	Result – Remark	Verdict
IOTE 1 Protection against acoustic energy sources from elecom applications is referenced to ITU-T P.360.  IOTE 2 It is the intention of the Committee to allow the Iternative methods for now, but to only use the dose neasurement method as given in 10.6.5 in future. Therefore, nanufacturers are encouraged to implement 10.6.5 as soon is possible.  Listening devices sold separately shall comply with the requirements of 10.6.6.  These requirements are valid for music or video mode only.  The requirements do not apply to:  - professional equipment;	MILIER WHITER WHITER  WHITER WHITER WHITER  WHITER WHITER WHITER  WHITER WHITER WHITER  WHITER WHITER  WHITER WHITER  WHITER WHITER	White whitek whi
IOTE 1 Protection against acoustic energy sources from elecom applications is referenced to ITU-T P.360.  IOTE 2 It is the intention of the Committee to allow the Iternative methods for now, but to only use the dose neasurement method as given in 10.6.5 in future. Therefore, nanufacturers are encouraged to implement 10.6.5 as soon is possible.  Listening devices sold separately shall comply with the requirements of 10.6.6.  These requirements are valid for music or video mode only.  The requirements do not apply to:  - professional equipment;	WALTER	Whitek Whitek Whitek Whitek Whitek
IOTE 2 It is the intention of the Committee to allow the Iternative methods for now, but to only use the dose neasurement method as given in 10.6.5 in future. Therefore, nanufacturers are encouraged to implement 10.6.5 as soon is possible.  Listening devices sold separately shall comply with the requirements of 10.6.6.  These requirements are valid for music or video mode only.  The requirements do not apply to:  Professional equipment;	Whitek wh	Whitek whitek white whitek whi
Iternative methods for now, but to only use the dose neasurement method as given in 10.6.5 in future. Therefore, nanufacturers are encouraged to implement 10.6.5 as soon is possible.  Listening devices sold separately shall comply with the requirements of 10.6.6.  These requirements are valid for music or video mode only.  The requirements do not apply to:  Professional equipment;	NATER WHITER	ALTER ONLTE ON THE WALTER
with the requirements of 10.6.6. These requirements are valid for music or video mode only. The requirements do not apply to: The professional equipment;	t whitek whitek whitek	Whitek whitek
These requirements are valid for music or video mode only. The requirements do not apply to: Professional equipment;	WALLER WALLER WALLER	WILL WAY
professional equipment;	WHITEK WHITEK WHITEK	CITE BLAN
IOTE OD at a signal and invention of a little or in		24. 24. 2
IOTE 3Professional equipment is equipment sold through pecial sales channels. All products sold throughnormal lectronics stores are considered not to be professional quipment.	STEE WALTER WALTER OF	itek mitek mai
hearing aid equipment and other devices for assistive listening; the following type of analogue personal music	er until whith while	white whitek
players: Iong distance radio receiver (for example, a multiband radio receiver or world band radio eceiver, an AM radio receiver), and cassette player/recorder;	whitet whitet	Writes markes on
IOTE 4 This exemption has been allowed because this echnology is falling out of use and it is expected that within a ew years it will no longer exist. This exemption will not be xtended to other technologies.	ter unite unit unit	t while autility
a player while connected to an external amplifier that does not allow the user to walk bround while in use.	antiet milet unites	unite white
For equipment that is clearly designed or intended or imarily for use by children, the limits of the elevant toy standards may apply.	NITER WHITER WHITER W	Liter Militer Mili
The relevant requirements are given in EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	te until until uni	MITE MILER
Ion-ionizing radiation from radio frequencies n the range 0 to 300 GHz	ALL ALL ALL	N/A
The amount of non-ionizing radiation is regulated by European Council Recommendation 999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic elds (0 Hz to 300 GHz).  For intentional radiators, ICNIRP guidelines hould be taken into account for Limiting	White whitek whitek whi	ine with white suntifer
oriel Then They 9 ex e	ryears it will no longer exist. This exemption will not be ended to other technologies.  a player while connected to an external applifier that does not allow the user to walk bound while in use.  by equipment that is clearly designed or intended marily for use by children, the limits of the evant toy standards may apply.  by e relevant requirements are given in 1/171-1:2011, 4.20 and the related tests methods domeasurement distances apply.  con-ionizing radiation from radio frequencies the range 0 to 300 GHz  be amount of non-ionizing radiation is regulated European Council Recommendation 1/19/519/EC of 12 July 1999 on the limitation of posure of the general public to electromagnetic lds (0 Hz to 300 GHz).  For intentional radiators, ICNIRP guidelines could be taken into account for Limiting aposure to Time-Varying Electric, Magnetic, and extromagnetic Fields (up to 300 GHz). For	a player while connected to an external applifier that does not allow the user to walk bound while in use.  In requipment that is clearly designed or intended marily for use by children, the limits of the evant toy standards may apply.  The relevant requirements are given in 171-1:2011, 4.20 and the related tests methods domeasurement distances apply.  Ton-ionizing radiation from radio frequencies the range 0 to 300 GHz  The amount of non-ionizing radiation is regulated European Council Recommendation 99/519/EC of 12 July 1999 on the limitation of posure of the general public to electromagnetic lds (0 Hz to 300 GHz).  The intentional radiators, ICNIRP guidelines ould be taken into account for Limiting the posure to Time-Varying Electric, Magnetic, and

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C	EN IEC 62368-1				MUTTE MUTTER
	Clause	Requirement – Test	Weight Albert All And And	Result – Remark	Verdict

	drawn to EN 50360 and EN 50566.	10. 2.	
10.6.2	Classification of devices without the capacity to	o estimate sound dose	N/A
10.6.2.1  10.6.2.1  Indicate white w	Classification of devices without the capacity to General  This standard is transitioning from short-term based (30 s) requirements to long-term based (40 hour) requirements. These clauses remain in effect only for devices that do not comply with sound dose estimation as stipulated in EN 50332-3.  For classifying the acoustic output LAeq, T, measurements are based on the A-weighted equivalent sound pressure level over a 30 s period.  For music where the average sound pressure (long term LAeq, T) measured over the duration of the song is lower than the average produced by the programme simulation noise, measurements may be done over the duration of the complete song. In this case, T becomes the duration of the song.  NOTE Classical music, acoustic music and broadcast typically has an average sound pressure (long term LAeq, T) which is much lower than the average programme simulation noise. Therefore, if the player is capable to analyse the content and compare it with the programme simulation noise, the warning does not need to be given as long as the average sound pressure of the song does not exceed the required limit. For example, if the player is set with the programme simulation noise to 85 dB, but the average music level of the	Not such equipment	N/A N/A N/A
10.6.2.2 In the second	song is only 65 dB, there is no need to give a warning or ask an acknowledgement as long as the average sound level of the song is not above the basic limit of 85 dB. <b>RS1 limits (to be superseded, see 10.6.3.2)</b> RS1 is a class 1 acoustic energy source that does not exceed the following:  — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the LAeq, racoustic output shall be ≤ 85 dB when playing the fixed "programme simulation noise" described in EN 50332-1.  — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 27 mV (analogue interface) or -25 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN 50332-1.  — The RS1 limits will be updated for all devices as per 10.6.3.2.	antifet whitet whitet white whitet wh	AND TEXT OF THE STATE OF THE ST



EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
with the	WI WILL THE ST	the alter out of and and	Veg 1012
10.6.2.3	RS2 limits (to be superseded, see 10.6.3.3)	at let let	N/A
	RS2 is a class 2 acoustic energy source that does not exceed the following:  — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or when the combination of player and listening device is known by other means such as setting or automatic 130 detection, the <i>L</i> Aeq, <i>T</i> acoustic output shall be ≤ 100 dB(A) when playing the fixed "programme simulation noise" as described in EN 50332-1.  — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 150 mV (analogue interface) or -10 dBFS (digital interface) when playing the fixed "programme simulation noise" as described in EN 50332-1.	MITER WALTER WAL	MITER WA
10.6.2.4	RS3 limits		N/A
10.0.2.4	RS3 is a class 3 acoustic energy source that exceeds RS2 limits.	White white white wh	K WAY
10.6.3	Classification of devices (new)	MALI WALL	N/A
10.6.3.1	General	Not such equipment	N/A
	Previous limits (10.6.2) created abundant false negative and false positive PMP sound level warnings. New limits, compliant with The Commission Decision of 23 June 2009, are given below.	TER WHITE WHITEK WHITEK	alory and
10.6.3.2	RS1 limits (new)	et et let o	N/A
	RS1 is a class 1 acoustic energy source that does not exceed the following:  — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the LAeq, racoustic output shall be ≤ 80 dB when playing the fixed "programme simulation noise" described in EN 50332-1.  — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 15 mV (analogue interface) or -30 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN 50332-1.	NITER WHITER WHI	Whitek whitek
10.6.3.3		Mill Mr. Mr. Mr.	NI/A
10.0.3.3	RS2 limits (new) RS2 is a class 2 acoustic energy source that does not exceed the following:	STEE WITER WATER	N/A



01	EN IEC 62368-		1,7
Clause	Requirement – Test	Result – Remark	Verdict
WALTER WALTER	<ul> <li>for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the weekly sound exposure level, as described in EN 50332-3, shall be ≤ 80 dB when playing the fixed "programme simulation noise" described in EN 50332-1.</li> <li>for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output level, integrated over one week, as described in EN50332-3, shall be ≤ 15 mV (analogue interface) or -30 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN50332-1.</li> </ul>	MALIER WALTER WALTER  MALIER WALTER WALTER  MALIER	White
10.6.4	Requirements for maximum sound exposure		√ N/A
10.6.4.1	Measurement methods  All volume controls shall be turned to maximum during tests.  Measurements shall be made in accordance with	Not such equipment	N/A
NITER WA	EN 50332-1 or EN 50332-2 as applicable.	At Maria	NITE WALTER
10.6.4.2  THE WALTER  WHITE AND THE STREET	Protection of persons  Except as given below, protection requirements for parts accessible to ordinary persons, instructed persons and skilled persons are given in 4.3.  NOTE 1 Volume control is not considered a safeguard.  Between RS2 and an ordinary person, the basic safeguard may be replaced by an instructional safeguard in accordance with Clause F.5, except that the instructional safeguard shall be placed on the equipment, or on the packaging, or in the instruction manual.  Alternatively, the instructional safeguard may be given through the equipment display during use.	TEX WALTER WALTER WALTER  WALTER WALTER WALTER  WALTER WALTER WALTER  TEX WALTER WALTER  WALTER WALTER  WALTER WALTER  WALTER WALTER  WALTER	EL WALTER WALTER
	The elements of the instructional safeguard shall be as follows:  - element 1a: the symbol 6044 (2011-01) - element 2: "High sound pressure" or equivalent wording	untitle mutter mutter mu	TEX WITEX
	<ul> <li>– element 3: "Hearing damage risk" or equivalent wording</li> <li>– element 4: "Do not listen at high volume levels for long periods." or equivalent wording</li> </ul>	Tex Tex Stex	White White





7	V	
	V	

01	EN IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
24		E MILL WILL MAN	1/2 1/1
	An equipment safeguard shall prevent exposure	1 th 15	18 JE
	of an <b>ordinary person</b> to an RS2 source without	LIFE OUT WALL WALL TO	Vr. Mur
	intentional physical action from the <b>ordinary</b>	The The so	
	person and shall automatically return to an output	A St St S	ER JE
	level not exceeding what is specified for an RS1	alife with white whi	cape.
	source when the power is switched off.	10 10	.4.
	with the the the	IN THE THE THE	TE IS
	The equipment shall provide a means to actively	in with the Me	20, 20,
	inform the user of the increased sound level when		N 1
	the equipment is operated with an output	t the the state	inco with
	exceeding RS1. Any means used shall be	The The Miles	, and a
	acknowledged by the user before activating a	the state of	18th 18th
	mode of operation which allows for an output exceeding RS1. The acknowledgement does not	TER LIER OLIVE IN	C. Mrs.
	need to be repeated more than once every 20 h	The Mr. M. In In	
	of cumulative listening time.	I St St S	THE THE
	The state of the state of	LIE WILL WALL WALL	31/2, 3
	NOTE 2 Examples of means include visual or audible signals.	7	at the
	Action from the user is always needed.	Et TET JEER STEE	11 21 201
	NOTE 3 The 20 h listening time is the accumulative listening	were my me	2,
	time, independent of how often and how long the personal music player has been switched off.	a to the	11 16
	music player has been switched on.	LIFE STILL WITH S	Ur. Mir
	A <b>skilled person</b> shall not be unintentionally	Mr. Mr. In .	
J. J. S.	exposed to RS3.		(E) (I')
10.6.5	Requirements for dose-based systems	and any	N/A
10.6.5.1	General requirements	Not such equipment	N/A
	Personal music players shall give the warnings as	THE OUTE WALL WALL	4/2 4/1
	provided below when tested according to EN	70 2	.L
	50332-3, using the limits from this clause.	the feet of the	The Will
	S THE STATE OF THE	Will with while	211.
	The manufacturer may offer optional settings to	300	1
	allow the users to modify when and how they wish	THE THE TERM OF	The Miles
	to receive the notifications and warnings to	Weight Mar My M	20
	promote a better user experience without		et let
	defeating the safeguards. This allows the users to	TEX ITEX NUT INT	Meli
	be informed in a method that best meets their	yr, mr. m. m.	
	physical capabilities and device usage needs. If such optional settings are offered, an	Let the test	
	administrator (for example, parental restrictions,	the alter alies while	11 24
	business/educational administrators, etc.) shall be	211, 211, 2	
	able to lock any optional settings into a specific	the set set	- 15 TE
	configuration.	alife white while a	110
	It the the the out with the	20, 20, 2,	4 24
	The personal music player shall be supplied with	it it it is	TE OLIV
	easy to understand explanation to the user of the	WILL MUE MUE MA	20,
	dose management system, the risks involved, and		+ 2+
	how to use the system safely. The user shall be	THE THE STEE STEE	CLT S
	made aware that other sources may significantly	The Mr. Mr. M.	2, 2,
	contribute to their sound exposure, for example	, , ,	et .
	work, transportation, concerts, clubs, cinema, car	et the tier with	are are
	races, etc.	21/2 21/2 21/2	20
2/12			1
10.6.5.2	Dose-based warning and requirements When a dose of 100 % CSD is reached, and at	et et et	N/A



01	Distriction of the second of t	Danit Daniant	1/
Clause	Requirement – Test	Result – Remark	Verdict
Whitek W	least at every 100 % further increase of <i>CSD</i> , the device shall warn the user and require an acknowledgement. In case the user does not acknowledge, the output level shall automatically decrease to compliance with class RS1.	White whitek whitek	MALIE MALIE
EX WALTER	The warning shall at least clearly indicate that listening above 100 % <i>CSD</i> leads to the risk of hearing damage or loss.	itek unitek intitek muti	ex writex w
10.6.5.3	Exposure-based requirements	The state of	N/A
	With only dose-based requirements, cause and effect could be far separated in time, defying the purpose of educating users about safe listening practice. In addition to dose-based requirements, a PMP shall therefore also put a limit to the short-term sound level a user can listen at.	antiek whitek whitek	MAC MALIER ANTER
	The exposure-based limiter (EL) shall automatically reduce the sound level not to exceed 100 dB(A) or 150 mV integrated over the past 180 s, based on methodology defined in EN 50332-3.  The EL settling time (time from starting level	EX WHITE WHITE WHITE	MATER WAS
	reduction to reaching target output) shall be 10 s or faster.	white whe will be	in wifet
	Test of EL functionality is conducted according to EN 50332-3, using the limits from this clause. For equipment provided as a package (player with its listening device), the level integrated over 180 s shall be 100 dB or lower. For equipment provided with a standardized connector, the unweighted level integrated over 180 s shall be no more than 150 mV for an analogue interface and no more than -10 dBFS for a digital interface.	TE WALTER WALTER WALTER	ex whitex whi
LIEN MALI	NOTE In case the source is known not to be music (or test signal), the EL may be disabled.	TEX TEX WIEW IN	TEX MITER
10.6.6	Requirements for listening devices (headphone	es, earphones, etc.)	N/A
10.6.6.1	Corded listening devices with analogue input With 94 dB LAeqacoustic pressure output of the listening device, and with the volume and sound settings in the listening device (for example, built-in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the input voltage of the listening device when playing the fixed "programme simulation noise" as described in EN 50332-1 shall be ≥ 75 mV.	Not such equipment	N/A  N/A  N/A
20,	NOTE The values of 94 dB and 75 mV correspond with 85 dB and 27 mV or 100 dB and 150 mV.  Corded listening devices with digital input	"MULL MULL MULL	211, 21,
10.6.6.2			N/A



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	EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
alle	WITH THE TOTAL STREET STREET	TER LUTE WITH MILE	The The		
ounties on the sunties	"programme simulation noise" described in EN 50332-1, and with the volume and sound settings in the listening device (for example, built-in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the $L_{Aeq,\tau}$ acoustic output of the listening device shall be $\leq$ 100 dB with an input signal of -10 dBFS.	Mariek watek watek watek wa	WILLER WHITER WAS		
10.6.6.3	Cordless listening devices	4 4	N/A		
Whitek Whitek Whitek Whitek Whitek Whitek	In cordless mode,  — with any playing and transmitting device playing the fixed programme simulation noise described in EN 50332-1; and  — respecting the cordless transmission standards, where an air interface standard exists that specifies the equivalent acoustic level; and  — with volume and sound settings in the receiving device (for example, built-in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output for the above mentioned programme simulation noise, the LAeq, τacoustic output of the listening device shall be ≤ 100 dB with an input signal of -10 dBFS.	WINLIER WHITE WHIT	while		
10.6.6.4	Measurement method	NATIONAL STATES	N/A		
iek antië	Measurements shall be made in accordance with EN 50332-2 as applicable.		IFE NITER NA		
3	Modification to the whole document		N/A		



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4			
" "IN		EN IEC 62368-1	
Clause	Requirement – Test	Result – Remark	Verdict

- L	0.2.1	Note 1 and 2	1	Note 4 and 5	3.3.8.1	Note 2	20,
WILLE	3.3.8.3	Note 1	4.1.15	Note	4.7.3	Note 1 and 2	SUPLIF
TEP 3	5.2.2.2	Note	5.4.2.3.2.2 Table 12	Note c	5.4.2.3.2.4	Note 1 and 3	LTEX
£ .	5.4.2.3.2.4	Note 2	5.4.2.5	Note 2	5.4.5.1	Note	et
211	Table 13						7,
UNLTE	5.4.10.2.1	Note	5.4.10.2.2	Note	5.4.10.2.3	Note	"INF
LIEK	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3 and 4	M.LTE
EX-	5.6.8	Note 2	5.7.6	Note	5.7.7.1	Note 1 and Note 2	TEX
un'i	8.5.4.2.3	Note	10.2.1 Table 39	Note 3 and 4 and 5	10.5.3	Note 2	, rJ
NIT!	10.6.1	Note 3	F.3.3.6	Note 3	Y.4.1	Note	كنة.
× +	Y.4.5	Note					20
		*		W A		a. 10. 14.	NITE
M	odification	to Clause 1					1
No ele		wing note: se of certain subst nent is restricted			WALLER WA	TER WHITE WAS	
	odification	to 4.Z1					



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



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EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
10.5.1	Add the following after the first paragraph:	E WILL AUT AU	NI/A	
10.5.12  OUTLIFE  VALUE  OUTLIFE  OUTLI	Add the following after the first paragraph:  For RS 1 compliance is checked by measurement under the following conditions:  In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or pre-sets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made.	MITER WHITER WHITER	N/A  MILITER  MILITER	
	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.  The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the apparatus.	Whitek whitek whitek w	MULTER MULTER	
	Moreover, the measurement shall be made under fault conditions causing an increase of the high voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made.	Whitek whitek whitek	Whitek Whitek	
	For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level.	TE WHITE WILL WA	TIEK WHITEK WH	
- JEH	NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996.	e st st st	the state of the	
9	Modification to G.7.1		N/A	
G.7.1	Add the following note:  NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in AnnexZD.	Whitek whitek whitek	N/A	
10	Modification to Bibliography		N/A	





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Clause	Requirement – Test	Result – Remark	Verdict

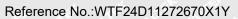
The.	All the state of	TER STEE WELL WALL THE	in an			
et	Add the following notes for the standards indicated	d:	N/A			
were a	IEC 60130-9 NOTE Harmonized as EN 60	130-9.	Wer.			
	IEC 60269-2 NOTE Harmonized as HD 603	269-2.				
JEE N	IEC 60309-1 NOTE Harmonized as EN 603		Liter (C)			
L. 211	IEC 60364 NOTE some parts harmonized in HD 384/HD 60364 series.					
* 0	IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4.					
All Marie	IEC 60664-5 NOTE Harmonized as EN 60664-5.					
100	IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified).					
- TEK	IEC 61508-1 NOTE Harmonized as EN 61508-1. IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1. IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4. IEC 61558-2-8 NOTE Harmonized as EN 61558-2-6. IEC 61643-1 NOTE Harmonized as EN 61643-1.					
W. C.						
. J						
in in	IEC 81843-21 NOTE Harmonized as EN 610		211 2			
14 1	IEC 61643-311 NOTE Harmonized as EN 610		1			
Str. Will	IEC 61643-321 NOTE Harmonized as EN 610		WELL OUT			
200	IEC 61643-331 NOTE Harmonized as EN 610					
et 18th			LEK JE			
11	ADDITION OF ANNEXES		N/A			
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS	(EN) at at all a	N/A			
4.1.15	Denmark, Finland, Norwayand Sweden Not directly connected to the					
nt un Tek unte Kuntek untek un	To the end of the subclause the following is added:  Class I pluggable equipment type A intended for connection to other equipment or anetwork shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socketoutlet.	mains	one of			
LITEK WAL	The marking text in the applicable countries shall be as follows:	WIFE MITEL WHITEK WHITEK	MULTER MU			
EK WALTER	In <b>Denmark</b> :  "Apparatetsstikpropskaltilsluttesenstikkontakt med jordsom giver forbindelsetilstikproppensjord."  In <b>Finland</b> : "Laite on	TEK WALTER WALTER WALTER W	TEK WALTE			
WALTE V	liitettäväsuojakoskettimillavarustettuunpistorasiaa n" In <b>Norway</b> :	Whitek whitek whiteh whi	WALL.			
	"Apparatetmåtilkoplesjordetstikkontakt" In <b>Sweden</b> : "Apparatenskallanslutas till jordatuttag"	MULTE MULTE MULT WILL	TEN N			



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Clause	Requirement – Test	Result – Remark	Verdict
ale .	M. A. J.	E. CLIV WITH WALL T	ne an
4.7.3	United Kingdom  To the end of the subclause the following is added:	whitek mutter mutter and	N/A
	The torque test is performed using a socket-outlet complying with BS 1363, and the plug part shall be assessed to the relevant clauses of BS 1363. Also see Annex G.4.2 of this annex	nited whited white white	SUPLEE V
5.2.2.2	Denmark After the 2nd paragraph add the following:	No high touch current measured.	N/A
unitek un	A warning (marking safeguard) for high touch current is required if the touch current exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	while while while whi	LEK MUTLER
5.4.11.1	Finland and Sweden	No such external circuits.	N/A
and Annex G	To the end of the subclause the following is added:	LIER WHITE WHITE WHITE	alur, a
	For separation of the telecommunication network from earth the following is applicable:	EX WHITEX WHITE WHITE	an the
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	Whitek White White Wh	ek lek
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	The function water	ALEX.
	one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	ter white white wifet wifet	ni ek wini.
	If this insulation forms part of a semiconductor component (e.g. an optocoupler), there is no distance through insulation requirement for the insulation consisting of an insulating compound completely filling the casing, so that clearances and creepage distances do not exist, if the component passes the electric strength test in accordance with the compliance clause below and in addition	ANTER WHITE WHITER WHITE	TE WALTER
	<ul> <li>passes the tests and inspection criteria of 5.4.8 with an electric strength test of 1,5 kV multiplied by 1,6 (the electric strength test of 5.4.9 shall be performed using 1,5 kV),</li> </ul>	Whitek whitek whitek w	EK MUTEK
	and the white white white white		- LIEK
	is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5 kV.	et outet milet milet	anstek ant
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	Whitek milek mi	TE WALTER







EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
april	THE STATE OF STATE OF	ER SLIE WITE WALL	Mr. Mr.	
	A capacitor classified Y3 according to EN 60384- 14:2005, may bridge this insulation under the following conditions:	Whitek whitek	MULTER MULTER	
	the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3 testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;	NATER WHITER WHITE WHI	ick whitek whit	
	the additional testing shall be performed on all the test specimens as described in EN 60384- 14;	Test white white	whitek whitek	
LIEK WALT	the impulse test of 2,5 kV is to be performed before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14.	TIET WILLS MULES ON	LIEK WILLER WIN	
5.5.2.1	Norway	a at at a	N/A	
	After the 3rd paragraph the following is added:	EX WILL MULL MULL	an and	
	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	Whitek Whitek Whitek	WALTER WALTER	
5.5.6	Finland, Norwayand Sweden	No such resistors.	N/A	
	To the end of the subclause the following is added:	a lung n	tex itex vi	
	Resistors used as <b>basic safeguard</b> or bridging <b>basic insulation</b> in <b>class I pluggable equipment type A</b> shall comply with G.10.1 and the test of G.10.2.	te unite white white	t while while	
5.6.1	Denmark	No such equipment.	N/A	
	Add to the end of the subclause Due to many existing installations where the socket-outlets can be protected with fuseswith higher rating than the rating of the socket-outlets the protection for pluggable equipment type A shall be an integral part of the equipment.  Justification: In Denmark an existing 13 A socket outlet can be	White whitek whitek whi	one and and	
aller 1	protected by a 20 A fuse.	TIPE WITE WITE	mer mer	
5.6.4.2.1	Ireland and United Kingdom	20, 20, 2	N/A	
	After the indent for pluggable equipment type A, the following is added:  – the protective current rating is taken to be 13 A, this being the largest rating of fuse used in the mains plug.	UNLIER WHITER WHITE W	TEX WILER MY	



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Clause	Requirement – Test	Result – Remark	Verdict
5.6.4.2.1	France After the indent for pluggable equipment type A, the following is added:  — in certain cases, the protective current rating of the circuit supplied from the mains is taken as 20 A instead of 16 A.	Whitek whitek whitek whi	N/A
5.6.5.1	To the second paragraph the following is added: The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is: 1,25 mm²to 1,5 mm²in cross-sectional area.	TEK WHITEK WHITEK WHITEK	N/A
5.6.8	Norway  To the end of the subclause the following is added: Equipment connected with an earthed mains plug is classified as class I equipment. See the Norway marking requirement in 4.1.15. The symbol IEC 60417-6092, as specified in F.3.6.2, is accepted.	Whitek whitek whitek whitek	N/A
5.7.6	Denmark  To the end of the subclause the following is added:  The installation instruction shall be affixed to the equipment if the protective conductor current exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	Whitek whitek whitek whi	N/A
5.7.6.2	Denmark  To the end of the subclause the following is added: The warning (marking safeguard) for high touch current is required if the touch current or the protective current exceed the limits of 3,5 mA.	MUTER WITER WHITER	N/A
5.7.7.1  Et waitest was a state of the state	Norway and Sweden  To the end of the subclause the following is added:  The screen of the television distribution system is normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building.  Therefore the protective earthing of the building installation needs to be isolated from the screen of a cable distribution system.  It is however accepted to provide the insulation external to the equipment by an adapter or an interconnection cable with galvanic isolator, which may be provided by a retailer, for example.	Not such system.	N/A
whitek w	The user manual shall then have the following or similar information in Norwegian and Swedish language respectively, depending on in what country the equipment is intended to be used in:	EX WHITE WHITE WHILL	TEX MUTER



2/1	EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
ne.	All A LET J	the other with while	The Aug		
		70. 2	14 1th		
	"Apparatus connected to the protective earthing of	Let Jen Jen	all all		
	the building installation through the mains	THE MAN THE	20,		
	connection or through other apparatus with a	20	t et		
	connection to protective earthing –	THE THE LIES .	Life Million		
	and to a television distribution system using	With the Mr. M.			
	coaxial cable, may in some circumstances create		at lit .		
	a fire hazard. Connection to a television	THE THE LITTER ALL			
	distribution system therefore has to be provided	in the the	20, 7		
	through a device providing electrical isolation		- Jet 18		
	below a certain frequency range (galvanic	to the liter liter	The same		
	isolator, see EN 60728-11)"	The The This	2,		
	NOTE In Norway, due to regulation for CATV-installations, and	1 t			
	in Sweden, a galvanic isolator shall provide electrical	TER STEEL STEEL	WELL WILL		
	insulation below 5 MHz. The insulation shall withstand a	44. All 21. 1			
	dielectric strength of 1,5 kV r.m.s., 50 Hz or 60 Hz, for 1 min.	t t st	LET LET		
	Translation to Norwegian (the Swedish text will	THE SITE WITH SIN	11 11 m		
	also be accepted in Norway):	T. 144 14 14			
	also be accepted in Norway).	1 1 1 1 1	y KET S		
	"Apparatersom er koplettilbeskyttelsesjord via	Et SLIFE WITH WILL	21/2 21/2		
	nettpluggog/eller via annetjordtilkoplet	20, 20, 2,			
	utstyr – og er tilkoplet et koaksialbasertkabel-TV	I st st set	The Title		
	nett, kanforårsakebrannfare.	CLIFE WITH WILL	11/2 21/2		
	For å unngådetteskal det	-01. 70	4 4		
	vedtilkoplingavapparatertilkabel-TV nett	at a second	Liter Street		
	installeresengalvanisk isolator	and a	211		
	mellomapparatetogkabel-TV nettet."		.L 2+		
			Carry Street		
	Translation to Swedish:	y are are are	20, 10,		
	"Apparatersomärkopplad till skyddsjord via		t 2+ 2		
	jordatvägguttagoch/eller via	A TEN TEN LIVE	Willy Will		
	annanutrustningochsamtidigtärkopplad till kabel-	Wer were and	20, 2		
	TV nätkanivissa fall medfőra risk főr brand.	1 1	at let		
	Főrattundvikadettaskall vid	THE LITER NAMED	Will Will		
	anslutningavapparaten till kabel-TV nätgalvanisk	are me in .	20.		
	isolator finnasmellanapparatenochkabel-TV	t at	LET LET		
in our	nätet."	THE THE WAY	in the contract of		
8.5.4.2.3	United Kingdom	No external circuits.	N/A		
	Add the following after the 2 <sup>nd</sup> dash bullet in	at at at a	Et JEE N		
	3 <sup>rd</sup> paragraph:	ile write were were	211, 211,		
	et tet tet ite ite init war war	20, 10	J. 3		
	An emergency stop system complying with the	- It lit lit	TIE MITE		
	requirements of IEC 60204-1 and ISO 13850 is	intit with with	2/10 2/11		
	required where there is a risk of personal injury.	20, 0			



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U. au	EN IEC 62368-	1 it will wall wall	
Clause	Requirement – Test	Result – Remark	Verdict
B.3.1 and B.4	Ireland and United Kingdom The following is applicable:	Not directly connected to the mains	N/A
Whitek white	To protect against excessive currents and short-circuits in the primary circuit of <b>direct plug-in equipment</b> , tests according to Annexes B.3.1 and B.4 shall be conducted using an external miniature circuit breaker complying with EN	NATER WALTER WALTER	Whitek White

## 60898-1, Type B, rated 32A. If the equipment does not pass these tests, suitable protective devices shall be included as an integral part of the direct plug-in equipment, until the requirements of Annexes B.3.1 and B.4 are met G.4.2 **Denmark** Not directly connected to the N/A mains To the end of the subclause the following is added: Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011. CLASS I EQUIPMENT provided with socketoutlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a. If a single-phase equipment having a RATED CURRENT exceeding 13 A or if a polyphase equipment is provided with a supply cord with a plug, this plug shall be in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN 60309-2. Mains socket outlets intended for providing power to Class II apparatus with a rated current of 2.5 A shall be in accordance DS 60884-2-D1:2011 standard sheet DKA 1-4a. Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c. Mains socket-outlets with earth shall be in compliance with DS 60884-2-D1:2011 Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-5a or DK 1-7a Justification: Heavy Current Regulations, Section 6c

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Clause	Requirement – Test	Result – Remark	Verdict
The same		the will will all the	10
G.4.2	United Kingdom  To the end of the subclause the following is added:  The plug part of direct plug-in equipment shall be assessed to BS 1363: Part 1, 12.1, 12.2, 12.3, 12.9, 12.11, 12.12, 12.13, 12.16, and 12.17, except that the test of 12.17 is performed at not less than 125 °C. Where the metal earth pin is replaced by an Insulated Shutter Opening Device (ISOD), the requirements of clauses 22.2 and 23 also apply.	Not directly connected to the mains	N/A
G.7.1	United Kingdom  To the first paragraph the following is added:  Equipment which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to BS 1363 by means of that flexible cable or cord shall be fitted with a 'standard plug' in accordance with the Plugs and Sockets etc. (Safety) Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted by those regulations.  NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	ANTIFEK WILLEK W	N/A INLIER INLIE
G.7.1	Ireland To the first paragraph the following is added:  Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in accordance with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use Regulations: 1997. S.I. 525 provides for the recognition of a standard of another Member State which is equivalent to the relevant Irish Standard  Ireland and United Kingdom To the first paragraph the following is added:	TE WALTER	N/A
ZC	A power supply cord with a conductor of 1,25 mm <sup>2</sup> is allowed for equipment which is rated over 10 A and up to and including 13 A.  ANNEX ZC, NATIONAL DEVIATIONS (EN)	WATER WHITER WATER WA	N/A



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

10.5.2	Germany	No CRT within the equipment.	N/A
	The following requirement applies:	THE WITER WITER WHITE	
	For the operation of any cathode ray tube intended for the display of visual images operating at an acceleration voltage exceeding 40 kV, authorization is required, or application of type approval (Bauartzulassung) and marking.	Noted white whites	
	Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM.		
LIEK WINL	NOTE Contact address: Physikalisch-TechnischeBundesanstalt, Bundesallee 100, D-38116 Braunschweig, Tel.: Int+49-531-592-6320, Internet: http://www.ptb.de	LITER MALITER MALITER MALITER	NLTEK W
ZD	IEC and CENELEC CODE DESIGNATIONS FOR	FLEXIBLE CORDS (EN)	N/A





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EN IEC 62368-1						
	Clause	Requirement – Test	White Mrs. M. A.	Result – Remark	Verdict	

Type of flexible cord	Code de	esignations
	IEC	CENELEC
PVC insulated cords		
Flat twin tinsel cord	60227 IEC 41	H03VH-Y
Light polyvinyl chloride sheathed flexible cord	60227 IEC 52	H03VV-F H03VVH2-F
Ordinary polyvinyl chloride sheathed flexible cord	60227 IEC 53	H05VV-F H05VVH2-F
Rubber insulated cords		
Braided cord	60245 IEC 51	H03RT-F
Ordinary tough rubber sheathed flexible cord	60245 IEC 53	H05RR-F
Ordinary polychloroprene sheathed flexible cord	60245 IEC 57	H05RN-F
Heavy polychloroprene sheathed flexible cord	60245 IEC 66	H07RN-F
Cords having high flexibility	<u>, , , , , , , , , , , , , , , , , , , </u>	1/0
Rubber insulated and sheathed cord	60245 IEC 86	H03RR-H
Rubber insulated, crosslinked PVC sheathed cord	60245 IEC 87	H03 RV4-H
Crosslinked PVC insulated and sheathed cord	60245 IEC 88	H03V4V4-H
Cords insulated and sheathed with halogen- free thermoplastic compounds		
Light halogen-free thermoplastic insulated and sheathed flexible cords		H03Z1Z1-F H03Z1Z1H2-F
Ordinary halogen-free thermoplastic insulated and sheathed flexible cords		H05Z1Z1-F H05Z1Z1H2-F



EN IEC 62368-1						
	Clause	Requirement – Test	aver, and an	Result – Remark	et s	Verdict

TABLE: Classificat	tion of electrical e	nergy sour	ces			Р
Location (e.g.	Test conditions		Parar	meters		ES Class
designation)		U (V)	I (mA)	Type <sup>1)</sup>	Additional Info <sup>2)</sup>	
All internal circuits	Normal	<60Vdc	./E <sup>-</sup>	SS_	DC	ES1
	Abnormal	uni <sup>ze</sup> ui	771 - W.	77/1	1/2- 1/	(All internal circuits are
	Single fault – SC/OC	alifek nel	EK - IFE	Whitek	nlife <u>k</u> wni	considered to be ES1)
proved External AC	Adapter used , see	adapter IE	C 62368-1	test report	LEF JE	ALTER O
ary information:						
	Location (e.g. circuit designation)  All internal circuits	Location (e.g. circuit designation)  All internal circuits  Normal Abnormal Single fault – SC/OC  proved External AC Adapter used , see	Location (e.g. circuit designation)  All internal circuits  Normal <60Vdc  Abnormal  Single fault SC/OC  Proved External AC Adapter used , see adapter IE	Circuit designation	Location (e.g. circuit designation)	Location (e.g. circuit designation)

Type: Steady state (SS), Capacitance (CP), Single pulse (SP), Repetitive pulses (RP), etc.
 Additional Info: Frequency, Pulse duration, Pulse off time, Capacitance value, etc.
 Test Conditions:
 Full load and no load.

SC=

3)

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

...

5.4.1.8	TABLE: Working	g voltage meası	urement	mr. m	N/A		
Location		RMS voltage Peak voltage Frequency (V) (V) (Hz)		Frequency (Hz)	Comments		
The River		7-1			THE LIFE STIFF WITE		
Supplemen	ntary information:						
RUTER	intil with w	r 445 2		at alt	TEX LIFE SLIFE WITE		

5.4.1.10.2	TABLE: Vicat softening temperature of thermoplastics									
Method: ISO 306 / B50										
Object/ Par	t No./Material	Manufacturer/trademark		Thickness (mm)	T softeni	ng (°C)				
- "	at at	TEX ITEX - INTE MILIT	u	in man me	111 1					
Supplementary information:										
, L	at at a	EX LIEX WILL WHILL	Mer.	mr. m.	20. 20.					

5.4.1.10.3 TABLE: Ball pressure test of thermoplastics										
Allowed imp	Allowed impression diameter (mm): ≤ 2 mm									
Object/Part No./Material Manufacturer/trademark Thickness			Thickness				ression eter (mm)			
- 4	- L /	- Lit liter	CLIFER	Willer of	J 3	Ur. Mar	-an	24	- 2,	
Supplementary information:										
10, 1		at all	alter 1	The Will	11/1/2	MUS	2/L	-21,	100	

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

5.4.2, 5.4.3 TABLE: Minimum Clearances/Creepage distance								
Clearance (cl) and creepage distance (cr) at/of/between:	U <sub>p</sub> (V)	U <sub>rms</sub> (V)	Freq <sup>1)</sup> (kHz)	Required cl (mm)	cl (mm)	E.S. <sup>2)</sup> (V)	Required cr (mm)	cr (mm)
ATE WALL WALL WALL	en	,			et - 50	- J. C.	WITE N	- N.
Supplementary information:								
1) Only for frequency above 30 Complete Electric Strength volt		S. (V) wh	en 5.4.2	.4 applied)	WALTER	NALTER V	Write MUS	w 2

5.4.4.2 TABLE: Minimum distance through insulation												
Distance through insulation (DTI) at/of	Peak voltage (V)	Peak voltage (V) Insulation*		Measured DTI (mm)								
THE THE STATE STATE	WITE WAIT WAL	m in m	L 74 1	et det de								
Supplementary information:	Supplementary information:											
*See also sub-clause 5.4.4.9	itie while and a	, Ju 4 14	et et	TEK LIEK								

							VIII.	
5.4.4.9	TABLE: Solid insulation at frequencies >30 kHz							N/A
Insulation m	naterial	E <sub>P</sub>	Frequency (kHz)	<b>K</b> <sub>R</sub>	Thickness d (mm)	Insulation	<b>V</b> <sub>PW</sub>	(Vpk)
IT-LE WALL	10, 10,	- 1 3		78	<u>+</u>	TIER WILL	- unit	w.
Supplementary information:								
in and	21/2 21	4-1	15	All SE		IT WALLE	WILL	MUT.

5.4.9	TABLE: Electric strength t	ests	Et JEK JEK	N/A
Test voltage applied between:		Voltage shape (Surge, Impulse, AC, DC, etc.)	Test voltage (V)	Breakdown Yes / No
Functiona	list with with with w	VEL MU M. M.	- 1 1 1 1	et the s
5 m	All All All	of The sites which	ITELL WALL WALL	245 - 245
Basic/sup	plementary:	Mr. M. M.	at at all	TEK TIEK
- m	The state of the s	- LIFE OLIFE MLIFE ON	Tr with with	2/1/2 -2/1
Reinforce	d: tier white white	10 10 10	t et et	LIEF SUFER
-211		SITER - SITER WALLE WALL	- me me a	1. 11.
Routine T	ests:	M. M. Th.	TEX TEX	TEX NUTER IN
	a at at at a	LIER WALLE WALL	the an an	-
Suppleme	entary information:			
	. It let the acti	ET INITE WALL MALL W	er m. m.	T

5.5.2.2	TABLE: Stored discharge on capacitors						N/A
Location		Supply voltage (V)	Operating and fault condition 1)	Switch position	Measured voltage	E	S Class

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

				(Vpk)	
There were me	n n.	Normal	t 12t 15	I The WALLER WAY	in Maria M
SLIEF WILE WILE	WALTER WALTER	Single fault: SC/ OC	41 - 40	t stell still	- MITEK MINIT

### Supplementary information:

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

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

5.6.6	TABLE: Resistance of	f protective condu	ctors and terminat	tions	N/A
Location		Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)
SEE INLY	E WILL MUT MUT	24	A - A .	the state of	in with and
Suppleme	entary information:				
and the	White whe when	24. 2.	at at all	t TEX LITER	White white

5.7.4	TAB	LE: Unearthed acce	ned accessible parts		N/A		
Location		Operating and	Supply			ES class	
		fault conditions   Voltage (V)	Voltage (V <sub>rms</sub> or V <sub>pk</sub> )	Current (A <sub>rms</sub> or A <sub>pk</sub> )	Freq. (Hz)		
-t 10	<i>(- \ \ - \ \</i>	Normal	120 - 100	-	3 - 1	J.E	18 - 18
in min my		Abnormal: overload	TEX WATER	UNITER VITER	Wile Milita	nir un	- 410°
MALTER		Single fault: SC/OC	et sitet o	ITEK TEK MI	TEK VINGER VIN	ie Mulie	Mrs
Suppleme	ntary in	formation:					
SC= short	circuit;	OC= open circuit	TEX JI	WILL WILL	wer me	40.	20, 0,

5.7.5 TABLE: Earthed accessible conductive part N/A Supply voltage (V)..... Phase(s) ..... [] Single Phase; [] Three Phase: [] Delta [] Wye Power Distribution System .....: [] TN [ ]TT []IT Location Fault Condition No in IEC Touch current Comment 60990 clause 6.2.2 (mA) Supplementary Information:

 5.8
 TABLE: Backfeed safeguard in battery backed up supplies
 N/A

 Location
 Supply voltage (V)
 Operating and fault condition
 Time (s) voltage (V)
 Open-circuit voltage (V)
 Touch current (A)

 - - - - - -



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

Supplementary information:

6.2.2 T.	ABLE: Power source	e circuit cla	ssifications	Let S	it with	MILL DILL BURL
Location	Operating and fault condition	Voltage (V)	Current (A)	Max. Power <sup>1)</sup> (W)	Time (S)	PS class
All circuits (Battery)	Normal	3	0.09	0.19	3	PS1
	Abnormal operation	7 EK - 7 EK	· JOLIEN SUNLIER	WAITER V	Nite - Mi	PS1
	Single fault – SC/OC:See table B.3, B.4	0	white on the	10 m	3.10	PS1

Supplementary information:

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

	Open circuit voltage		,	
	after 3 s (Vpk)	Measured r.m.s current (A)	Calculated value	Arcing PIS? Yes / No
TEK WHITEK WH	TEK WILTER WILTER	MILIER WILLER WILL	ite on the one	All internal circuits are not considered as arcing PIS. They are supplied by external power supply whose open voltage is less than 50V.
y information:				
	y information:	y information:	y information:	y information:

6.2.3.2	TABLE: Determ	ination of resistive PIS	WILL MULL AND .	N/A
Location		Operating and fault condition	Dissipate power (W)	Resistive PIS? Yes / No
All circuits	PLIER WALTER WAL	White our with our	MILEY WALTER	All internal circuits are PS1 circuits, No resistive PIS

### Supplementary information:

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

lf

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

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.



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

8.5.5	TABLE: High pro	essure lamp	try are an	7, 7	N/A
Lamp manu	ıfacturer	Lamp type	Explosion method	Longest axis of glass particle (mm)	Particle found beyond 1 m Yes / No
- 3	* *	- Tek Tek Tek	-Write Auril Au	r. mr. m.	
Supplemen	tary information:				
-2.		at let let	metr and whi	Alle All	337

9.6	TABL	E: Tempe	rature mea	sureme	nts for wirel	ess power	transmitte	ers	N/A
Supply volta	age (V)			: -	70, 7	_			
Max. transn	nit powe	er of transr	nitter (W)	: -	NITE WALTE	WILL.	Mr. M	211	_
				eceiver and ct contact		with receiver and at distance of 2 mm		ceiver and at ce of 5 mm	
Foreign ob	ojects	Object (°C)	Ambient (°C)	Object (°C)	t Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)
Steel di	sc	U.F. C.L.	E. WILL	- Million	1/4. 24	- 2	- ` ,t		of Jet
Aluminium	ring	3	`*	4	J. 1975	E MITE	10 11 W	in, in,	- 21/2
Aluminiur	n foil	- \ \d	/-/ ``\ .	(4)	g' ''		- //	<del>,,</del> , , ,	(1)

During the tests, the temperature of the foreign object shall not exceed 70°C.

5.4.1.4, 9.3, B.1.5, B.2.6	: Temperature m	easurem	ents				ALTE WALTER
Supply voltage (V)		:	3Vdc		+		-
Ambient temperature	e during test $T_{ m amb}$ (	See below	12 11	100 1	12. Tal.	_	
Maximum measured	temperature <i>T</i> of		Allowed T <sub>max</sub> (°C)				
PCB near Q1	WITE WILLE	VILL OF	28.5	,	·	* #	105
PCB near U2		J+ 5	28.7	BLIEF-	urii ur <u>ii</u>	742-1	105
PCB near battery	LIE WALTE WAS	21/2	30.4		A 5	-C*	105
Battery body	1 A B	- JE	28.0	J. J.	The Maria	21/2 -21/2	60
Enclosure Outside to	p near battery	20.	28.9		+ /4-	16 - S	48
Enclosure Outside b	ottom near batter	y Jan	28.5	11/17	74 -71	L 11	48
Kay switch	WALL WALL	20, 1	29.1		d+	Et JEST	48
Ambient	at at	CLIER IN	25.0	Albert	m, m	- 271	T
Temperature T of winding:	t <sub>1</sub> (°C)	R <sub>1</sub> (Ω)	t <sub>2</sub> (°C)	R <sub>2</sub> (Ω)	T (°C)	Allowed T <sub>max</sub> (°C)	Insulation class
- The The ST	it with -unit	77,	- 10 m		* - *	, <del> </del>	CENT TOPE .
Supplementary inform	nation:						



Ġ	C. M. C.	The the the the	EN IEC 62368-1	IE WITE WALTER	rie M	- Ch
	Clause	Requirement – Test	aver, and an	Result – Remark	et s	Verdict

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

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

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

LIET NE P	TEK ITEK SLITEK 10	Jek-		24	n.	out test	ABLE: Inp	TA	B.2.5
lition/status	Condition/stat	I fuse (A)	Fuse No	P rated (W)	P (W)	I rated (A)	I (A)	Hz	U (V)
ion	Normal operation	37.67	E - 2	(E) (C)	0.06	74	0.02	40.	3VDC
on	Normal operation	- in	, - mu	(i) - (i)	0.06	25	0.02 y informat		

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

in the	211 20		, ,4	- 18th	- 4		The call of the	in an
B.3, B.4 T	ABLE: Abnorr	nal operati	ng and fau	It conditi	ion te	sts	70	A P A
Ambient temp	erature T <sub>amb</sub> (°	C)				See b	elow	_
Power source	for EUT: Manu	ufacturer, m	nodel/type, d	outputratio	ng:	-in,	× 2 2	_
Component No.	Condition	Supply voltage (V)	Test time	Fuse no.		use ent (A)	Observation	n
D1	s-c	3	10mins	<u></u> (cf.)		- 4	Unit shutdown immedi	ately. No

		(V)				
D1	S-C	3	10mins	e - U	OLTE OF	Unit shutdown immediately. No damage, No hazard. Input current: 0A.
C5	s-c	3	10mins	NUTER OF	ur _ unit	Unit shutdown immediately. No damage, No hazard. Input current: 0A.
R1 TEL	JIN'S-C JIN'S	3	10mins	TEK WILL	EK WALTER	Unit shutdown immediately. No damage, No hazard. Input current: 0A.

#### Supplementary information:

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

<sup>&</sup>lt;sup>1)</sup> Supply by external DC source, 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.



Reference NoWTFZ4DTTZ1Z010ATT	e No.:WTF24D11272670X1Y
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100	Tile While	Mr. Mer alle	EN IEC 62368-1	LIEK INLIEK WALIER WA	ie Mrie Mir
	Clause	Requirement – Test	Write Mrs. M. M. M.	Result – Remark	Verdict

21/2 2/3	. 37		ے۔	16 S		~~~	(C)	1/2 1/2	L. 20, .
M.3	TABLE: Pr	otection circu	its for batter	ies provid	ed w	vithin	the equ	ipment	y P+
Is it possible	to install the	battery in a re	verse polarity	position?.	n,	SEE.		se polarity	_
				C	Charg	jing			
Equipment S	Specification	Voltage (V)						Current (A)	
		211, 211,	3VDC	LEF .	TEX	کار .		er marie	White White
				Battery	/ spe	cifica	tion		
		Non-recharge	able batteries			Red	chargeab	le batteries	
		Discharging	Unintentiona	1 (	Char	ging		Discharging	
Manufact	urer/type	current (A)	charging current (A)	Voltage	Voltage (V)		ent (A)	current (A)	charging current (A)
CR2	032	0.22	0				at .	TEX - TEX	NITE MILE
Note: The tes	sts of M.3.2 a	re applicable o	only when abo	ve appropr	iate d	data i	s not ava	ailable.	
Specified bat	ttery tempera	ature (°C)	70		:	16	£ 56	H- LIEN	S.C
Component No.	Fault condition	Charge/ discharge mo	Test time	Temp.		rrent A)	Voltage (V)	Obs	servation
211 - 211	7-1	1 - ct	/ etci	E MILLER	.41	Ω°,	anti-	2/5 2/2	24, 24
J. 17 18 17 19	100 1 M	ý <sub>4</sub> -	11/2			솼	25 <del>-</del> 7	CONTRACTOR	t stiff int
Cupplements	n, informatio								

## 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	onta	aining a s	econda	ry lithiun	ı N	I/A
Maximum	n specified	charging voltag	je (V)		:	70t 0		TER MITT	-	
Maximum	n specified	charging currer	nt (A)		: <sup>()</sup>	- 1/1	10,		_	_
Highest s	specified ch	narging tempera	ature (°C)		<u>:</u>	Et STER	NUTE	MALTER		
Lowest s	pecified ch	arging tempera	ture (°C)		11.	- 20,	1,1			
Battery Operating and fault condition					Observ	ation				
			Charging voltage (V)	Charging current (A)		Temp. (°C)				
Lowest sp	pecified cha	arging temperat	ure:	MILL ME	-4	14. 24	10.			+
merre w	The Man	Normal	H WITEH W	NITEK VINLIEK	m	LIE <u>K</u> WALTE	WALT WALT	White	wit	-ur
		Abnormal-	7.	st -1t	.<<	* - JEX	- CTER	Willey.	MITTE	Will
		Single fault – (SC/OC)	WULLE WILL	WE N	r St	-11 k	TEX.	THE .	LTEX .	NITEK
Highest s	pecified ch	arging tempera	ture:	White Mil		When y	1 2	1. 1.		
- site	MILLE WA	Normal		J. 5		, <del>1</del>	, ± ,	JER	100	٧,

Single fault – (SC/OC)

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71/2	211	4. 1	1	EN IEC 62368-	1 TELL MITE WALL WE	in the three
Clause	Requi	rement – Test	White My	y 24. 24	Result – Remark	Verdict
- w	74	Ch. All	11 <sup>67</sup> 21 <sup>6</sup>	MATTER TO	the marity waster waster	Mr. Mr.
		Abnormal-		d	- The Cartie	White White W

# Supplementary information:

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

Q.1	TABLE: Circuits intended for interconnection with building wiring (LPS)  N/A							
Output Circuit	Condition	U <sub>oc</sub> (V)	Time (s)	I <sub>sc</sub> (A)		S (VA)		
Circuit	Condition	O <sub>00</sub> (V)	111116 (5)	Meas.	Limit	Meas.	Limit	
Tr. Mile	211 151 151	7	et - Jet		Life - Mile	AUTO A	Wr Mur	

## Supplementary Information:

SC = short circuit, OC = open circuit\*: Output shutdown immediately, recoverable, no hazard

T.2, T.3, T.4, T.5	TABLE: S	TABLE: Steady force test					N/A		
Location / Part	Material	Thickness (mm)	Probe	Force (N)	Test Duration (s)		Observ	ation	
777	11 25.		J	(C) (C)	iek Tier	NITE O	AUT. AUT.	ale	2/12
Supplementa	ary informati	on:							
11 14				F 16	F 40"	. T	2	"IL.	40

T.6, T.9	ABLE: Impact t	est			N/A
Location/Part	Material	Thickness (mm)	Height (mm)	Observation	
n. m.	70. 70.	*+	TEK STEEK MITE	- WILL MULL MULL	in in
Supplementary	y information:				
m m	24		Et JET JE	WILL THE WAY AND	20

T.7 TA	ABLE: Drop	test	CEK SEK	ALTER OLITER A	NITE MA	in Mer	N/A	ې ،
Location/Part	ocation/Part Material Thickness (mm) Height Observation (mm)							
* - #	16t 56	LITE WALTE	ALE AL	ir me m	40.	.,(6		
Supplementary	/ information:							
4 OF	Et JEX	LIFE MALA	mr. mr.	the in	200		24	. E. F



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

T.8 T.	ABLE: Stress	s relief test			N/A
Location/Part	Material	Thickness (mm)	Oven Temperatur e (°C)	Duration (h)	Observation
i. 74	'	At At	الله المالي. الله المالي.	CE WILLY	The Mr. M. M. M.
Supplementary	/ information:				

X	TABLE: Alternative method for determining minimum clearances distances					
	ce distanced etween:	Peak of working voltage (V)	Required cl (mm)	Measur (mn		
-dt 18th	THE STEE	WILL MULT MUN AND AND	7, -	Jt Joh	All S	
Supplementa	ary information:					
et Let	TER STEEL	off the Mr. M.	J	A A .	CENT TEN	

4.1.2	TABLE: Critical components information							
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity <sup>1</sup>			
Bamboo materialencl osure	Interchangeable	Interchangeable	Min. thickness 2.0mm; pass the Glow-Wire test at 550°C.	EN IEC 62368-1 according to IEC 60695-2- 11	Tested with Appliance			
Plastics materials ofKay switch cover	DONGJUE SILICONE (NANJING) CO LTD	NE-Z150	Min. thickness 1.8mm;V-0, 150°C	UL 94	UL E236040			
Coin battery	CHANGZHOU JINTAN CHAOCHUANG BATTERY CO., LTD	CR2032	3.0V, 220mAh	IEC 60086-4	Test report No. TCT240322B0 33-1			
PCB	SHENZHEN HUA YAN HUI HAI ELECTRONIC CO LTD	HM, HD	V-0, 130°C	UL 796	UL E237212			
Alternative	Interchangeable	Interchangeable	Min.V-1, Min.105°C	UL 796	UL ME M			

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



## **Photo Documentation**

Reference No.: WTF24D11272670X1Y





Photo 1: External view



Photo 2: External view



## **Photo Documentation**

Reference No.: WTF24D11272670X1Y





Photo 3: Internal view

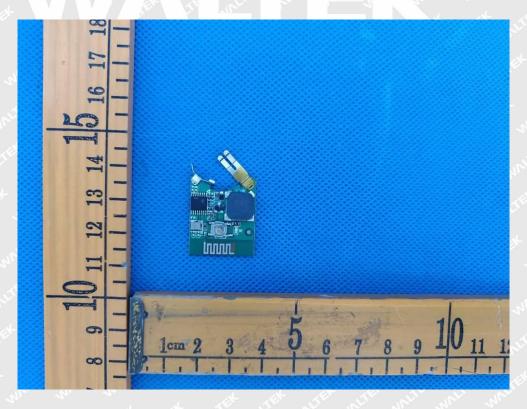


Photo 4: PCB view



## **Photo Documentation**

Reference No.: WTF24D11272670X1Y



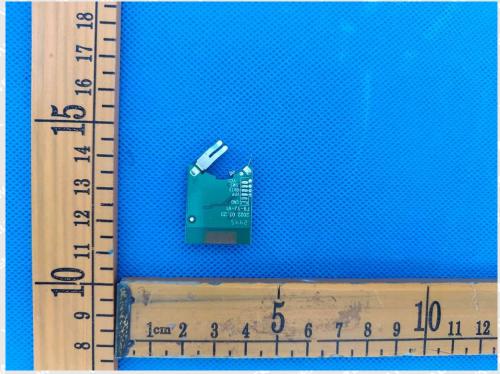


Photo 5: PCB view



Photo 6: Battery

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