



TEST REPORT

Reference No. : WTF22D07136222R1Y

Applicant: Mid Ocean Brands B.V.

Address : 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon,

Hong Kong

Manufacturer: 117237

Address: : --

Product : Wireless charger or Desk organizer wireless charger

Model(s).....: MO6277, MO6345

Total pages.....: 67 pages and 7 pages of photo.

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

Audio/video, information and communication technology equipment-

Part 1:Safety requirements

Date of Receipt sample.... : 2022-07-06 and 2022-09-09

Date of Test: 2022-07-06 to 2022-08-22 and 2022-09-09 to 2022-09-14

Date of Issue : 2022-09-15

Test Result: Pass

Remarks:

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

Prepared By:

Waltek Testing Group Co., Ltd.

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Compiled by:

Approved by:

Mickey Li / Project Engineer

Sam Qi / Designated Reviewer



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Test item description	: Wireless charger or Desk organizer wireless charger		
Trademark:	MOB		
Model and/or type reference:	: MO6277, MO6345		
Rating(s):	Input: 5Vdc, 2.0A, 9Vdc, 1.5A Output: 5Vdc, 1.0A, 9Vdc, 1.1A Wireless output power: 10W Max.		
Remark: Whether parts of tests for the product h Yes Solve No If Yes, list the related test items and lal Test items: Lab information:		contracted to other labs:	
Summary of testing:		t the the other path mate mate and	
Tests performed (name of test and to -EN IEC 62368-1:2020+A11:2020 The submitted samples were found to the requirements of above specification	comply with	Testing location: No. 77, Houjie Section, Guantai Road, Houjie Town, Dongguan City, Guangdong, China	
EU Group Differences ☑ The product fulfils the requirements 1:2020+A11:2020	of EN IEC 62	368-1:2020+A11:2020 and BS EN IEC 62368-	
applicable limit according to the spectivithout applying the measurement un "accuracy method").	ne IEC standa cification in th ncertainty ("sir	rd, when comparing the measurement result with the at standard. The decisions on conformity are made mple acceptance" decision rule, previously known as	
Other:(to be specified, for examp requirements apply)	le when requir	ed by the standard or client, or if national accreditation	
Information on uncertainty of measu	rement:		
		the laboratory based on application of criteria given by nethods, decision sheets and operational procedures of	
the decision rule when reporting tes	st results with	n of measurement uncertainty principles and applying in IECEE scheme, noting that the reporting of the t 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.

Frequency range: CE UK 110-205 kHz

Wireless Output power:10W Max

Input: DC 5V=2A/ DC9V=1.5A Output: DC 5V=1A/ DC9V=1.1A

MOB/MO6277 **PO BOX 644** 6710 BP (NL) Made in China PO4100109815

Remark:

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





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TEST ITEM PARTICULARS:			
Product group			
Classification of use by:	☑ Ordinary person☐ Instructed person☐ Skilled person		
Supply Connection:	☐ AC mains ☐ DC mains ☐ not mains connected: ☐ ES2 ☐ ES3		
Supply % Tolerance	☐ +10%/-10% ☐ +20%/-15% ☐ +%/% ☑ None		
Supply Connection – Type:	□ pluggable equipment type A - □ non-detachable supply cord □ appliance coupler □ direct plug-in □ pluggable equipment type B - □ non-detachable supply cord □ appliance coupler □ permanent connection □ mating connector ☑ other: not Mains connected		
Considered current rating of protective device as part of building or equipment installation	☐ UK: 13 A; Others: 16 A; Location: ☐ building ☐ equipment ☑ N/A		
Equipment mobility	 ☐ movable ☐ hand-held ☐ transportable ☐ direct plug-in ☐ stationary ☐ for building-in ☐ wall/ceiling-mounted ☐ SRME/rack-mounted ☐ other: ☐ other: ☐		
Over voltage category (OVC):	□ OVC I □ OVC II □ OVC III □ OVC IV □ other: not Mains connected		
Class of equipment	☐ Class I ☐ Class II ☐ Class III ☐ Not classified ☐ ☐		
Access location	N/A ☐ restricted access area☐ outdoor location ☐		
Pollution degree (PD)	□PD 1 ☑ PD 2 □ PD 3		
Manufacturer's specified maxium operating ambient:	45°C Outdoor: minimum°C		
IP protection class	☑ IPX0 □ IP		
Power Systems	☐ TN ☐ TT ☐ ITV L-L ☐ not AC mains		
Altitude during operation (m)			
Altitude of test laboratory (m)	⊠ 2000 m or less □ m		
Mass of equipment (kg)	MO6277: 0.08kg; MO6345: 0.35kg		



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POSSIBLE TEST CASE VERDICTS:	while much may am any any
- test case does not apply to the test object	: N/A
- test object does meet the requirement	: P (Pass)
- test object does not meet the requirement	: F (Fail)
TESTING:	The the the table
Date of receipt of test item	: 2022-07-06 and 2022-09-09
Date (s) of performance of tests	: 2022-07-06 to 2022-08-22 and 2022-09-09 to 2022- 09-14
GENERAL REMARKS:	white white white whe will all the
"(see Enclosure #)" refers to additional information "(see appended table)" refers to a table appended to Throughout this report a ☐ comma / ☒ point is	to the report.
GENERAL PRODUCT INFORMATION:	TEL MILL WALL WALL WALL WALL WALL THE

Product Description

- 1. The EUT covered by this report is a wireless charger used as information apparatus. It is supplied by external power supply or Micro USB port.
- 2. The manufacturer specified maximum ambient temperature is 45°C. The specified altitude is up to and including 2000 m above sea level.
- 3. The all circuits complied with ES1 and PS1 no other circuit existed.

History of report:

Report No.	Description	Comment
Ref. No. WTF22D07136222Y, dated 2022-08-25	Original test report	-2 Lay 184 184 18
Ref. No. WTF22D07136222R1Y, dated 2022-09-15 (updated report)	Added a alternative PCB board, see details Photo Documentation	The unit evaluated Input test and PS Classification tests, see details table Annex B.2.5 and 6.2.2

Model Differences

- 1. All these models are same as each other only except for the model name, enclosure size, appearance in color and silkscreen for marketing purpose.
- 2. The model MO6277 was selected for all testing.

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



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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 st S	2 nd S
PS1: <15 Watt circuits	Enclosure	N/A	N/A	N/A
PS1: <15 Watt circuits	PCB	N/A	N/A	N/A
PS1: <15 Watt circuits	The other components/materials	N/A	N/A	N/A
7	Injury caused by hazardous s	substances		
Class and Energy Source	Body Part		Safeguards	
(e.g. Ozone)	(e.g., Skilled)	В	S	R
N/A	N/A	N/A	N/A	N/A
8	Mechanically-caused injury			
Class and Energy Source	Body Part		Safeguards	
(e.g. MS3: Plastic fan blades)	(e.g. Ordinary)	В	S	R
MS1: 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



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

4	GENERAL REQUIREMENTS		P.+
4.1.1	Acceptance of materials, components and subassemblies	(See appended table 4.1.2)	Р
4.1.2 JAN	Use of components	Components which are certified to IEC and/or national standards are used correctly within their ratings. Components not covered by IEC standards are tested under the conditions present in the equipment. See also Annex G	nei P _{ou} n Fex onei Mertex Mertex
4.1.3	Equipment design and construction	Equipment is adequately designed and constructed.	AL 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	TP N
4.4.3.1	General	2 24 24	Р
4.4.3.2	Steady force tests	(See Annex T.2 and T.5).	I Port
4.4.3.3	Drop tests	(See Annex T.7)	Р
4.4.3.4	Impact tests	(See Annex T.6)	Р
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
CL. MILL	Glass impact test (1J)	LIFER MITER MALIE WALLE	N/A
* 6	Push/pull test (10 N)		N/A
4.4.3.8	Thermoplastic material tests	(See Annex T.8)	N/A
4.4.3.9	Air comprising a safeguard	a at at a	N/A
4.4.3.10	Accessibility, glass, safeguard effectiveness	After tests of 4.4.3.2, 4.4.3.3, 4.4.3.4 no safeguard damaged.	WP WILLER
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	at at let let is	Et Pate
4.5.1	General	No explosion occurs during normal/abnormal operation and single fault conditions	P



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-20.	EN IEC 62368-	The man and	20. 2.
Clause	Requirement – Test	Result – Remark	Verdict
4.5.2	No explosion during normal/abnormal operating	(See Clause B.2, B.3)	Р
4.5.2	condition	(See Clause B.2, B.3)	Et NITES
TEX N	No harm by explosion during single fault conditions	(See Clause B.4)	Р
4.6	Fixing of conductors	See below	P
EK NIE	Fix conductors not to defeat a safeguard	at let let liet	CE P
40.	Compliance is checked by test	(See Clause T.2)	Р
4.7	Equipment for direct insertion into mains socke	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)	THE THE LITTER WITE	N/A
4.8	Equipment containing coin/button cell batteries	the the the th	N/A
4.8.1	General	No coin/button cell batteries used.	N/A
4.8.2	Instructional safeguard	et let let liet i	N/A
4.8.3	Battery compartment door/cover construction	The Mr. M. A.	N/A
WITE.	Open torque test	TEN TEN STEEL STEEL STEEL	N/A
4.8.4.2	Stress relief test	The Au Au	N/A
4.8.4.3	Battery replacement test	At Something	N/A
4.8.4.4	Drop test		N/A
4.8.4.5	Impact test	THE LIFE OUT WITE	N/A
4.8.4.6	Crush test	in in	N/A
4.8.5	Compliance	A CLIEB WILL WHILE AND	N/A
_et	30N force test with test probe	70 70	N/A
Wr. M	20N force test with test hook	CHER WILL MULT WILL	N/A
4.9	Likelihood of fire or shock due to entry of cond	uctive object	N/A
4.10	Component requirements	miter unit whit whi	N/A
4.10.1	Disconnect Device	a state of	N/A
4.10.2	Switches and relays	The war with a	N/A
A.C.	THE LIFE SLIP JANE WE WANTED	· · · · · · · · · · · · · · · · · · ·	CENT OF
5	ELECTRICALLY-CAUSED INJURY	-07	₹ ¹ P
5.2	Classification and limits of electrical energy sou	rces	Р
5.2.2	ES1, ES2 and ES3 limits	int, mur, aut au	Р
5.2.2.2	Steady-state voltage and current limits	(See appended table 5.2)	Р
5.2.2.3	Capacitance limits	No such capacitors	N/A
5.2.2.4	Single pulse limits	No such single pulses	N/A
5.2.2.5	Limits for repetitive pulses	No such repetitive pulses	N/A
5.2.2.6	Ringing signals	No such ringing signals	N/A



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20,	EN IEC 62368-	The way was also	24 24
Clause	Requirement – Test	Result – Remark	Verdict
5.2.2.7	Audio signals	the week over the	N/A
5.3	Protection against electrical energy sources	TEX ITE STILL OUT	Р
5.3.1	General Requirements for accessible parts to	145 145 14 24 24	P
	ordinary, instructed and skilled persons	TER LIER NITER MITER	White M
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	he me a	N/A
5.3.1 b)	Skilled persons not unintentional contact ES3 bare conductors	IEX MULTER MULTER MULTER A	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Only ES1 circuit and the enclosure (safeguard) are accessed to person.	P
ines and	Accessibility to outdoor equipment bare parts	NITER MITE MILIE WALLE	N/A
5.3.2.2	Contact requirements	an an at the	N/A
r. Mrs	Test with test probe from Annex V	LIET MILL WALL WALL	<u> </u>
5.3.2.2 a)	Air gap – electric strength test potential (V)	e et et et	N/A
5.3.2.2 b)	Air gap – distance (mm)	e write write with w	N/A
5.3.2.3	Compliance	at at all a	N/A
5.3.2.4	Terminals for connecting stripped wire	No stripped wire used.	N/A
5.4	Insulation materials and requirements	at the life	P
5.4.1.2	Properties of insulating material	No insulation as a safeguard.	N/A
5.4.1.3	Material is non-hygroscopic	The Title Lifet	N/A
5.4.1.4	Maximum operating temperature for insulating materials	(See appended table 5.4.1.4, 9.3, B.1.5, B.2.6, B.3, B.4)	P
5.4.1.5	Pollution degrees	" WELL ME ME M	N/A
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	ALTER MATER MATER WALT	N/A
5.4.1.5.3	Thermal cycling test		N/A
5.4.1.6	Insulation in transformers with varying dimensions	LITER INLIE WALL WALL	N/A
5.4.1.7	Insulation in circuits generating starting pulses	a state set	N/A
5.4.1.8	Determination of working voltage	the war with the M	N/A
5.4.1.9	Insulating surfaces	at the the	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	MULT MAN AND AND AND	N/A
5.4.1.10.2	Vicat test	WILL MULL MULL MULL	N/A
5.4.1.10.3	Ball pressure test	a at at at	N/A
5.4.2	Clearances	THE WALL MALL WALL	N/A
5.4.2.1	General requirements	a state of	N/A
All A	Clearances in circuits connected to AC Mains, Alternative method	White the the the	N/A
5.4.2.2	Procedure 1 for determining clearance	LIFE OUT WITH WALL	N/A



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01	EN IEC 62368-	7 20 20 20	\/!:-4
Clause	Requirement – Test	Result – Remark	Verdict
24	Temporary overvoltage	111 111 111	
5.4.2.3	Procedure 2 for determining clearance	THE STEE WITH	N/A
5.4.2.3.2.2	a.c. mains transient voltage	With the state	<i>A</i> –
5.4.2.3.2.3	d.c. mains transient voltage	ALTER WALTER WALTER OF	
5.4.2.3.2.4	External circuit transient voltage	1 1 1	et –
5.4.2.3.2.5	Transient voltage determined by measurement	THE WALL WALL WAS	
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	t niter aniter white	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	LIEK SLIEK MLIEK	N/A
5.4.2.6	Clearance measurement	711. 22.	N/A
5.4.3	Creepage distances	LIEK WILL WILL W	N/A
5.4.3.1	General	1 × 2+ _	N/A
5.4.3.3	Material group	er wife will mi	- nr -
5.4.3.4	Creepage distances measurement	at at all	N/A
5.4.4	Solid insulation	White white whi	N/A
5.4.4.1	General requirements	At All	N/A
5.4.4.2	Minimum distance through insulation	- 2 July	N/A
5.4.4.3	Insulating compound forming solid insulation		N/A
5.4.4.4	Solid insulation in semiconductor devices	is much must all	N/A
5.4.4.5	Insulating compound forming cemented joints	the state state with	N/A
5.4.4.6	Thin sheet material	me me m	N/A
5.4.4.6.1	General requirements	THE LITER SLITER	N/A
5.4.4.6.2	Separable thin sheet material	an an an	N/A
TILE MUTIL	Number of layers (pcs)	THE STEEL WITHOUT	N/A
5.4.4.6.3	Non-separable thin sheet material	5 W 20 2	N/A
MULL	Number of layers (pcs)	ill still niter wat	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	TEX LITER MITTER	N/A
5.4.4.6.5	Mandrel test	Mr. Mr. Mr.	N/A
5.4.4.7	Solid insulation in wound components	TEK TIEK WITER	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz, E_P , K_R , d , V_{PW} (V)		N/A
t JEK	Alternative by electric strength test, tested voltage (V), K_R	t it lit to	N/A
5.4.5	Antenna terminal insulation	WALL MALL MALL	N/A
5.4.5.1	General	4 4 4	N/A



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20,	EN IEC 62368-	to are are an	. 2n n.
Clause	Requirement – Test	Result – Remark	Verdict
Mrs 1	M. M. S. Litt of	EL SILIE MALL SIAL	were and
5.4.5.2	Voltage surge test		N/A
5.4.5.3	Insulation resistance (MΩ)	Chile White White	N/A
the S	Electric strength test		N/A
5.4.6	Insulation of internal wire as part of supplementary safeguard	Mile while while w	N/A
5.4.7	Tests for semiconductor components and for cemented joints	TER MUTER MUTER MU	N/A
5.4.8	Humidity conditioning	t TEX LIER NITE	N/A
SEK N	Relative humidity (%), temperature (°C), duration (h)	My My My	
5.4.9	Electric strength test	Will AUT. AUT.	N/A
5.4.9.1	Test procedure for type test of solid insulation	at at at	N/A
5.4.9.2	Test procedure for routine test	TIL MUTS AND ALL	N/A
5.4.10	Safeguards against transient voltages from external circuits	et united whitek whit	N/A
5.4.10.1	Parts and circuits separated from external circuits	A A A	N/A
5.4.10.2	Test methods	White White Mark	N/A
5.4.10.2.1	General	A A A	N/A
5.4.10.2.2	Impulse test	2 200 1	N/A
5.4.10.2.3	Steady-state test		N/A
5.4.10.3	Verification for insulation breakdown for impulse test	in the second	N/A
5.4.11	Separation between external circuits and earth	MULTER MALLE MALL	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	SLIER MITER MAITER	N/A
5.4.11.2	Requirements	The state of	N/A
it it	SPDs bridge separation between external circuit and earth	HITE WALTE WALL W	N/A
William	Rated operating voltage U _{op} (V)	EF SITE OUTE WAY	_ n
, let	Nominal voltage U _{peak} (V)	20, 2, 7	_
Mr. M	Max increase due to variation ΔU _{sp}	CLIFE MILIER MALIE	inc _
All A	Max increase due to ageing ΔU _{sa}	40 70 74	<i>-</i>
5.4.11.3	Test method and compliance	WILL WILL MULL	N/A
5.4.12	Insulating liquid		χ ^ν χ ^ν N/A
5.4.12.1	General requirements	TIENTIE MUTTE M	N/A
5.4.12.2	Electric strength of an insulating liquid	a at at a	N/A
5.4.12.3	Compatibility of an insulating liquid	write many many	N/A
5.4.12.4	Container for insulating liquid		N/A



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Clause	Requirement – Test	Result – Remark	Verdict	

5.5	Components as safeguards	20 20	N/A
5.5.1	General	No such components as safeguards.	N/A
5.5.2	Capacitors and RC units	TEX TEX WIFE WITE	N/A
5.5.2.1	General requirement	Vir Min My Any	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	IER WHITE WHITE WHITE	N/A
5.5.3	Transformers	t get get gret of	N/A
5.5.4	Optocouplers	Mer My My My	N/A
5.5.5	Relays	TEX STEX STEE OUT	N/A
5.5.6	Resistors	Mr. Mr. Mr.	N/A
5.5.7	SPDs	TEK TEK STER MITE	N/A
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable	at the text state.	N/A
5.5.9	Safeguards for socket-outlets in outdoor equipment	and an an	N/A
2/12 1	RCD rated residual operating current (mA)	White Muri Mur Mur	_
5.6	Protective conductor	A THE STE	N/A
5.6.2	Requirement for protective conductors	- 1 Mr. M.	N/A
5.6.2.1	General requirements	Class III equipment	N/A
5.6.2.2	Colour of insulation	ne me m	N/A
5.6.3	Requirement for protective earthing conductors	A TEN STEN STEEL OF	N/A
	Protective earthing conductor size (mm²)	1/2 1/1 20 20	_
Mrtie M	Protective earthing conductor serving as a reinforced safeguard	MULTER WHITE WALTER WHIT	N/A
LIER WAY	Protective earthing conductor serving as a double safeguard	LIET MILIER WHITE	N/A
5.6.4	Requirements for protective bonding conductors	L of the take	N/A
5.6.4.1	Protective bonding conductors	it will make my a	N/A
LIER	Protective bonding conductor size (mm²)	- of let let i	s —
5.6.4.2	Protective current rating (A)	mure mure my me	N/A
5.6.5	Terminals for protective conductors	Let tet tet te	N/A
5.6.5.1	Terminal size for connecting protective earthing conductors (mm)	ing the the table	N/A
	Terminal size for connecting protective bonding conductors (mm)	The water water	N/A
5.6.5.2	Corrosion	it with white white w	N/A
5.6.6	Resistance of the protective bonding system	The state of	N/A
5.6.6.1	Requirements	alie with whit will	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
5.6.6.2	Test Method	Maria Alexander	N/A
5.6.6.3	Resistance (Ω) or voltage drop	LIEF NITES WITES WHI	N/A
5.6.7	Reliable connection of a protective earthing conductor	Tex Tex Tex Wites	N/A
5.6.8	Functional earthing	by My My Day	N/A
White was	Conductor size (mm²)	THE STEE STEET WITE SE	N/A
	Class II with functional earthing marking	1/1 1/1	N/A
MULL -	Appliance inlet cl &cr (mm)	LIER WILL MULL AND	N/A
5.7	Prospective touch voltage, touch current and p	rotective conductor current	N/A
5.7.2	Measuring devices and networks	White White White Miles	N/A
5.7.2.1	Measurement of touch current	a start set	N/A
5.7.2.2	Measurement of voltage	LIFE WALL WALL WALL	N/A
5.7.3	Equipment set-up, supply connections and earth connections	EX SLICK WITH WITH W	N/A
5.7.4	Unearthed accessible parts	70 7	N/A
5.7.5	Earthed accessible conductive parts	WILL MILL MULL MALL	N/A
5.7.6	Requirements when touch current exceeds ES2 limits	A STIFF MITTE	N/A
A 1	Protective conductor current (mA)	7 7 7	N/A
MULL	Instructional Safeguard	TE ALTE MILE WALL	N/A
5.7.7	Prospective touch voltage and touch current associated with external circuits	t the the state of	N/A
5.7.7.1	Touch current from coaxial cables	The Me in in	N/A
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	MUNITER MULTER MULTER MULT	N/A
5.7.8	Summation of touch currents from external circuits	stek mitek whitek whitek	N/A
ek whitek	a) Equipment connected to earthed external circuits, current (mA)	Et NIET NIET MITET	N/A
MATER	b) Equipment connected to unearthed external circuits, current (mA)	- Tek Itek altek mi	N/A
5.8	Backfeed safeguard in battery backed up suppl	ies	N/A
The W	Mains terminal ES	No battery used	N/A
	Air gap (mm)	m. m. m.	N/A

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



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20,	EN IEC 62368-	The wife was and	10 20
Clause	Requirement – Test	Result – Remark	Verdict
6.2.2	Power source circuit classifications	PS (power source) classification determined by measuring the maximum power in Figures 34 and 35 for load and power source circuits. (See appended table 6.2.2)	P. P. V. WALLER
6.2.3	Classification of potential ignition sources	Only PS1 circuits	N/A
6.2.3.1	Arcing PIS	er mer mer me m	N/A
6.2.3.2	Resistive PIS	t get get gret gr	N/A
6.3	Safeguards against fire under normal operating conditions	and abnormal operating	Р
6.3.1	No ignition and attainable temperature value less than 90 % defined by ISO 871 or less than 300 °C for unknown materials	No ignition and no such temperature attained within the equipment. (See appended table B.1.5 & B.3)	P
Me	Combustible materials outside fire enclosure	No such parts	N/A
6.4	Safeguards against fire under single fault condit	ions	F P
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	THE WALLE WALLE	N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	TE MITE WITH WAITE W	N/A
6.4.3.1	Supplementary safeguards	e at at let o	N/A
6.4.3.2	Single Fault Conditions	White Aut My	N/A
STIFF OF	Special conditions for temperature limited by fuse	it let tet til	N/A
6.4.4	Control of fire spread in PS1 circuits	MUFT MUT MUT MUT	Р
6.4.5	Control of fire spread in PS2 circuits	Only PS1 circuits	N/A
6.4.5.2	Supplementary safeguards	in any any any	N/A
6.4.6	Control of fire spread in PS3 circuits	et tet tet stet stet o	N/A
6.4.7	Separation of combustible materials from a PIS	m, m, m, s,	N/A
6.4.7.2	Separation by distance	- TEX TEX NUTER INC	N/A
6.4.7.3	Separation by a fire barrier	They have by	N/A
6.4.8	Fire enclosures and fire barriers	LIER RITER MITE WALLE	N/A
6.4.8.2	Fire enclosure and fire barrier material properties	10. 21, 2, 7, 7	N/A
6.4.8.2.1	Requirements for a fire barrier	THE RULL WILL WHILE I	N/A
6.4.8.2.2	Requirements for a fire enclosure	1" t t	⊘⊢ N/A⊲
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	TONIE WHITE WHITE WA	N/A
6.4.8.3.1	Fire enclosure and fire barrier openings	TEN TEN LIET LIET LIE	N/A



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	EN IEC 62368-	D. 70, 70, 7,	T
Clause	Requirement – Test	Result – Remark	Verdict
64922	Eiro barrier dimensions	there were also we	NI/A
6.4.8.3.2	Fire barrier dimensions		N/A
6.4.8.3.3	Top openings and properties	MULL AND MULL AND	N/A
- C C	Openings dimensions (mm)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
6.4.8.3.4	Bottom openings and properties	Will MULL MULL MULL	N/A
Et JET	Openings dimensions (mm)	the set of the	N/A
- 1874 Miles	Flammability tests for the bottom of a fire enclosure	in min min my	N/A
Mir.	Instructional Safeguard	ALTER WITE WALLE	N/A
6.4.8.3.5	Side openings and properties	The second second	N/A
ing in	Openings dimensions (mm)	INLIER MALTE WALL WALL	N/A
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c)	THE SITES STITES MITTER	N/A
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating	at the talk talk	N/A
6.4.9	Flammability of insulating liquid	Mr. Mr. M. A	N/A
6.5	Internal and external wiring	t tet tet tiet stiet si	N/A
6.5.1	General requirements	No such wire used	N/A
6.5.2	Requirements for interconnection to building wiring	Muliter Marite	N/A
6.5.3	Internal wiring size (mm2) for socket-outlets	THE LIES	N/A
6.6	Safeguards against fire due to the connection to ac	dditional equipment	N/A
JET	ALLE WILL AND AND	a state of	JET JOH
7	INJURY CAUSED BY HAZARDOUS SUBSTANC	ES	N/A
7.2	Reduction of exposure to hazardous substance	es at the state of	N/A
7.3	Ozone exposure	any any any an	N/A
7.4	Use of personal safeguards or personal protect	tive equipment (PPE)	N/A
1	Personal safeguards and instructions	Wr. Mrr. Mr. An.	_
7.5	Use of instructional safeguards and instruction	SH TEX TEX STEE	N/A
	Instructional safeguard (ISO 7010)	The The Miles	_
7.6	Batteries and their protection circuits	A WITER WALFER WALTER WA	N/A
8	MECHANICALLY-CAUSED INJURY		P
8.2	Mechanical energy source classifications		Р
8.3	Safeguards against mechanical energy sources	TER TER STEE WITE	Pul
8.4	Safeguards against parts with sharp edges and	corners	Р
8.4.1	Safeguards	ex liex siles outer a	n P
THE STATE OF THE S	Instructional Safeguard:	MS1: Edges and corners of enclosure	P



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· ugo		0.	0,

-21,	EN IEC 62368-	in the are are	n de
Clause	Requirement – Test	Result – Remark	Verdict
8.4.2	Sharp edges or corners	Edges and corners of the enclosure are rounded.	P
8.5	Safeguards against moving parts		N/A
8.5.1	Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts	No moving parts.	N/A
EXMITER	MS2 or MS3 part required to be accessible for the function of the equipment	See above.	N/A
- Ket	Moving MS3 parts only accessible to skilled person	e se strong	N/A
8.5.2	Instructional safeguard:	Will Will Mr. W.	N/A
8.5.4	Special categories of equipment containing moving parts	SLIER WILLER MUTER	N/A
8.5.4.1	General	an an at the	N/A
8.5.4.2	Equipment containing work cells with MS3 parts	LIER WILL WILL WILL	N/A
8.5.4.2.1	Protection of persons in the work cell	1 th at at	< N/A ≤
8.5.4.2.2	Access protection override	er autic auti, aut, au	N/A
8.5.4.2.2.1	Override system	at all the st	N/A
8.5.4.2.2.2	Visual indicator	were me me me	N/A
8.5.4.2.3	Emergency stop system	it it little	N/A
LER LIER	Maximum stopping distance from the point of activation (m):	To the test	N/A
t th	Space between end point and nearest fixed mechanical part (mm):	The West of the T	N/A
8.5.4.2.4	Endurance requirements	WILL NUTTE WALL WA	N/A
untitek uni	Mechanical system subjected to 100 000 cycles of operation	STEE STEEL WITER SUNTE	N/A
it it	- Mechanical function check and visual inspection	an an a	N/A
in m	- Cable assembly:	LIER WILL WHILE WHILE	N/A
8.5.4.3	Equipment having electromechanical device for destruction of media	Et lifet slifet milet su	N/A
8.5.4.3.1	Equipment safeguards	The The Table	N/A
8.5.4.3.2	Instructional safeguards against moving parts:	- ALTER MITER MALTER MAL	N/A
8.5.4.3.3	Disconnection from the supply	The state of	N/A
8.5.4.3.4	Cut type and test force (N):	WITE WHITE WHITE WALL	N/A
8.5.4.3.5	Compliance		N/A
8.5.5	High pressure lamps	No high pressure lamps used.	N/A
t STEE	Explosion test:	at the left of the	N/A
8.5.5.3	Glass particles dimensions (mm)	MUTT, MUT, MILE, MILE	N/A
8.6	Stability of equipment	at alt the ti	N/A



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- 27	EN IEC 62368-	2, 40, 72, 3,	10, 0
Clause	Requirement – Test	Result – Remark	Verdict
8.6.1	General	MS1: Mass of the unit	N/A
0.0.1	Instructional safeguard:	IVIO 1. IVIASS OF THE WHIT	N/A
8.6.2	Static stability	The The The Law	N/A
8.6.2.2	Static stability test:	THE STATE OF THE STATE	N/A
8.6.2.3	Downward force test	Un Mr. Mr. Mr.	N/A
8.6.3	Relocation stability	THE CHIEF MATERIALITY	N/A
0.0.0	Wheels diameter (mm):		14/7
4/1/1	Tilt test	MITTER WAITE WATER AND	N/A
8.6.4	Glass slide test	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
11. 10.	N C C C C C C C C C C C C C C C C C C C	all the walk walk with	7711
8.6.5	Horizontal force test		N/A
8.7	Equipment mounted to wall, ceiling or other stru	· · · · · · · · · · · · · · · · · · ·	N/A
8.7.1	Mount means type:	No wall or ceiling	N/A
8.7.2	Test methods	Chili ani ani a	N/A
CITER	Test 1, additional downwards force (N)	and the contract	N/A
'.'. 2η, α	Test 2, number of attachment points and test force (N)	White My My My	N/A
	Test 3 Nominal diameter (mm) and applied torque (Nm)	Multer white	N/A
8.8	Handles strength	THE THE STREET	N/A
8.8.1	General	No handles	N/A
8.8.2	Handle strength test	H TEN STEEL WITEL ON	N/A
	Number of handles:	Mr. M. M.	_
Write M	Force applied (N)	LIER WILL WILL WAL	MULL.
8.9	Wheels or casters attachment requirements	The The The	N/A
8.9.2	Pull test	No such parts	N/A
8.10	Carts, stands and similar carriers		N/A
8.10.1	General	No carts, stands or similar carriers	N/A
8.10.2	Marking and instructions:	TER SLIER WILL ON	N/A
8.10.3	Cart, stand or carrier loading test	M. M. M.	N/A
incia. The	Loading force applied (N)	ALTER MITE ANTIC WALL	N/A
8.10.4	Cart, stand or carrier impact test		N/A
8.10.5	Mechanical stability	ITER WILL WILL WILL	N/A
the set	Force applied (N):	1 th at	(E) - (1)
8.10.6	Thermoplastic temperature stability	White white white w	N/A
8.11	Mounting means for slide-rail mounted equipme	nt (SRME)	N/A



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	-1.75 min wat wa	
Requirement – Test	Result – Remark	Verdict
The state of	the life with other	Mr. Mr.
General	No such parts	N/A
Requirements for slide rails	CLIER WILLE WALTE	w/N/A
Instructional Safeguard:	70° 1	N/A
Mechanical strength test	Will all hour Marin M	N/A
Downward force test, force (N) applied:	a at at a	N/A
Lateral push force test	die Morie Auri Au	N/A
Integrity of slide rail end stops	L St St S	N/A
Compliance	MULL MAL MA	N/A
Telescoping or rod antennas	et set set	N/A
Button/ball diameter (mm):	No such parts	<i></i>
	General Requirements for slide rails Instructional Safeguard: Mechanical strength test Downward force test, force (N) applied: Lateral push force test Integrity of slide rail end stops Compliance Telescoping or rod antennas	General No such parts Requirements for slide rails Instructional Safeguard: Mechanical strength test Downward force test, force (N) applied: Lateral push force test Integrity of slide rail end stops Compliance

9	THERMAL BURN INJURY Thermal energy source classifications Touch temperature limits		Р	
9.2			TEN PUTE	
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)	P. P.	
9.3.2	Test method and compliance	See B.1.6 & B.2.3	Р	
9.4	Safeguards against thermal energy sources	The Maria Maria	л. Р _{2л.}	
9.5	Requirements for safeguards		JEF P. JE	
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 Ht WALTER	
9.5.2	Instructional safeguard:	Instructional safeguard is not required.	N/A	
9.6	Requirements for wireless power transmitters	Requirements for wireless power transmitters		
9.6.1	General	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A P	
9.6.2	Specification of the foreign objects	THE STEEL WITE WALLE WE	Р	
9.6.3	Test method and compliance:	(See appended table 9.6)	+ Pot	

10			P
10.2			anti P and
10.2.1	General classification See below		P
C. MILL	Lasers	LIER WILL WALL A	_
y whitek	Lamps and lamp systems:	RS1: LED only for indicating use which is considered as low power application.	_
NITE OF	Image projectors:	ER TER STER STER	_



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Clause	Requirement – Test	Result – Remark	Verdict
College College	WIT WITH SIN IN IL THE ST	Et LITER MITTER MAINE ON	3 11/2
et.	X-Ray:	M A A	e —
arr. a	Personal music player:	nutile white white whi	_
10.3	Safeguards against laser radiation		N/A
الاست. الأثار الجار	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	PI
10.4.1	General requirements	LED indication light: Classed as RS1 (Exempt Group)	Р
in _{riek} in	Instructional safeguard provided for accessible radiation level needs to exceed	WIFEX WHIFEX WHIFEX WHIFE	N/A
det d	Risk group marking and location:	a st et set	N/A
r mr	Information for safe operation and installation	THE MULTE WALL WALL	N/A
10.4.2	Requirements for enclosures	a at at at	N/A
21/2	UV radiation exposure:	E WILL MUE MUE ON	N/A
10.4.3	Instructional safeguard:	et set set s	N/A
10.5	Safeguards against X-radiation	mure mure mure mure	N/A
10.5.1	Requirements	No X-radiation	N/A
	Instructional safeguard for skilled persons	- 1 m m	_
10.5.3	Maximum radiation (pA/kg)	THE THE LITTLE STIFF	_
10.6	Safeguards against acoustic energy sources	in the the	N/A
10.6.1	General	No such equipment	N/A
10.6.2	Classification	74. 14. 14.	N/A
الل ميرانات	Acoustic output L _{Aeq,T} , dB(A)	LIER WILL WILL MILE	N/A
10th 1	Unweighted RMS output voltage (mV):	an an a	N/A
Tr. ALT	Digital output signal (dBFS):	LIER INLIER WALLE WALL	N/A
10.6.3	Requirements for dose-based systems		N/A
10.6.3.1	General requirements	IEE WALL WALL WALL WALL WALL WALL WALL WA	N/A
10.6.3.2	Dose-based warning and automatic decrease	a de de	N/A
10.6.3.3	Exposure-based warning and requirements	WHILE MULL AND AND	N/A
TEN O	30 s integrated exposure level (MEL30):	the set of	N/A
11. 20,	Warning for MEL ≥ 100 dB(A):	MULL MULL MULL MILL	N/A
10.6.4	Measurement methods	of the the the	N/A
10.6.5	Protection of persons	The Mer Mer My	N/A
NUTER	Instructional safeguards	it get get get .	N/A
10.6.6	Requirements for listening devices (headphones, earphones, etc.)	an an an	N/A



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Clause	Requirement – Test	Result – Remark	Verdict		
"offer	W V A APP S	Er alle mil apri	me m		
10.6.6.1	Corded listening devices with analogue input	70, 70	N/A		
Mrs. M	Listening device input voltage (mV):	ALTER METERSONIE	N/A		
10.6.6.2	Corded listening devices with digital input	24	N/A		
in the	Max. acoustic output L _{Aeq,T} , dB(A)	RLIFE WILL WALL WA	N/A		
10.6.6.3	Cordless listening devices	a state of	N/A		
an.	Max. acoustic output L _{Aeq,T} , dB(A)	TE WITE WITE MAL	N/A		

В	NORMAL OPERATING CONDITION TESTS, ABO CONDITION TESTS AND SINGLE FAULT COND	NORMAL OPERATING ITION TESTS	P
B.1	General	LEX LIEX NUTE MUTE	Jr P
B.1.5	Temperature measurement conditions	(See appended table B.1.5)	Р
B.2	Normal operating conditions	THE LIFE SLIFE WITE	NO Pul
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	TEK P
TEX	Audio Amplifiers and equipment with audio amplifiers	The the the	N/A
B.2.3	Supply voltage and tolerances	Rated input 5Vdc or 9Vdc	Р
B.2.5	Input test:	(See appended table B.2.5)	ΥP
B.3	Simulated abnormal operating conditions	2 242 24	Р
B.3.1	General	(See appended table B.3)	JO P. O
B.3.2	Covering of ventilation openings	No ventilation openings.	N/A
MITE	Instructional safeguard:	t tet tet with which w	N/A
B.3.3	DC mains polarity test	Not supplied by D.C. mains	N/A
B.3.4	Setting of voltage selector	No such selector	N/A
B.3.5	Maximum load at output terminals	(See appended table B.3)	Р
B.3.6	Reverse battery polarity	No such battery	N/A
B.3.7	Audio amplifier abnormal operating conditions	No such audio amplifier	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions	All safeguards remained effective	Р
B.4	Simulated single fault conditions	t the life alies and	_O P
B.4.1	General	24, 24, 24, 3,	Р
B.4.2	Temperature controlling device	No such parts	N/A
B.4.3	Blocked motor test	No motors	N/A
B.4.4	Functional insulation	See below.	P
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.4)	Ø P.≪
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	Р



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Clause	Requirement – Test	Result – Remark	Verdict
"Up.	M. M. Sept.	The write white our will	1/1/2
B.4.4.3	Short circuit of functional insulation on coated printed boards	No coated printed boards within the EUT	N/A
B.4.5	Short-circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.4)	P
B.4.6	Short circuit or disconnection of passive components	(See appended table B.4)	P
B.4.7	Continuous operation of components	The EUT is continuous operating type and no such components intended for short time operation or intermittent operation	N/A
B.4.8	Compliance during and after single fault conditions:	No change to circuits classified in 5.3	un P
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	Protection of materials in equipment from UV radiation	
C.1.2	Requirements	No such UV generated from the equipment.	N/A
C.1.3	Test method	A A A	N/A
C.2	UV light conditioning test	The July Mari	N/A
C.2.1	Test apparatus:	t the	N/A
C.2.2	Mounting of test samples	tit mer mer me.	N/A
C.2.3	Carbon-arc light-exposure test	at the text tiest a	N/A
C.2.4	Xenon-arc light-exposure test	THE AND AND AND	N/A
D	TEST GENERATORS		N/A
D.1	Impulse test generators	The The Me	N/A
D.2	Antenna interface test generator	TEX TEX STEE STEE	N/A
D.3	Electronic pulse generator	the sur sur sur	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAIL	NING AUDIO AMPLIFIERS	N/A
E.1	Electrical energy source classification for aud	io signals	N/A
White 1	Maximum non-clipped output power (W):	E LIER NITER WITE MA	_
,c#	Rated load impedance (Ω):	10, 0, 0	<u> </u>
her in	Open-circuit output voltage (V):	ALTER MITE WALTER WALTE	_
et de	Instructional safeguard:		_
E.2	Audio amplifier normal operating conditions	WILL THIS MULL MUTTE	N/A
t with	Audio signal source type:	1 1 1 1 1 1 1	_
Ang.	Audio output power (W):		_
10th	Audio output voltage (V)		6



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Clause	Requirement – Test	Result – Remark	Verdict	
Mrs.	n n v	EL WILL MILL MULL MU	2/1/2	
	Rated load impedance (Ω):			
mr m	Requirements for temperature measurement	antile until water water	N/A	
E.3	Audio amplifier abnormal operating conditions	the state of	N/A	
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND SAFEGUARDS	INSTRUCTIONAL	oll P	
F.1	General	TEX STEEL WILLIAM IN	P	
	Language:	English	_	
F.2	Letter symbols and graphical symbols	A CLIEB WITH WITH WALL WALL	υP	
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	Р	
F.2.2	Graphic symbols according to IEC, ISO or manufacturer specific	Graphical symbols are complied with IEC 60417, ISO 3864-2, ISO 7000 or ISO 7010.	P	
F.3	Equipment markings	MULT MILL ME AND	Р	
F.3.1	Equipment marking locations	The required marking is located on the enclosure of the equipment and is easily visible.	P	
F.3.2	Equipment identification markings	See below for details.	Р	
F.3.2.1	Manufacturer identification	See copy of marking plate	Pur	
F.3.2.2	Model identification	See copy of marking plate	Р	
F.3.3	Equipment rating markings	See below for details.	Р	
F.3.3.1	Equipment with direct connection to mains	Supplying by 5Vdc or 9Vdc	N/A	
F.3.3.2	Equipment without direct connection to mains	See above.	Р	
F.3.3.3	Nature of the supply voltage:	See copy of marking plate.	Р	
F.3.3.4	Rated voltage:	See copy of marking plate.	Jr P√	
F.3.3.5	Rated frequency:	DC supply	P.	
F.3.3.6	Rated current or rated power:	See copy of marking plate.	Р	
F.3.3.7	Equipment with multiple supply connections	Single supply connection.	N/A	
F.3.4	Voltage setting device	No voltage setting device.	N/A	
F.3.5	Terminals and operating devices	at at let set	N/A	
F.3.5.1	Mains appliance outlet and socket-outlet markings:	mer mer mer m	N/A	
F.3.5.2	Switch position identification marking:	LIET MILLE MALL MALL	N/A	
F.3.5.3	Replacement fuse identification and rating markings	A SIFE WIFE WIFE WA	N/A	
et-	Instructional safeguards for neutral fuse:	70 20 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A	
F.3.5.4	Replacement battery identification marking:	No such battery.	N/A	



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- "	EN IEC 62368-	2, 40, 72, 2	1
Clause	Requirement – Test	Result – Remark	Verdict
F.3.5.5	Neutral conductor terminal	No such parts.	N/A
F.3.5.6	Terminal marking location	LIER WILL MILL MILL	N/A
F.3.6	Equipment markings related to equipment classification	Class III equipment	N/A
F.3.6.1	Class I equipment	L. M. M. M.	N/A
F.3.6.1.1	Protective earthing conductor terminal:	TEX STEE STEE SOUTH SO	N/A
F.3.6.1.2	Protective bonding conductor terminals:	in in	N/A
F.3.6.2	Equipment class marking	Latter mitter and and	N/A
F.3.6.3	Functional earthing terminal marking	And the second	N/A
F.3.7	Equipment IP rating marking:	This equipment is classified as IPX0.	nu.
F.3.8	External power supply output marking:	No such parts.	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.	TEK P
F.3.10	Test for permanence of markings	The label was subjected to the permanence of marking test. The label was rubbed with cloth soaked with water for 15 sec. And then again for 15 sec, with the cloth soaked with petroleum spirit. After this test there was no damage to the label. The marking on the label did not fade. There was no curling and lifting of the label edge. After each test, the marking remained legible.	PERVINER WAS
F.4	Instructions	me m. m.	Р
الله الماليا	a) Information prior to installation and initial use	See user manual	P
et stet	b) Equipment for use in locations where children not likely to be present	A ST ST	N/A
201	c) Instructions for installation and interconnection	wer were me m	N/A
MALTER	d) Equipment intended for use only in restricted access area	- TITEK MITTEL MALTER MALT	N/A
All S	e) Equipment intended to be fastened in place	I A ST AST	N/A
W. 24	f) Instructions for audio equipment terminals	WILL WILL MILL MILL	N/A
LER SE	g) Protective earthing used as a safeguard	at the set of	N/A
4 EX	h) Protective conductor current exceeding ES2 limits	The warrant warrant	N/A
MULL	i) Graphic symbols used on equipment	it aliet with while wh	N/A
TIEK 1	j) Permanently connected equipment not provided with all-pole mains switch	the the the the	N/A



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01	EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict	
-30,	k) Poplosophia componente or modulos	They are are	NI/A	
	k) Replaceable components or modules providing safeguard function	at let let	N/A	
20-20	Equipment containing insulating liquid	weit with any	N/A	
Lifett and	m) Installation instructions for outdoor equipment	TEX TEX LIER IN	N/A	
F.5	Instructional safeguards	Mrs. Mrs. My My	N/A	
G	COMPONENTS		P	
G.1	Switches	- 44 An A	N/A	
G.1.1	General	No switch used	N/A	
G.1.2	Ratings, endurance, spacing, maximum load	11, 1, 2	N/A	
G.1.3	Test method and compliance	ALTER MITER MALLE M	N/A	
G.2	Relays	71, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7,	N/A	
G.2.1	Requirements	No relay used.	N/A	
G.2.2	Overload test	1 1 0 0	N/A	
G.2.3	Relay controlling connectors supplying power to other equipment	MULLI MULL MULL	N/A	
G.2.4	Test method and compliance	ALTER MATE WALLE	N/A	
G.3	Protective devices	The state of the s	N/A	
G.3.1	Thermal cut-offs	No such component	N/A	
IEK WALTE	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	The Time Nitt with	N/A	
k NLTEK	Thermal cut-outs tested as part of the equipment as indicated in c)	t tet tet tres	N/A	
G.3.1.2	Test method and compliance	Mrs. Mrs. My	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	an an an	N/A	
7.0	b) Thermal links tested as part of the equipment	been mure mure me	N/A	
G.3.2.2	Test method and compliance	et let let let	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	Mr. Mr. Mr.	N/A	
G.3.5.1	Non-resettable devices suitably rated and marking provided	Mrs. Mrs. Mrs. M	N/A	
G.3.5.2	Single faults conditions	LIE WALTE WALL WAL	N/A	
G.4	Connectors	a state of	N/A	
G.4.1	Spacings	No such component	N/A	
G.4.2	Mains connector configuration:		N/A	



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-0,	EN IEC 62368-	33. W. W. W. W.	20, 4,
Clause	Requirement – Test	Result – Remark	Verdict
The .	W W The state of t	Er Will Will Mr.	21/20 21/2
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	let let liet	N/A
G.5	Wound components	Mr. Mr. M.	N/A
G.5.1	Wire insulation in wound components	No such component	N/A
G.5.1.2	Protection against mechanical stress	Ver 101 101 12	N/A
G.5.2	Endurance test	TER STER WITER WALL	N/A
G.5.2.1	General test requirements	M. 20	N/A
G.5.2.2	Heat run test	A STEE WITE WAITE	N/A
A.	Test time (days per cycle)	70 27 24	<i>J</i> –
ne in	Test temperature (°C):	WITE WITE WALL A	16 -
G.5.2.3	Wound components supplied from the mains	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
G.5.2.4	No insulation breakdown	LIE WALL WALL WA	N/A
G.5.3	Transformers	e de de de	N/A
G.5.3.1	Compliance method:	much much much	N/A
LITER .	Position	at the the	N/A
4, 4,	Method of protection	With My My	N/A
G.5.3.2	Insulation	at the	N/A
	Protection from displacement of windings:	2 4 4 4	_
G.5.3.3	Transformer overload tests	the ite is a	N/A
G.5.3.3.1	Test conditions	The The The	N/A
G.5.3.3.2	Winding temperatures	of the state with	N/A
G.5.3.3.3	Winding temperatures - alternative test method	24 24 24	N/A
G.5.3.4	Transformers using FIW	LITER OUTER MITE	N/A
G.5.3.4.1	General	14 14	N/A
in the	FIW wire nominal diameter	LIEF WIFE WALL WA	_
G.5.3.4.2	Transformers with basic insulation only	, , , , , , , , , , , , , , , , , , ,	+ N/A
G.5.3.4.3	Transformers with double insulation or reinforced insulation:	iet white white whi	N/A
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	White Mhite White	N/A
G.5.3.4.5	Thermal cycling test and compliance	TEX LIEX SLIER	N/A
G.5.3.4.6	Partial discharge test	me me m	N/A
G.5.3.4.7	Routine test	THE STEEL WITH MILE	N/A
G.5.4	Motors	No motors used.	N/A
G.5.4.1	General requirements	ex with with write	N/A
G.5.4.2	Motor overload test conditions	20 20	N/A
G.5.4.3	Running overload test	THE STATE WITE	N/A



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97	EN IEC 62368-	D. C.	0 7
Clause	Requirement – Test	Result – Remark	Verdict
0.5.4.4.0		the write wines and a	N1/A
G.5.4.4.2	Locked-rotor overload test		N/A
10, 20	Test duration (days):	BUTTLE ONLY WILL AND	_
G.5.4.5	Running overload test for DC motors		N/A
G.5.4.5.2	Tested in the unit	Will out and out	N/A
G.5.4.5.3	Alternative method	LE THE THE	N/A
G.5.4.6	Locked-rotor overload test for DC motors	I'm mir mir m	N/A
G.5.4.6.2	Tested in the unit	L SH SH SH	N/A
20. 1	Maximum Temperature	mer mer mer in	N/A
G.5.4.6.3	Alternative method	at let stell si	N/A
G.5.4.7	Motors with capacitors	any any any	N/A
G.5.4.8	Three-phase motors	TEX TEX TEX OUT	N/A
G.5.4.9	Series motors	her mer an in	N/A
White.	Operating voltage:	EX TEX STEX STEE	.ri —
G.6	Wire Insulation	24 24 24 25 T	N/A
G.6.1	General	Only ES1 existed	N/A
G.6.2	Enamelled winding wire insulation	-W. N. N.	N/A
G.7	Mains supply cords	THE MILE WALL	N/A
G.7.1	General requirements	No such component	N/A
Mer	Type	The Mile White White	<i>s</i> ' —
G.7.2	Cross sectional area (mm² or AWG):		N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	MULL MULL MULL M	N/A
G.7.3.2	Cord strain relief	LIER NITE MITE WA	N/A
G.7.3.2.1	Requirements	24 24 2 S	N/A
TIL MUTT	Strain relief test force (N):	LIEF WILL WILL MILL	N/A
G.7.3.2.2	Strain relief mechanism failure	t at	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	ciet inliet while while	N/A
G.7.3.2.4	Strain relief and cord anchorage material		N/A
G.7.4	Cord Entry	INCIENTIF WILL WILL WILL	N/A
G.7.5	Non-detachable cord bend protection	t at at a	N/A
G.7.5.1	Requirements	WILL MULL MULL MILL	N/A
G.7.5.2	Test method and compliance	at the set set	N/A
t The	Overall diameter or minor overall dimension, D (mm)	the man mil mi	7 -
21/2	Radius of curvature after test (mm):	ie antie mitte with	702



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	EN IEC 62368-	Charle all All A	7
Clause	Requirement – Test	Result – Remark	Verdict
G.7.6.1	General requirements	The Mary one on	N/A
G.7.6.2	Stranded wire	THE THE THE MIT	N/A
G.7.6.2.1	Requirements	The Alexander	N/A
G.7.6.2.2	Test with 8 mm strand	THE THE NUMBER OF THE	N/A
G.8	Varistors	Les Mr. M. M.	N/A
G.8.1	General requirements	No such component	N/A
G.8.2	Safeguards against fire	The eden component	N/A
G.8.2.1	General	L LIV MICE WAY	N/A
G.8.2.2	Varistor overload test	10 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
G.8.2.3	Temporary overvoltage test	WILL WELL AND AND	N/A
G.9	Integrated circuit (IC) current limiters	t of the	N/A
G.9.1	Requirements	No such component	N/A
5.0.1	IC limiter output current (max. 5A):	The oddin component	14//
- m	Manufacturers' defined drift:	the the the the	_
G.9.2	Test Program	at all all as	N/A
G.9.3	Compliance	with the are all	N/A
G.10	Resistors	A LIFE MIN	N/A
G.10.1	General	No such component	N/A
G.10.2	Conditioning	The the will shift to	N/A
G.10.3	Resistor test	7/12 -111 -121 -12	N/A
G.10.4	Voltage surge test	t with write mi	N/A
G.10.5	Impulse test	J. W. J. A. A.	N/A
G.10.6	Overload test	CLIE WILL WILL MAIL	N/A
G.11	Capacitors and RC units	a at at at	N/A
G.11.1	General requirements	No such component	N/A
G.11.2	Conditioning of capacitors and RC units	at the little	N/A
G.11.3	Rules for selecting capacitors	mer mer me m	N/A
G.12	Optocouplers	t let let let let	N/A
SEP S	Optocouplers comply with IEC 60747-5-5 with specifics	No such component	N/A
11. 121.	Type test voltage V _{ini,a} :	NUTTE MUTE MUTE MUTE	_
JER JE	Routine test voltage, V _{ini, b} :	at let let let	_
G.13	Printed boards	The same of the sa	Р
G.13.1	General requirements	Only need to comply with functional insulation, see only B.4.4.	P
G.13.2	Uncoated printed boards	THE STEE WITE WITE	N/A



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	EN IEC 62368-		1.4
Clause	Requirement – Test	Result – Remark	Verdict
G.13.3	Coated printed boards	They was one	N/A
G.13.4	Insulation between conductors on the same inner surface	White White White.	N/A
G.13.5	Insulation between conductors on different surfaces	ALTER WALTER WALTER OWN	N/A
EH STER	Distance through insulation:	at at alt of	N/A
74,	Number of insulation layers (pcs):	the me me	70,
G.13.6	Tests on coated printed boards	t let let stet	N/A
G.13.6.1	Sample preparation and preliminary inspection	mes me me	N/A
G.13.6.2	Test method and compliance	TEX TEX LITER	N/A
G.14	Coating on components terminals	Mer Mer Mer Me	N/A
G.14.1	Requirements:	TEX STEX SITES IN	N/A
G.15	Pressurized liquid filled components		N/A
G.15.1	Requirements	No such component	N/A
G.15.2	Test methods and compliance	Ange on the	N/A
G.15.2.1	Hydrostatic pressure test	ALTER MATER MALIER	N/A
G.15.2.2	Creep resistance test		N/A
G.15.2.3	Tubing and fittings compatibility test	" Murit Mu	N/A
G.15.2.4	Vibration test	- L	/ N/A
G.15.2.5	Thermal cycling test	The Will Mile Mile	N/A
G.15.2.6	Force test	e at at let	N/A
G.15.3	Compliance	MULL MULL MA	N/A
G.16	IC including capacitor discharge function (ICX)	at let let	N/A
G.16.1	Condition for fault tested is not required	No such component	N/A
LIEF WIT	ICX with associated circuitry tested in equipment	LET LET LET N	N/A
	ICX tested separately	ing the me in	N/A
G.16.2	Tests	EF JEF LIEF MITE	N/A
N.TEK	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	THE THE TEXT	
The To	Mains voltage that impulses to be superimposed on	Mur aur aur	16t
* * * * * * * * * * * * * * * * * * *	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test:	MULLE MULLE MULL M	
G.16.3	Capacitor discharge test:	TEK MITER WITE WAL	N/A
Н	CRITERIA FOR TELEPHONE RINGING SIGNAL	S	N/A
H.1	General	iek witer antic water	N/A
H.2	Method A		N/A
H.3	Method B	ALTER MITE MALL S	N/A



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
H.3.1	Ringing signal	No telephone ringing signal generated within the equipment.	N/A
H.3.1.1	Frequency (Hz)		
H.3.1.2	Voltage (V)	Will Aut Aug Au	_
H.3.1.3	Cadence; time (s) and voltage (V):	IN THE THE STEEL	_
H.3.1.4	Single fault current (mA):	" " " " " " " " " " " " " " " " " " "	_
H.3.2	Tripping device and monitoring voltage	t jet stiet alter on	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	tet Tet itet site	N/A
H.3.2.2	Tripping device	over my my my	N/A
H.3.2.3	Monitoring voltage (V):	THE THE LITTER SUITER	N/A
J	INSULATED WINDING WIRES FOR USE WITHOUNSULATION	OUT INTERLEAVED	N/A
J.1	General	it must be a	N/A
CLIER N	Winding wire insulation:	e set set stet at	· —
10	Solid round winding wire, diameter (mm):	wir. Aur Aur Au	N/A
neiter whi	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²):	MALIET WALLE	N/A
J.2/J.3	Tests and Manufacturing	THE THE	LITER OF
K	SAFETY INTERLOCKS		N/A
K.1	General requirements		N/A
July 1	Instructional safeguard:	No safety interlock provided within the equipment.	N/A
K.2	Components of safety interlock safeguard med	hanism	N/A
K.3	Inadvertent change of operating mode	at at let let	N/A
K.4	Interlock safeguard override	NUTTE MUTEL MUSE MUSE	N/A
K.5	Fail-safe	at let let liet	N/A
K.5.1	Under single fault condition	Mur Mur My A	N/A
K.6	Mechanically operated safety interlocks	A THE THE STEEL OF	N/A
K.6.1	Endurance requirement	The Apr Apr Apr	N/A
K.6.2	Test method and compliance:	TER STER OUTER MITE	N/A
K.7	Interlock circuit isolation	Mr. Mr. W.	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements	LIET WHITEH WHITEH WHITE	N/A
WALTER.	In circuit connected to mains, separation distance for contact gaps (mm):	the specific while while w	N/A
	In circuit isolated from mains, separation distance for contact gaps (mm):	LIEK SLIEK MLIEK MILI	N/A



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EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
- chr	And the state of t	E. WILL WILL OUR ON	- 111	
	Electric strength test before and after the test of K.7.2	et let let sit	N/A	
K.7.2	Overload test, Current (A):	mer me me m	N/A	
K.7.3	Endurance test	TEX STEX SITES MITES	N/A	
K.7.4	Electric strength test	Les Mes day day	N/A	
L	DISCONNECT DEVICES	,	N/A	
L.1	General requirements	24 14	N/A	
L.2	Permanently connected equipment	Latter mitter and and	N/A	
L.3	Parts that remain energized	An A A A	N/A	
L.4	Single-phase equipment	WILL WILL MULL MULL	N/A	
L.5	Three-phase equipment	and the state of	N/A	
L.6	Switches as disconnect devices	LIFE MALIE WALL WALL	N/A	
L.7	Plugs as disconnect devices	a at at at	N/A	
L.8	Multiple power sources	E WILL MUT MUT AL	N/A	
JEK	Instructional safeguard		N/A	
М	EQUIPMENT CONTAINING BATTERIES AND THEIR PROTECTION CIRCUITS		N/A	
M.1	General requirements		N/A	
M.2	Safety of batteries and their cells		N/A	
M.2.1	Batteries and their cells comply with relevant IEC standards	No battery used	N/A	
M.3	Protection circuits for batteries provided within the equipment	* STEEK MITEK WAITER WAS	N/A	
M.3.1	Requirements	The state of	N/A	
M.3.2	Test method	RETER WALTER WALL WALL	N/A	
48* 3	Overcharging of a rechargeable battery	1 A At At	N/A	
7 70.	Excessive discharging	HITE WALL WALL WALL	N/A	
ek waliek	Unintentional charging of a non-rechargeable battery	Et BUTER MUTER MATERAL	N/A	
. At	Reverse charging of a rechargeable battery		N/A	
M.3.3	Compliance	mile while while whi	N/A	
M.4	Additional safeguards for equipment containing a portable secondary lithium battery		N/A	
M.4.1	General	11. 24. 25.	N/A	
M.4.2	Charging safeguards	TEX NITER WITE WAITER	N/A	
M.4.2.1	Requirements	20, 20	N/A	
M.4.2.2	Compliance	IN WILL MILL WILL MY	N/A	
M.4.3	Fire enclosure:	70.	N/A	



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EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
M.4.4	Drop test of equipment containing a secondary	with his on my	N/A	
ر م ^{ارزات} ما	lithium battery	TER TER STEEL WITH	anite.	
M.4.4.2	Preparation and procedure for the drop test	Mr. Mr. M. M.	N/A	
M.4.4.3	Drop, Voltage on reference and dropped batteries (V); voltage difference during 24 h period (%)::	ALTER WALTER WALTER WALTER	N/A	
M.4.4.4	Check of the charge/discharge function	at let let let	N/A	
M.4.4.5	Charge / discharge cycle test	Mur Mr. Mr. M. M.	N/A	
M.4.4.6	Compliance	t set set wet	N/A	
M.5	Risk of burn due to short-circuit during carrying	The Mr. M.	N/A	
M.5.1	Requirement	TER STER STEEL WITE	N/A	
M.5.2	Test method and compliance	Mr. Mr. Mr. Mr.	N/A	
M.6	Safeguards against short-circuits	THE LITER STEEL SPATE	N/A	
M.6.1	External and internal faults	711. 24.	N/A	
M.6.2	Compliance	EX SITER ONLE SOUTH ON	N/A	
M.7	Risk of explosion from lead acid and NiCd batte	eries	N/A	
M.7.1	Ventilation preventing explosive gas concentration	White White White white	N/A	
NITE WILL	Calculated hydrogen generation rate:	ALTER MITE	N/A	
M.7.2	Test method and compliance	7 1 1 1 1 1	N/A	
in with	Minimum air flow rate, Q (m³/h):	The life with spire w	N/A	
M.7.3	Ventilation tests	74	N/A	
M.7.3.1	General	A CLIEB WITE WALL WA	N/A	
M.7.3.2	Ventilation test – alternative 1	The state of the	N/A	
mr. m	Hydrogen gas concentration (%)	White White Mark	N/A	
M.7.3.3	Ventilation test – alternative 2	a de let let	N/A	
in an	Obtained hydrogen generation rate:	PILL MULL MULL MULL	N/A	
M.7.3.4	Ventilation test – alternative 3	a at at text	N/A	
1/1/2	Hydrogen gas concentration (%):	in with the Me of	N/A	
M.7.4	Marking:	- CH TEH TEH C	N/A	
M.8	Protection against internal ignition from external spark sources of batteries with aqueous electrolyte		N/A	
M.8.1	General	Write White Whit Whi	N/A	
M.8.2	Test method	a state of the	N/A	
M.8.2.1	General	LIFE WALL WALL WALL V	N/A	
M.8.2.2	Estimation of hypothetical volume V_Z (m ³ /s):	at the fift.	Ser J	
M.8.2.3	Correction factors:	MULL MULL MILL M	-20.	
M.8.2.4	Calculation of distance d (mm)	at at the st		



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	EN IEC 62368-	1. The walk walk walk	
Clause	Requirement – Test	Result – Remark	Verdict
Mr	W. W. J.	ite with white out an	V. 711.
M.9	Preventing electrolyte spillage		N/A
M.9.1	Protection from electrolyte spillage	NITER WITH WALL WALL WALL	N/A
M.9.2	Tray for preventing electrolyte spillage		N/A
M.10	Instructions to prevent reasonably foreseeable misuse	ALTER WILLE WALL WALL	N/A
	Instructional safeguard:	TEX SLIER BLIEF WALTER	N/A
N C	ELECTROCHEMICAL POTENTIALS	701 - 70 - 7	N/A
MULL	Material(s) used:	ALTER MITER MALTE WA	r vier
0 /	MEASUREMENT OF CREEPAGE DISTANCES A	ND CLEARANCES	N/A
no m	Value of X (mm)	RITER WALTER WALTE WALTE	71/2
Pat d	SAFEGUARDS AGAINST CONDUCTIVE OBJECT	TS L	N/A
P.1	General	Only PS1 circuits	N/A
P.2	Safeguards against entry or consequences of e	entry of a foreign object	N/A
P.2.1	General	with any any a	N/A
P.2.2	Safeguards against entry of a foreign object	at at the s	N/A
111 1	Location and Dimensions (mm):	They are my my	
P.2.3	Safeguards against the consequences of entry of a foreign object	THE MILITER WHITE	N/A
P.2.3.1	Safeguard requirements	the The	N/A
f 164	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment	the man was and	N/A
m.	Transportable equipment with metalized plastic parts	MALTE MILLE WALL W	N/A
P.2.3.2	Consequence of entry test	THE STEE WITH WAL	N/A
P.3	Safeguards against spillage of internal liquids		N/A
P.3.1	General	No such liquids.	N/A
P.3.2	Determination of spillage consequences	1	N/A
P.3.3	Spillage safeguards	THE RESERVE WALTER WALTER	N/A
P.3.4	Compliance	the state of	N/A
P.4	Metallized coatings and adhesives securing pa	rts out only on	N/A
P.4.1	General	No such construction.	N/A
P.4.2	Tests	WHITE WALL WALL WALL	N/A
TEK JE	Conditioning, T _C (°C):	the state of the	JEK
2/2	Duration (weeks):	LIE MALL WALL WILL	1,
Q J	CIRCUITS INTENDED FOR INTERCONNECTION	WITH BUILDING WIRING	NO R.
Q.1	Limited power sources	See appended table Annex Q.1	P



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	EN IEC 62368-	2, 41, 72, 7,	y
Clause	Requirement – Test	Result – Remark	Verdict
- w	The state of the state of	E. Wille Mills Wer Mu	- 411
Q.1.1	Requirements		Р
1/15 1/	a) Inherently limited output	WILL MILL MILL MULL	N/A
Set S	b) Impedance limited output	the state of the	Р
	c) Regulating network limited output	A regulating network limits the output in compliance with table Q.1 both under normal operating conditions and after any single fault.	on P
Whin.	d) Overcurrent protective device limited output	t lifet milet mile mil	N/A
J.	e) IC current limiter complying with G.9	An an a	N/A
Q.1.2	Test method and compliance:	See appended table Annex Q.1	WAL P
iii wai	Current rating of overcurrent protective device (A)	See appended table Annex Q.1	P
Q.2	Test for external circuits – paired conductor cable	No such circuit for connection to the EUT	N/A
A Est	Maximum output current (A):	the state of	N/A
	Current limiting method:	WHILE MULL MULL MULL	24
R	LIMITED SHORT CIRCUIT TEST	At JER JER	N/A
R.1	General	No such consideration.	N/A
R.2	Test setup		N/A
10.	Overcurrent protective device for test:	is mur mur any	
R.3	Test method	t tet tet atter a	N/A
- L	Cord/cable used for test	me me me	
R.4	Compliance	THE LITTER STIFF MALTE	N/A
S	TESTS FOR RESISTANCE TO HEAT AND FIRE	The the the	N/A
S.1	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W		N/A
	Samples, material:	Et itet liet witer	CTE 101
, (Wall thickness (mm):	the the second	4 -
MACIE	Conditioning (°C)	- LIEY NLIER MITE MILE	MALI
attet is	Test flame according to IEC 60695-11-5 with conditions as set out	THE THE LIFE NEEDS	N/A
	- Material not consumed completely	me me me	N/A
TE WILL	- Material extinguishes within 30s	TEX STEX STEX REST.	N/A
	- No burning of layer or wrapping tissue	24. 24. 20.	N/A
S.2	Flammability test for fire enclosure and fire bar	rier integrity	N/A
*	Samples, material:	Mr. 20, 2, 2,	(, ,)
arei a	Wall thickness (mm)	TEL STEE STEELS	WE



EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
The.	THE THE THE THE	the write water out and	201	
	Conditioning (°C)		5 Jel	
S.3	Flammability test for the bottom of a fire enclose	sure in the sure	N/A	
S.3.1	Mounting of samples	in the state of	N/A	
S.3.2	Test method and compliance	Will awre mer much	N/A	
Et JE	Mounting of samples:	a at at test	JEK-	
an.	Wall thickness (mm):	it with mir and	n	
S.4	Flammability classification of materials	t at tex sex	N/A	
S.5	Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W	whi with white white	N/A	
d i	Samples, material:	M. M. A.	- LI-	
ry and	Wall thickness (mm)	LIER RETER WITE WHILE	1 1 - C	
y	Conditioning (°C):		(et -	
T 700	MECHANICAL STRENGTH TESTS		Р	
T.1	General		P.	
T.2	Steady force test, 10 N:	(See appended table T.2)	411 P	
T.3	Steady force test, 30 N:	At The ST	N/A	
T.4	Steady force test, 100 N:	2 The sh	N/A	
T.5	Steady force test, 250 N:	(See appended table T.5)	TE P	
T.6	Enclosure impact test	(See appended table T.6)	Р	
CLIFER	Fall test	t tet tet little	o P∫	
- ° '	Swing test	Mr. Mr. Mr. A.	Р	
T.7	Drop test:	(See appended table T.7)	N/P	
T.8	Stress relief test:	(See appended table T.8)	N/A	
T.9	Glass Impact Test:	No such glass	N/A	
T.10	Glass fragmentation test	a at at	N/A	
'm'	Number of particles counted:	No such glass	N/A	
T.11	Test for telescoping or rod antennas	e of the set of	N/A	
TEH	Torque value (Nm):	No such antennas provided within the equipment.	N/A	
Ú V	MECHANICAL STRENGTH OF CATHODE RAY T	TUBES (CRT) AND	N/A	



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20,	EN IEC 62368-	the way was all	20, 20,
Clause	Requirement – Test	Result – Remark	Verdict
· ch	Internation of Accessive Paper	the tip will mer in	1 1/0
V	DETERMINATION OF ACCESSIBLE PARTS		N/A
V.1	Accessible parts of equipment		N/A
V.1.1	General		N/A
V.1.2	Surfaces and openings tested with jointed test probes	With Murit and Mark	N/A
V.1.3	Openings tested with straight unjointed test probes	THE STIFF WITTER WITTER	N/A
V.1.4	Plugs, jacks, connectors tested with blunt probe	711 211	N/A
V.1.5	Slot openings tested with wedge probe	L SLIER WITE WALLE WA	N/A
V.1.6	Terminals tested with rigid test wire	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
V.2	Accessible part criterion	CLIEB WILL WALL WILL	N/A
X EX WALL	ALTERNATIVE METHOD FOR DETERMINING CL INSULATION IN CIRCUITS CONNECTED TO AN 420 V PEAK (300 V RMS)		N/A
ik nlife.	Clearance:	et tet tet tilt i	N/A
Υ	CONSTRUCTION REQUIREMENTS FOR OUTDO	OR ENCLOSURES	N/A
Y.1	General	Indoor equipment	N/A
Y.2	Resistance to UV radiation	The sure sure	N/A
Y.3	Resistance to corrosion	At CALIFE MITE	N/A
Y.3	Resistance to corrosion		N/A
Y.3.1	Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by:	TE MILIE WALL WALLE V	N/A
Y.3.2	Test apparatus	t tet tet tiet it	N/A
Y.3.3	Water – saturated sulphur dioxide atmosphere	The the the in	N/A
Y.3.4	Test procedure:	THE THE LITTER OUT	N/A
Y.3.5	Compliance	me, me me on	N/A
Y.4	Gaskets	TEX STEX NUTER MUTER	N/A
Y.4.1	General	1 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/	N/A
Y.4.2	Gasket tests	EL STEE STEE WITE OF	N/A
Y.4.3	Tensile strength and elongation tests	200 10 10 10	N/A
WILL V	Alternative test methods:	- LIET NLIE MLIE MA	N/A
Y.4.4	Compression test	711, 21, 72	N/A
Y.4.5	Oil resistance	OLIFE WILL NOTE WALL	N/A
Y.4.6	Securing means		N/A
Y.5	Protection of equipment within an outdoor enclo	osure	N/A
Y.5.1	General	1 1 1 1	N/A
Y.5.2	Protection from moisture	The work with the	N/A



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Clause	Requirement – Test	Result – Remark	Verdict	
ale.	All All All	THE ALL NEW JAN	The The	
Y.5.3	Water spray test	Mr. M. M.	N/A	
Y.5.4	Protection from plants and vermin	LIER ALIER MILE WALLE	N/A	
Y.5.5	Protection from excessive dust	h. 20, 2, 4	N/A	
Y.5.5.1	General	TER STEE WITE WALL OF	N/A	
Y.5.5.2	IP5X equipment		N/A	
Y.5.5.3	IP6X equipment	er while many man	N/A	
Y.6	Mechanical strength of enclosures	L A ST A	N/A	
Y.6.1	General	with white whi	N/A	
Y.6.2	Impact test	i de de de	N/A	





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EN IEC			EN IEC 62368-1	NITE WALTER WALTER	Min Min
	Clause	Requirement – Test	Result	t – 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)	lifer with while and	Р
Whitek	Clause numbers in the cells that are shaded light g IEC 62368-1:2020+A11:2020. All other clause num those in the paragraph below, refers to IEC 62368-Clauses, subclauses, notes, tables, figures and any those in IEC 62368-1:2018 are prefixed "Z".	bers in that column, except for 1:2018.	Pre
TEX MILIER	Add the following annexes: Annex ZA (normative)Normative references to interr corresponding European publications Annex ZB (normative)Special national conditions Annex ZC (informative)A-deviations Annex ZD (informative)IEC and CENELEC code des	THE WATE WALLE WAS	PW SEE WALE
1	Modification to Clause 3.		N/A
3.3.19	Sound exposure Replace 3.3.19 of IEC 62368-1 with the following d	lefinitions:	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



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EN IEC 62368-1

Clause	Requirement – Test	Result – Remark	Verdict
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 Pa ² s.	ownited whited whiteld a	N/A
rek unitek Lek unitek	$E = \int_{0}^{T} p(t)^{2} dt$	EX MUTEX MUTEX MUTE	MUSTER MUSTER
3.3.19.4	sound exposure level, SEL	OLITE MALIE MALIE	N/A
MULTER ON	logarithmic measure of sound exposure relative to a reference value, E_0 , typically the 1 kHz threshold of hearing in humans.	MILIER WALLER WHITER W	TIEK MUTEK M
LIEK WALIF	Note 1 to entry: SEL is measured as A-weighted levels in dB.	TEX WATER WATER WAT	EX WALL
WALLEY EX	$SEL = 10 \lg \left(\frac{E}{E_0}\right) dB$	Multer uniter uniter	WALLEY WHITEK
WUTT W	Note 2 to entry: See B.4 of EN 50332-3:2017 for additional information.	WALTER WALTER WALTER V	ivrie ani. A
3.3.19.5	digital signal level relative to full scale, dBFS	ALL THE STATE OF	N/A
TEK WALTE	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	THE WALL WILL WILL	H WASER WHITE
Murites Au	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.	NATER WHITE WALL	WATER WATER ON
2	Modification to Clause 10		N/A
10.6	Safeguards against acoustic energy sources Replace 10.6 of IEC 62368-1 with the following:	ni uni un un	N/A
10.6.1.1	Introduction Safeguard requirements for protection against long-term exposure to excessive sound pressure levels from personal music players closely coupled to the ear are specified below. Requirements for 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: - is designed to allow the user to listen to audio or audiovisual content / material; and - uses a listening device, such as headphones or earphones that can be worn in or on or	NUTER WHITER WHITER WA	N/A MILIER M



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
Mrs	The state of	er with out on	The The
	- has a player that can be body worn (of a size suitable to be carried in a clothing pocket) and is intended for the user to walk around with while in continuous use (for example, on a street, in a subway, at an airport, etc.).	anties whites whites	MILIER MILIER
	EXAMPLES Portable CD players, MP3 audio players, mobile phones with MP3 type features, PDAs or similar equipment.	write white will we	
	Personal music players shall comply with the requirements of either 10.6.2 or 10.6.3.	set while while whi	WAL THE
	NOTE 1 Protection against acoustic energy sources from telecom applications is referenced to ITU-T P.360.	White white white	Mur, Aur
	NOTE 2 It is the intention of the Committee to allow the alternative methods for now, but to only use the dose measurement method as given in 10.6.5 in future. Therefore, manufacturers are encouraged to implement 10.6.5 as soon as possible.	TEK WILLER WALTER WA	urit miles on
	Listening devices sold separately shall comply with the requirements of 10.6.6. These requirements are valid for music or video	MUNITER WALTER WALTE	* while while
	mode only. The requirements do not apply to: – professional equipment;	Whitek Whitek Whitek	MULIER MILIE
	NOTE 3Professional equipment is equipment sold through special sales channels. All products sold through normal electronics stores are considered not to be professional equipment.	The first of	et witet wa
	 hearing aid equipment and other devices for assistive listening; 	the mit was all	- Life Mire
	 the following type of analogue personal music players: long distance radio receiver (for example, a 	MULL MULL MU	THE TEX
	multiband radio receiver or world band radio receiver, an AM radio receiver), and • cassette player/recorder;	MULTER MAITE MALTE	TEX TEX
	NOTE 4 This exemption has been allowed because this technology is falling out of use and it is expected that within a few years it will no longer exist. This exemption will not be extended to other technologies.	neter while while whi	ik mirilik muri
	 a player while connected to an external amplifier that does not allow the user to walk around while in use. 	MULTER MULTER MULTER	WHITE WILTER
	For equipment that is clearly designed or intended primarily for use by children, the limits of the relevant toy standards may apply.	CATER MATTER MATTER OF	NITER WIFE
WALTER	The relevant requirements are given in EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	et with white while	t while while
10.6.1.2	Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz	at at let	N/A



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11/2	EN IEC 62368-1	LIEF MILITE MILL WILL	The this
Clause	Requirement – Test	Result – Remark	Verdict
Mes	M. M. The The The	The south of the same of	no m
	The amount of non-ionizing radiation is regulated	20 4	at at
	by European Council Recommendation	Let Just Just of	Little William
	1999/519/EC of 12 July 1999 on the limitation of	WELL MUE MUE MI	2,
	exposure of the general public to electromagnetic	27	L It
	fields (0 Hz to 300 GHz).	LIKE THE THE CITY	
	For intentional radiators, ICNIRP guidelines should	ser were were when	7, 2,
	be taken into account for Limiting Exposure to		A
	Time-Varying Electric, Magnetic, and	at the the	
	Electromagnetic Fields (up to 300 GHz). For hand-	with the the	70, 72,
	held and body mounted devices, attention is		14 14
	drawn to EN 50360 and EN 50566.	. It see see	are and
10.6.2	Classification of devices without the capacity to	estimate sound dose	N/A
10.6.2.1	General	Not such equipment	N/A
	This standard is transitioning from short-term	write with which when	20, 0
	based (30 s) requirements to long-term based (40		L st
	hour) requirements. These clauses remain in	at let tet to	10 22 10
	effect only for devices that do not comply with	it with the three	20 20
	sound dose estimation as stipulated in EN 50332-		A 18
	3. 10 10 10 10	IF THE THE STEEL	WILL WILL
	The state with the state of the state of	MUT. MUT. MIL.	2, 4
	For classifying the acoustic output L_{Aeq} , τ ,	A A A	All The
	measurements are based on the A-weighted	THE STATE WITH M	Tr. Mer.
	equivalent sound pressure level over a 30 s	14. 14. 24. 24.	
	period.	At a set of	ER LIER O
	For music where the average sound pressure	" With Augh	20, 11,
	(long term $LAeq, \tau$) measured over the duration of		. 1
	the song is lower than the average produced by	The state of the s	
	the programme simulation noise, measurements	in the Mer All	24
	may be done over the duration of the complete		J- J-
	song. In this case, T becomes the duration of the	- LEK SEE STEE	alie and
	song.	are are are a	1, 2,
	The other the with me me in an	4	14 18th
	NOTE Classical music, acoustic music and broadcast typically	THE STEE STEE OF	The William
	has an average sound pressure (long term $L_{Aeq,7}$) which is	were the me in	
	much lower than the average programme simulation noise. Therefore, if the player is capable to analyse the content and		t lit
	compare it with the programme simulation noise, the warning	THE THE LITE WITH	The sale
	does not need to be given as long as the average sound	in the me m	
	pressure of the song does not exceed the required limit.	1 1	1 to 1
	For example, if the player is set with the programme simulation noise to 85 dB, but the average music level of the song is only	it life life with	are are
	65 dB, there is no need to give a warning or ask an	The Mr. M.	
	acknowledgement as long as the average sound level of the song is not above the basic limit of 85 dB.	A A A	ITEN ITEN
10.6.2.2	RS1 limits (to be superseded, see 10.6.3.2)	JULIE WHILE WAS IN	N/A
TEX.	I THE WITE MILL MY WITE AND THE	a de de	Et JEK
	RS1 is a class 1 acoustic energy source that does	TITE MITE WILL WAL	11, 11
	not exceed the following:	1, 2, 2,	
	 for equipment provided as a package (player 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	with its listening device), and with a proprietary	The mile will write	211 211
	connector between the player and its listening	20, 20,	L 2
	device, or where the combination of player and	t it it it	The Street
	listening device is known by other means such as	" NITE WILL WALL	715
	setting or automatic detection, the L_{Aeq} , τ acoustic	20, 20, 2	4 1
	output shall be ≤ 85 dB when playing the fixed	at at the	The Street
	"programme simulation noise" described in EN	The Way out on	20.



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- 0,	EN IEC 62368-1	- 40 - 70 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -	0, 7
Clause	Requirement – Test	Result – Remark	Verdict
ale.	Mr. Mr. J. A. Aller J.	er all mil and	me me
	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.	JUNITER WHITER WHITER WALLER	NITER WILLER
10.6.2.3	RS2 limits (to be superseded, see 10.6.3.3)	STEET MITER WALLER	N/A
UNLIEK WILLER WINLIEK	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 LAeq, τ acoustic output shall be ≤ 100 dB(A) when playing the fixed "programme simulation noise" as described in EN 50332-1. — for equipment provided with a standardized 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.		ETEK JULIEK JULI
10.6.2.4	RS3 limits RS3 is a class 3 acoustic energy source that	MULTER WALTER WALLE	N/A
10 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	exceeds RS2 limits.	Lifet Willey William	Lite Mile
10.6.3	Classification of devices (new)	24 24 12 12 12 1	N/A
10.6.3.1	General Previous limits (10.6.2) created abundant false negative and false positive PMP sound level warnings. New limits, compliant with The Commission Decision of 23 June 2009, are given below.	Not such equipment	N/A
	RS1 limits (new) 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, ⊤acoustic output shall be ≤ 80 dB when playing the fixed "programme simulation noise" described in EN 50332-1. — for equipment provided with a standardized	JUNITER WHITE WHITE WALLEY WAL	IN N/A I LET IN LEET WHILE SUPLIFIES WHILE SUPLIFIES



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	EN IEC 62368-1	- 41 - 71 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
Clause	Requirement – Test	Result – Remark	Verdict
alle	The the tent of	ER STILL WILL MALL	me me
	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.	whitek whitek whitek w	Mitel Whitel
10.6.3.3	RS2 limits (new)	in the in the	N/A
WINLIEK WILLER	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 where the combination of player and listening device is known by other means such as setting or automatic detection, the weekly sound exposure level, as described in EN 50332-3, shall be ≤ 80 dB when playing the fixed "programme simulation noise" described in EN 50332-1. — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output level, integrated over one week, as described in EN50332-3, shall be ≤ 15 mV (analogue interface) or -30 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN50332-1.	THE WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER W	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 EN 50332-1 or EN 50332-2 as applicable.	Not such equipment	N/A
10.6.4.2	Protection of persons	'n a .	N/A
	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.	EX JUNE TEX WHITEK WHIT	white white white was the same
	The elements of the instructional safeguard shall be as follows:	mr mr m	74 CX



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-20,	EN IEC 62368-1	in the way of	20. 2.
Clause	Requirement – Test	Result – Remark	Verdict
The s		att met and	ape ap
	 element 1a: the symbol , IEC 60417-6044 (2011-01) element 2: "High sound pressure" or equivalent wording element 3: "Hearing damage risk" or equivalent wording 	Whitek whitek whitek whi	ALTER WALTER
	 element 4: "Do not listen at high volume levels for long periods." or equivalent wording 	er write write mur	Mrs. Mus.
	An equipment safeguard shall prevent exposure of an ordinary person to an RS2 source without intentional physical action from the ordinary person and shall automatically return to an output level not exceeding what is specified for an RS1 source when the power is switched off.	Whitek whitek whitek wh	ANTE ANTIEK
	The equipment shall provide a means to actively inform the user of the increased sound level when the equipment is operated with an output exceeding RS1. Any means used shall be acknowledged by the user before activating a mode of operation which allows for an output exceeding RS1. The acknowledgement does not need to be repeated more than once every 20 h of cumulative listening time.	The world with the whitek whit	Whitek Whitek
	NOTE 2 Examples of means include visual or audible signals. Action from the user is always needed.	TE WILL WILL WILLE	MULTER WAL
	NOTE 3 The 20 h listening time is the accumulative listening time, independent of how often and how long the personal music player has been switched off.	LANGER WALTER WALTER	WILLE AWILE
UNLTEK NI	A skilled person shall not be unintentionally exposed to RS3.	TEX STEX STEX	LIEK WALTER
10.6.5	Requirements for dose-based systems		N/A
0.6.5.1	General requirements	Not such equipment	N/A
	Personal music players shall give the warnings as provided below when tested according to EN 50332-3, using the limits from this clause.	ist white whitek whitek	while while
	The manufacturer may offer optional settings to allow the users to modify when and how they wish to receive the notifications and warnings to promote a better user experience without defeating the safeguards. This allows the users to be informed in a method that best meets their physical capabilities and device usage needs. If such optional settings are offered, an administrator	Whitek whitek whitek white	UNITED WINLIES
	(for example, parental restrictions, business/educational administrators, etc.) shall be able to lock any optional settings into a specific configuration.	MULTER WHITER WHITER	white white



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	EN IEC 62368-1		2, 1
Clause	Requirement – Test	Result – Remark	Verdict
Mer	easy to understand explanation to the user of the	White white whi	mr m
	dose management system, the risks involved, and how to use the system safely. The user shall be made aware that other sources may significantly contribute to their sound exposure, for example work, transportation, concerts, clubs, cinema, car	Whitek whitek whitek w	ALTER WILTER
	races, etc.	- "" " " " " " " " " " " " " " " " " "	
	Dose-based warning and requirements When a dose of 100 % CSD is reached, and at least at every 100 % further increase of CSD, the device shall warn the user and require an acknowledgement. In case the user does not acknowledge, the output level shall automatically decrease to compliance with class RS1.	Whitek whitek whitek	N/A
	The warning shall at least clearly indicate that listening above 100 % <i>CSD</i> leads to the risk of hearing damage or loss.	TEX MITTER MITTER MITTER	ex uncles un
0.6.5.3	Exposure-based requirements	the set of the	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.	white white whitek w	ANTER WALTER
	The exposure-based limiter (EL) shall		t et .
	automatically reduce the sound level not to exceed 100 dB(A) or 150 mV integrated over the past 180 s, based on methodology defined in EN 50332-3. The EL settling time (time from starting level reduction to reaching target output) shall be 10 s or faster.	White white white	und until untile untile
	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.	UNLIE WALTER WALTER	ex white whi
NITEK IN	NOTE In case the source is known not to be music (or test signal), the EL may be disabled.	at let telt a	TEX NITEX
10.6.6	Requirements for listening devices (headphone	s, earphones, etc.)	N/A
10.6.6.1	Corded listening devices with analogue input With 94 dB LAeq acoustic 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	Not such equipment	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
"Ne"	WITH THE THE THE	Life out with	and an
	output, the input voltage of the listening device when playing the fixed "programme simulation noise" as described in EN 50332-1 shall be ≥ 75 mV. NOTE The values of 94 dB and 75 mV correspond with 85 dB and 27 mV or 100 dB and 150 mV.	Whitek whitek whitek	unitek whitek wh
10.6.6.2	Corded listening devices with digital input	1 1 1 1	N/A
Whitek Whitek Whitek White	With any playing device playing the fixed "programme simulation noise" described in EN 50332-1, and with the volume and sound settings in the listening device (for example, built-in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the ∠Aeq, ⊤acoustic output of the listening device shall be ≤ 100 dB with an input signal of -10 dBFS.	TER WHITER WHITER WHITER	White whitek
10.6.6.3	Cordless listening devices	1 1 1 1	N/A
WALTER WATTER WATTER WATTER WATTER WALTER WATTER WATTER WATTER WATTER WATTER WATTER WATTER WATTER WA	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, τ acoustic output of the listening device shall be ≤ 100 dB with an input signal of -10 dBFS.	Whitek	White
10.6.6.4	Measurement method Measurements shall be made in accordance with	iner mer ing	N/A
ite wit	EN 50332-2 as applicable.	TEX LIEX OLIER OF	Ite Will Mur
3	Modification to the whole document		Р



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4		, . ago	
in the	M. W.	EN IEC 62368-1	mer m
Clause	Requirement – Test	Result – Remark	Verdict

	lis		country note	s in the refe	rience docume	nt according	to the following	in
	, E -	0.2.1	Note 1 and 2	1	Note 4 and 5	3.3.8.1	Note 2	200
	u,	3.3.8.3	Note 1	4.1.15	Note	4.7.3	Note 1 and 2	N.
	e* W	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	EX
		5.4.2.3.2.4	Note 2	5.4.2.5	Note 2	5.4.5.1	Note	
	m.	Table 13						21
	MITE	5.4.10.2.1	Note	5.4.10.2.2	Note	5.4.10.2.3	Note	JA Ú
	TEK S	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3 and 4	CT EX
	* "L	5.6.8	Note 2	5.7.6	Note	5.7.7.1	Note 1 and Note 2	*
	W. I.	8.5.4.2.3	Note	10.2.1 Table 39	Note 3 and 4 and 5	10.5.3	Note 2	ur.
	Clo.	10.6.1	Note 3	F.3.3.6	Note 3	Y.4.1	Note	
	7F /	Y.4.5	Note				2	
N		7.			AT AT		V 10 01	See.
	M	odification	to Clause 1					
L	NO ele		ving note: e of certain substa ent is restricted w			MUTER MUT	e white white	ı,
		odification t	to 4 71					



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Clause	Requirement – Test	Result – Remark	Verdict
The 1	all the state of	THE WALL WALL WALL WALL	ah.
4.Z1 JUNITER WILLER WINLIER WINLIER	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. If reliance is placed on protection in the building installation, the installation instructions shall so state, except that for pluggable equipment type A the building installation shall be regarded as providing protection in accordance with the rating of the wall socket outlet.	a start of	N/A WA WA WA WA WA WA WA WA WA
<u>6</u>	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		
- Silver	White the state of	White Multi Will	The An		
10.5.1	Add the following after the first paragraph: For RS 1 compliance is checked by measurement under the following conditions:	dintifes dintifes dintifes	M/A		
	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.	LITER WHITER WHITER WHITER	iter white white		
	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.	MILER MALTER MALTER O	niter with a		
	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.	TEX WILLEX WILLEX WIL	TER WY TE WY.		
	Moreover, the measurement shall be made under fault conditions causing an increase of the high voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made.	Whitek whitek whitek	Whitek Whitek		
	For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level.	in the wife with	EX WALLEY WAL		
t JEX	NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996.	The left left	TE ALTE		
9	Modification to G.7.1		N/A		
G.7.1	Add the following note:	at alt alt	N/A		
11, 11,	NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in Annex ZD.	mile mile mul	10. 10.		
10	Modification to Bibliography		Р		



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The substitute of the substitu	Mrs. Mrs. All.	EN IEC 62368-1	IE MITE WALTER WA	The Mail Mile
Clause	Requirement – Test	West Albert The Tay	Result – Remark	Verdict

- silv	THE THE NUT WILL WITH THE THE MET WITH THE TANK	2112
At .	Add the following notes for the standards indicated:	P-
WINLY WAS	IEC 60130-9 NOTE Harmonized as EN 60130-9. IEC 60269-2 NOTE Harmonized as HD 60269-2. IEC 60309-1 NOTE Harmonized as EN 60309-1. IEC 60364 NOTE some parts harmonized in HD 384/HD 60364 series. IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4. IEC 60664-5 NOTE Harmonized as EN 60664-5. IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified). IEC 61508-1 NOTE Harmonized as EN 61558-2-1. IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1. IEC 61558-2-6 NOTE Harmonized as EN 61558-2-6. IEC 61643-1 NOTE Harmonized as EN 61643-1. IEC 61643-21 NOTE Harmonized as EN 61643-1. IEC 61643-311 NOTE Harmonized as EN 61643-311. IEC 61643-321 NOTE Harmonized as EN 61643-311. IEC 61643-331 NOTE Harmonized as EN 61643-321. IEC 61643-331 NOTE Harmonized as EN 61643-331.	WILLER WILLER WILLER WILLER WILLER WILLER WILLER WILLER WILLER
11	ADDITION OF ANNEXES	P
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)	Р
4.1.15	Denmark, Finland, Norway and Sweden Not directly connected to the	N/A
INC. JUNITES WAS TEST WALTEST WANTEST WANTEST WALTEST WALTEST WALTEST WANTEST	To the end of the subclause the following is added: Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet. The marking text in the applicable countries shall be as follows: In Denmark: "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til stikproppens jord." In Finland: "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan" In Norway: "Apparatet må tilkoples jordet stikkontakt" In Sweden: "Apparaten skall anslutas till jordat uttag"	THE WALTER WA
4.7.3	United Kingdom To the end of the subclause the following is added: The torque test is performed using a socket-outlet complying with BS 1363, and the plug part shall be assessed to the relevant clauses of BS 1363. Also see Annex G.4.2 of this annex	N/A TE



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Lite Milita	The me on the	EN IEC 62368-1	Villa Alleria
Clause	Requirement – Test	Result – Remark	Verdict

5.2.2.2	Denmark	No high touch current	N/A
	After the 2nd paragraph add the following:	measured.	MILLE
	the set of the set of the set of	The Me in w	
	A warning (marking safeguard) for high touch current is required if the touch current exceeds the	It It Tet Tet	LIFE OF
	limits of 3,5 mA a.c. or 10 mA d.c.	The while and while	7, 2,
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:	ex multiply with mill w	er iek
	For separation of the telecommunication network from earth the following is applicable:	white white whit whi	- JIEN
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	Writer Marie Marie Marie	TEX V
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	THE WATE WALL WALL Y	
	one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	White white white wh	ek whilek
	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	Mar willer whiter	WALTER W
	completely filling the casing, so that clearances and creepage distances do not exist, if the component passes the electric strength test in accordance with the compliance clause below and in addition	Whitek whitek whitek wh	ie mute
	passes the tests and inspection criteria of 5.4.8 with an electric strength test of 1,5 kV multiplied by 1,6 (the electric strength test of 5.4.9 shall be performed using 1,5 kV),	Whitek whitek whitek whitek	MITER.
	and	at the that the	
	is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5 kV.	Whitek Whitek whitek whi	EX WHITEX
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	NITER MULTER MULTER	JALTEK V
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	tek online online o	
	the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3	TEX TEX STEX WITE	* NUTER



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-2,	EN IEC 62368-1	Comment of the same		
Clause	Requirement – Test	Result – Remark	Verdict	
WITEK (testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;	et ret ret	TEX VILEY	
	the additional testing shall be performed on all the test specimens as described in EN 60384- 14;	MULTER WHILE WHITER WHI	TEK WATER W	
ek walter	the impulse test of 2,5 kV is to be performed before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14.	EX WHITEK WHITEK WHITE	White whit	
5.5.2.1	Norway	TEK LIEK SLIEK	N/A	
	After the 3rd paragraph the following is added:	mer mer m	T	
	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	MILER WALTER WALTER W	er ter	
5.5.6	Finland, Norway and Sweden	No such resistors.	N/A	
	To the end of the subclause the following is added:	A still nited south	MALT WALTE	
	Resistors used as basic safeguard or bridging basic insulation in class I pluggable equipment type A shall comply with G.10.1 and the test of G.10.2.	Whitek Whitek Whitek	WHITEK WHITEK	
5.6.1	Denmark	No such equipment.	N/A	
5.6.1 Junite	Add to the end of the subclause Due to many existing installations where the socket-outlets can be protected with fuses with higher rating than the rating of the socket-outlets the protection for pluggable equipment type A shall be an integral part of the equipment. Justification:	THE WALTER WALTER WALTER	White white	
	In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	UNITER WALTER WALTER W	NLTER MILITE	
5.6.4.2.1	Ireland and United Kingdom	at at at a	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.	EX MULTER MULTER MULTE	white white	
5.6.4.2.1	France	Alt Set Set	N/A	
Uler Au	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.	white white white wh		
5.6.5.1	To the second paragraph the following is added:	The Will Much Aug	N/A	
	The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is: 1,25 mm ² to 1,5 mm ² in cross-sectional area.	MUNITER WALTER	White white	



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40 3		30 1 30 1 3 1 3	
10 m		EN IEC 62368-1	
Clause	Requirement – Test	Result – Remark	Verdict

2/1/2	M W The State of	THE WALL WALL WALL WALL	an.
5.6.8	Norway	" + A	P
	To the end of the subclause the following is added:	WALTER WALTER WALTER WALTER	Mary M
	Equipment connected with an earthed mains plug is classified as class I equipment . See the	TEX STEX STEX SISTEM SINGLES	ALTEK WALT
iest antie	Norway marking requirement in 4.1.15. The symbol IEC 60417-6092, as specified in F.3.6.2, is accepted.	it tilt tillt millit mi	ek walter
5.7.6	Denmark	Mr. In 20,	P
	To the end of the subclause the following is added:	Whitek Whitek Whitek White	MULTE
MATER W	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.	Mites Whites Whites Whites	ingie, in
5.7.6.2	Denmark	TEX SITES SLIFES WITH SWITE SW	P.I
	To the end of the subclause the following is added:		et liet
	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.		WILLER OF
5.7.7.1	Norway and Sweden	Not such system.	N/A
	To the end of the subclause the following is added: The screen of the television distribution system is normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building. Therefore the protective earthing of the building installation needs to be isolated from the screen of a cable distribution system. It is however accepted to provide the insulation	THE MILITER MILITER OF THE MILITER O	ALTER WALTER WALTER WALTER
	external to the equipment by an adapter or an interconnection cable with galvanic isolator, which may be provided by a retailer, for example.	TEX MUTER MUTER MUTER W	erek _M uri
	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:	MULTER WHITER WHITER WHITE	MULIER MULIER
	"Apparatus connected to the protective earthing of the building installation through the mains connection or through other apparatus with a connection to protective earthing –	WALL WALLEY WALLEY WALLEY	INLIEK WA
LIEK VINLI K	and to a television distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a television distribution system therefore has to be provided	tek varitek watek var	TEX WHITE
	through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11)"	TEK TEK STEK MITEK	Whitek W
2,	NOTE In Norway, due to regulation for CATV-installations, and	are the the	



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211	EN IEC 62368-1	it with white and	1. 20.
Clause	Requirement – Test	Result – Remark	Verdict
Mill	an air air is	ALTER MILE MALLE MA	7117
	in Sweden, a galvanic isolator shall provide electrical insulation below 5 MHz. The insulation shall withstand a dielectric strength of 1,5 kV r.m.s., 50 Hz or 60 Hz, for 1 min.	WITER WITER WITER WHITE	MUTER
	Translation to Norwegian (the Swedish text will also be accepted in Norway):	riet wriet writes writes	MALTEK W
	"Apparater som er koplet til beskyttelsesjord via nettplugg og/eller via annet jordtilkoplet utstyr – og er tilkoplet et koaksialbasert kabel-TV nett, kan forårsake brannfare. For å unngå dette skal det ved tilkopling av apparater til kabel-TV nett installeres en galvanisk isolator mellom apparatet og kabel-TV nettet."	MULIER MULIER MULIER M	E WALTER
	Translation to Swedish: "Apparater som är kopplad till skyddsjord via jordat vägguttag och/eller via annan utrustning och samtidigt är kopplad till kabel-TV nät kan i vissa fall medföra risk för brand. För att undvika detta skall vid anslutning av apparaten till kabel-TV nät galvanisk isolator finnas mellan apparaten och kabel-TV nätet."	Intex multer water water water	un itek wa itek waite
8.5.4.2.3	United Kingdom	No external circuits.	N/A
	Add the following after the 2 nd dash bullet in 3 rd paragraph: An emergency stop system complying with the requirements of IEC 60204-1 and ISO 13850 is required where there is a risk of personal injury.	white whites	whitek w
B.3.1 and	Ireland and United Kingdom	Not directly connected to the	N/A
B.4 China	The following is applicable: To protect against excessive currents and short-circuits in the primary circuit of direct plug-in equipment , tests according to Annexes B.3.1 and B.4 shall be conducted using an external miniature circuit breaker complying with EN 60898-1, Type B, rated 32A. If the equipment does not pass these tests, suitable protective devices shall be included as an integral part of the direct plug-in equipment , until the requirements of Annexes B.3.1 and B.4 are met	mains white	t united out the same of the s
G.4.2	Denmark	Not directly connected to the	N/A
	To the end of the subclause the following is added: Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011. CLASS LECUIPMENT provided with socket-	mains NITE WALTER WALTER WALTER TER WALTER WALTER WALTER TER WALTER WALTER WALTER TER WALTER WALTER WALTER TO THE WALTER WALTER WALTER WALTER TO THE WALTER WALT WALTER WAL	MATER WAS
NUTEK N	CLASS I EQUIPMENT provided with socket- outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring	White white white	* WALTER



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20,	EN IEC 62368-1	in the state of	1 0
Clause	Requirement – Test	Result – Remark	Verdict
alle	The the the the	the settle with which whi	200
	rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	TEX TIEX STEX MITE	MALTER
	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.	tirek whitek whitek whitek	or street out
	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.	Whitek whitek whitek whitek	E WILLER
	Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c.	TEX MUTER MUTER MUTER	in item
	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	MULTER WALTER WALTER WALTER	Y WALTER
	Justification: Heavy Current Regulations, Section 6c	THE WILLER WILLER	NLIEK
G.4.2	United Kingdom	Not directly connected to the	N/A
	To the end of the subclause the following is added:	mains	Wife Mur
White Whi	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.	Whitek whitek whitek whitek	SE JUNITES
G.7.1	United Kingdom	at the fifth	N/A
	To the first paragraph the following is added:	MULL MULL AUT AU	20
	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.	WALTER WALTER WALTER WALTER	er whiter
WALTER	NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	ANTER WHITEK WHITEK WA	TIE VINLTE



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Clause	Requirement – Test	Result – Remark	Verdict		
G.7.1	Ireland of the stiff of the sti	Miles were one was	N/A		
G.7.1	To the first paragraph the following is added:	et let let liet	IN/A		
	To the hist paragraph the following is added.	Write Mury Mur Mur	$\sigma_{D_{i}}$.		
	Apparatus which is fitted with a flexible cable or	and the state of	TEX		
	cord shall be provided with a plug in accordance	LIFER OLIFE WALTE WALL V	15 11		
	with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use	, w	et a		
	Regulations: 1997. S.I. 525 provides for the	EX TEX STEEL WITE AN	AL WALL		
	recognition of a standard of another Member State	Mr. Mr. M.			
G.7.2	which is equivalent to the relevant Irish Standard Ireland and United Kingdom	- All State State State	N/A		
G.T.Z	To the first paragraph the following is added:	mer mer me in	IN/A		
	To the first paragraph the following is added.	at let tet tet	LITER		
	A power supply cord with a conductor of 1,25 mm ²	Write Mury Mury Mury	31. 2		
	is allowed for equipment which is rated over 10 A		TEN .		
zc	and up to and including 13 A. ANNEX ZC, NATIONAL DEVIATIONS (EN)	LICE MILE WILL WILL	N/A		
ار ک					
10.5.2	Germany	No CRT within the equipment.	N/A		
	The following requirement applies:	24, 24, 25,			
	For the operation of any cathode ray tube intended	TEX TEX STEEL STEEL	MALILE		
	for the display of visual images operating at an	with my my	20,		
	acceleration voltage exceeding 40 kV,	A TEXT SELL	LITER O		
	authorization is required, or application of type approval (Bauartzulassung) and marking.	Weir wire	12 21		
	approval (Dadarizalaccang) and manning.	t at	CENT S		
	Justification:	it alie with while we	in aller		
	German ministerial decree against ionizing radiation (Röntgenverordnung), in force since	10, 20, 2			
	2002-07-01, implementing the European Directive	- TEK LIEK NITER WIT	WILL		
	96/29/EURATOM.	Mr. Mr. M. M.			
	NOTE Contact address:	let let liet liet liet	WITE		
	Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-	are me me me	20, ,		
18th J	38116 Braunschweig, Tel.: Int+49-531-592-6320, Internet: http://www.ptb.de	a at the left	Clark .		
ZD	IEC and CENELEC CODE DESIGNATIONS FOR I	FLEXIBLE CORDS (EN)	Р		



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Dr. Mar	THE THE PERSON NAMED IN	EN IEC 62368-1	me me
Clause	Requirement – Test	Result – Remark	Verdict

Type of flexible cord	Code de	esignations
	IEC	CENELEC
PVC insulated cords		
Flat twin tinsel cord	60227 IEC 41	H03VH-Y
Light polyvinyl chloride sheathed flexible cord	60227 IEC 52	H03VV-F H03VVH2-F
Ordinary polyvinyl chloride sheathed flexible cord	60227 IEC 53	H05VV-F H05VVH2-F
Rubber insulated cords		
Braided cord	60245 IEC 51	H03RT-F
Ordinary tough rubber sheathed flexible cord	60245 IEC 53	H05RR-F
Ordinary polychloroprene sheathed flexible cord	60245 IEC 57	H05RN-F
Heavy polychloroprene sheathed flexible cord	60245 IEC 66	H07RN-F
Cords having high flexibility		
Rubber insulated and sheathed cord	60245 IEC 86	H03RR-H
Rubber insulated, crosslinked PVC sheathed cord	60245 IEC 87	H03 ₹V4-H
Crosslinked PVC insulated and sheathed cord	60245 IEC 88	H03V4V4-H
Cords insulated and sheathed with halogen- free thermoplastic compounds		
Light halogen-free thermoplastic insulated and sheathed flexible cords		H03Z1Z1-F H03Z1Z1H2-
Ordinary halogen-free thermoplastic insulated and sheathed flexible cords	ţ	H05Z1Z1-F H05Z1Z1H2-



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n in mail	My Me M	EN IEC 62368-1	TEX WITE WALLEY	Vie Mill Mill
Clause	Requirement – Test	Will AME AND AND	Result – Remark	Verdict

5.2	TABLE: Classification of electrical energy sources							
Supply Voltage	Location (e.g.	Test conditions		Param	eters		ES Class	
vollage	designation)		U (V)	I (mA)	Type ¹⁾	Additional Info 2)	CidSS	
9Vdc The EUT is designed to supplied by I USB port		Normal	<60Vdc	n	SS	DC	ES1	
	designed to be supplied by Micro	Abnormal	Jak .	TER MITE	10 CT 1	Vice Alver	4/100	
	USB port	Single fault – SC/OC	- Ch	y Tex	STEK NY	ex "Tex	NALTEK.	

Supplementary information:

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

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

SC= short circuit; OC= open circuit

5.4.1.8	TABLE: Working	g voltage measu	rement		N/A		
Location		RMS voltage Peak voltage (V) (V)		Frequency (Hz)	Comments		
ALIL WALL	. 10 1 22	V - V - V - V - V - V - V - V - V - V -	18th 18th	65 <u>-</u>	CIPLIFE MALT WALL W		
at di	<i>-</i>	, E T'	100	-3	, , , , ,, ,		
Suppleme	ntary information:						

uniti. —
Γ softening (°C)
r, 270, 21

5.4.1.10.3	1.1.10.3 TABLE: Ball pressure test of thermoplastics								
Allowed imp	pression diame	eter (mm)	:	≤ 2 m	m ,	, et	_		
Object/Part No./Material		Manufacturer/trademark	Thickness (mm)		mm) Test temperature (°C)		ression eter (mm)		
2 miles	ang me	Th	- dit	Carre 1	LIER METER WA	. " "h,	- Wer		
Supplementary information:									
2000	n m	TO LEFT .	TEX JE	الكارير الح	it will will	W.F.	2/1/2		



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ŗ	in mi	EN IEC 6236	8-11 CLI WILL WILL	Maril Mari
	Clause	Requirement – Test	Result – Remark	Verdict

		5.4.2, 5.4.3 TABLE: Minimum Clearances/Creepage distance							
U _p (V)	U _{rms} (V)	Freq ¹⁾ (kHz)	Required cl (mm)	cl (mm)	E.S. ²⁾ (V)	Required cr (mm)	cr (mm)		
4	· ~		A X	k (4)	- Tier	WILE VI	<u> </u>		
(V)	V) (V)	V) (V) (kHz)	V) (V) (kHz) cl (mm)	V) (V) (kHz) cl (mm) (mm)	V) (V) (kHz) cl (mm) (mm) (V)	V) (V) (kHz) cl (mm) (mm) (V) cr (mm)		

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

5.4.4.2 TABLE: Minimum distance through insulation							
Distance through insulation (DTI) at/of	Peak voltage (V)	Insulation*	Required DTI (mm)	Measured DTI (mm)			
THE THE STATE ASTA	WITE WILL WAY	n. 15 a.	T. .c	t 24 5			
Supplementary information:	· ·						
*See also sub-clause 5.4.4.9	Patie with any w	70 7	at at	JEX JEX			

		20				41 41		
5.4.4.9	TABLE: Solid insulation at frequencies >30 kHz							
Insulation material		E _P Frequency (kHz)		K _R	Thickness d (mm)	Insulation	V _{PW} (Vpk)	
nette met	14, 16,	2 V 20	,	- 10	三 7	TIER WILLE	- Write W	
Supplementary information:								
NI WILL	11/2 -21/		J. S.	LET JE	The sta	The matter	WELL MUT.	

5.4.9	TABLE: Electric strength	tests		N/A
Test volta	ge applied between:	Voltage shape (Surge, Impulse, AC, DC, etc.)	Test voltage (V)	Breakdown Yes / No
Functiona	list lifet outles outles	we me me	1 1	* 18t .
7 m	111 211 211	of the life of the	ITE WALL WALL	242 - 242
Basic/sup	plementary:	is the sail	at at at	Stell Str
- 4/1	Su Tu	of the stiff wife our	The Maria Maria	2424
Reinforce	d: Lifet Mile Will Mile	24. 24. 25.	t let let	LIEN SLIEN
-2011 -	a state	ALTER TALLER MALLE MALL	mr. m. n	1/2
Routine T	ests:	The state of	TEX TEX N	TER WITER
<u> </u>	e de de de	alter with white white	271, 21, 21,	20.
Suppleme	entary information:			

5.5.2.2 TABLE: Stored discharge on capacitors							
Location		Supply voltage (V)	Operating and fault condition 1)	Switch position	Measured voltage	ES Class	



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- Mr.	711 THE E	EN IEC 62368-1	mer me
Clause	Requirement – Test	Result – Remark	Verdict

				(Vpk)	
Write War. Mr.	2115 1211	Normal	ان. شا ل	S INLIER MAI	" WILL W
STEK MITER MITER	MALIER - WALTER W	Single fault: SC/ OC	The The	ITEK SITE	nijek uni

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 protective conductors and terminations N/A									
- m - m -	A 1 - 1	WILLER WALL	AUT - AUT	m m					
Supplementary information:									

5.7.4	TABLE: Unearthed accessible parts								
Location	Operating and	Supply	F	Parameters		ES class			
	fault conditions	Voltage (V)	Voltage (V _{rms} or V _{pk})	Current (A _{rms} or A _{pk})	Freq. (Hz)				
LEW MALTE	Normal		1	100	LIFE - IN	Le MULL			
t liet o	Abnormal: overload	TEK MILLE V	N JAN W		er _ 156	- "TEK			
THE TO	Single fault: SC/OC	y wy	The way	''' - '''	77,	70			
Supplementa	ary information:								
SC= short ci	ircuit; OC= open circuit	where me	24. 20.	4 1	et	Let S			

5.7.5	TABLE: Earthed acces	sible conductive part	,	N/A	
Supply volta	age (V):	+ + 1	t let de	NITE MIT	
Phase(s)		[] Single Phase; [] Three	Phase: [] Delta	[]Wye	
Power Distr	ower Distribution System [] TN []TT [] IT				
Location		Fault Condition No in IEC 60990 clause 6.2.2	Touch current (mA)	Comme	nt
The Me	24 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	TEN THE STEEL OF	The Marie M	712 My - 21	r. 24
Supplemen	tary Information:				
r. Wr.	24. 24. 24.	A ST ST S	Et Ster all	White Mrs	The.

5.8	TABLE: Backfeed safeguard in battery backed up supplies							
Location		Supply voltage (V)	Operating and fault condition	Time (s)	Open-circuit voltage (V)	Touch current (A)		Class



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				EN IEC	62368-	Life While M		
Clause	Require	ement – Test	MILL	$u_{r_s} = v_0$	7.	Result – Rema	rk	Verdict
EX	The same	6t -56t	WITE ME	TEN MY	<u> </u>	note - note	- JIP - 5U	at the
Suppleme	entary infor	mation:						
<i>*</i>	et di	t det	LIE RET	anti.	20,	24. 2.	1 1	J.

6.2.2	TAE	BLE: Power source	e circuit classifi	cations	711. 2	, <u>4</u>	P
Location		Operating and fault condition	Voltage (V)	Current (A)	Max. Power ¹⁾ (W)	Time (S)	PS class
WALL TAN	et.	All internal circuits	CEX RUTEX NO	TEK WITTER W	ALTER WALTE	white wh	PS1 (Declaration)
Supplement	ary in	formation:					

All internal circuits as PS1

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

6.2.3.1	TABLE: Determ	ination of Arcing PIS	24. 24. 24		N/A
Location		Open circuit voltage after 3 s (Vpk)	Measured r.m.s current (A)	Calculated value	Arcing PIS? Yes / No
- NITE NO	LIL WHILE WHILE	Mr. Tul.	at at all	TEX - TEX	111 11 11 11 11 11 11 11 11 11 11 11 11
Supplement	ary information:				
RETER MALTY	The Man	7111	.dd.	Life al	THE WITTE WAT

6.2.3.2 TABLE: Deter	mination of resistive PIS	A 10	N/A
Location	Operating and fault condition	Dissipate power (W)	Arcing PIS? Yes / No
-"Wer, Mr. Mr. A		- LIFE STEE JALLE	Will The .
Supplementary information:			
Only PS1 circuits	The state of the s	TEX SLIER OLIER SI	LITE WALL W

8.5.5	TABLE: High pre	essure lamp	at at	TEK LIEK AL	N/A
Lamp manufacturer		Lamp type Explosion me		sion method Longest axis of glass particle (mm)	
4	TER STER OUT	E WILL AUG A	E. 24. 20.		Et - JEt
Supplement	tary information:				
All S	Et STER OUTE	MILL MUS MA	20, 20,	at at	KER JER J



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Clause	Requirement – Test	Result – Remark	Verdict			

9.6 TAB	LE: Tempe	rature mea	surem	ent	s for wirele	ess power	transmitte	ers	.t P+
Supply voltage (V)		:	9V	'dc	A STEEL	Will SI	rie mi	
Max. transmit pov	ver of transr	mitter (W)	:	10	W 30	20,	- L	et de	_
		eiver and contact			eiver and contact		ver and at of 2 mm		eiver and at ce of 5 mm
Foreign objects	Object (°C)	Ambient (°C)	Obje (°C		Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)
Steel disc	24.6	23.9	27.2	2	24.0	26.4	24.0	26.2	23.8
Aluminium ring	25.2	23.8	27.0	6	23.8	26.6	23.9	26.4	23.7
Aluminium foil	25.3	23.6	27.8	3	23.8	26.8	24.0	26.5	23.7
Supplementary in	formation:	•					Ja		

5.4.1.4, 9.3, B.1.5, B.2.6	TABLE: Temp	oerature m	neasurem	ents	UNLIEK W	LIEK WALTE	WHITE	NI IIP
Supply volta	age (V)		:	9Vdc	(E) - (S)	Et SILE	MITE - MI	_
Ambient ter	nperature durin	(°C):	See below	-67,		A 1	_	
Maximum n	neasured tempe	f part/at:		Allowed T _{max} (°C)				
DC input ter	minal	9-		66.6	16-	50	No. Of Live	For ref.
L1 winding				75.5	n 1	1. 10	2	130
L2 winding				73.9	J. 11 1	ITEN NEW PER	WILLE W	130
PCB near U1				89.3	77,	. 7		130
PCB near U	2 "		14	81.6	felt to	MILLE IN	William - Marie	130
PCB near U	4 35 25	MITTE	with.	80.0			at - at	130
Internal enc	losure near L1	at-	J.	73.0	JOH E.	100 TO	TILL	For ref.
Ambient	NITER MITE	WILL W	Vr. 10	45.0		A - A	t 7.34	JER - STER
Accessible	parts	- A	et s	EK OLIE	WITE W	Vr. Mrs.	2/12 2	10.
External end	closure near wir	eless wind	ing	48.5	,. <u>.</u>	at 7th	TEN.	77*
Ambient				25.0	15 10 10 10 10 10 10 10 10 10 10 10 10 10	ans.	1/2 - 1/2	20,
Temperatur winding:	e T of	t ₁ (°C)	$R_1(\Omega)$	t ₂ (°C)	$R_2(\Omega)$	T (°C)	Allowed T_{max} (°C)	Insulation class
et et	TEK JE	IN THE	200 - 1	1111.	10.	,	* - F	All All

Supplementary information:

Note 1: The apparatus was submitted and evaluated for maximum manufacturer's recommended ambient (Tma) of 45°C.

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

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



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	Clause	Requirement – Test	Result – Remark	Verdict

B.2.5	T/	ABLE: In	out test					P		
U (V)	Hz	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status		
5Vdc ¹⁾	V	1.52	2.0	7.60	TEX.	MITEK	WALTER.	Normal working, Wireless output: 5.0Vdc, 1.0A		
9Vdc ¹⁾	<u>, 11</u>	1.36	1.5	12.24	2/1-	JET .	LITERE	Normal working, Wireless output: 9.0Vdc, 1.1A		
The test	data	for altern	ative PCB	board	160 M	1	, ,	at the fifth of the		
5Vdc ¹⁾	7 <u>11</u>	1.48	2.0	7.40	KEK WAL	ANT.		Normal working, Wireless output: 5.0Vdc, 1.0A		
9Vdc ¹⁾	7.	1.42	1.5	12.78	TEN	- INLIE	NATER	Normal working, Wireless output: 9.0Vdc, 1.1A		

Supplementary information:

¹⁾ Supply by external DC source, The maximum measured current under rated voltage did not exceed 110% of the rated current.

B.3, B.4	TABLE: Abnor	mal operatin	g and fau	It condit	ion tes	sts	PIT
Ambient te	emperature T _{amb} (°C)			:	See b	pelow
Power sou	rce for EUT: Man	ufacturer, mo	del/type, c	outputrati	ng:		THE THE -
Compone No.	nt Condition	Supply voltage (V)	Test time	Fuse no.		use ent (A)	Observation
C12	NATE A	9Vdc ¹⁾	10mins	WALTER	on lite	onite	Unit shut down immediately. No damage, no hazard. Recoverable. Wireless output: 9.0Vdc, 1.1A
Maria D1	S-C	9Vdc ¹⁾	10mins	iek ^{niv} i	Elk WI	LIEK.	Unit working normally, no damage, no hazard. Wireless output: 9.0Vdc, 1.1A
U1 pin 2-	3 s-c	9Vdc ¹⁾	10mins	y write	Whi.	- '2'	Unit shut down immediately. No damage, no hazard. Recoverable. Wireless output: 9.0Vdc, 1.1A
Wireless Output	O-I	5Vdc ¹⁾	1hours 55mins	whitek white	TEX WAS	WALTER WALTER	Wireless output max. overload to 1.33A, and unit shutdown at 1.35. Recoverable when fault removed and no hazards. L1 winding: 70.9°C; L2 winding: 69.6°C; Ambient: 45.0°C; External enclosure near L1: 43.7°C; Ambient: 25.0°C No higher temperature rise exceeding its limit occurred.
Wireless	mo-I w	9Vdc ¹⁾	2hours	CLEK- CI	EX-	NITEK	Wireless output max. overload to 1.32A, and unit shutdown at 1.35.



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	-11 5. 24 2 21 24.		the state of	The sail was
20,	7	EN IEC 62368-1	in with the a	15. 24. 25.
Clause	Requirement – Test	Mur. M. M.	Result – Remark	Verdict

Output	L SLIEK W	IEK WITE	17mins	in in	Recoverable when fault removed and no hazards.
	14, 25		, t	at State	L1 winding: 91.3.0°C;
	TEX ST	- JULEAN	Lite W	1. 24c	L2 winding: 88.7°C;
	Wer are	20, 20			Ambient: 45.0°C;
		et a	et .16	WILL WA	External enclosure near L1:
	all the	WILL MATE	W.	20.	63.8°C;
	211	40.		18th 18	Ambient: 25.0°C
	EK NITEK I	LIEK WALTER	WALTER	Mury Aur	No higher temperature rise exceeding its limit occurred.

Supplementary information:

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

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

Enclosure material: 117°C

M.3	TABLE: Pr	otection circu	its for batteri	es provid	ed withii	n the equ	uipment	N/A	
Is it possible	to install the	battery in a re	verse polarity	position?.	,,,,;	15. 15	A WITE	<i>u</i> –	
				C	harging				
Equipment S	Specification	Voltage (V)				Current (A)			
		ALTER MITE	mr m	2/12	-2)	7.),E)	et set	
				Battery	specifica	ation			
		Non-recharge	eable batteries		Re	chargeable batteries			
		Discharging	Unintentional	Charging			Discharging	Reverse	
Manufact	urer/type	current (A)	charging current (A)	Voltage	(V) Cur	rent (A)	current (A)	charging current (A)	
70, .	- L - L+	20 ¹⁴ .3	× 12 12 11	ele Mile	in	-2/10	70, 7		
Note: The te	sts of M.3.2 a	are applicable o	only when abov	e appropri	ate data	is not ava	ailable.		
Specified ba	ttery tempera	ature (°C)			;1	2/1.	1/1 1/2	4	
Component No.	Fault condition	Charge/ discharge mo	Test time	Temp. (°C)	Current (A)	Voltag (V)	e Obs	ervation	
TEK WITER	WILL WAL	Charge	7h	Ţ.	J. *	1 - J	TEL STEEL	NUTER WALT	
70	·	Discharge	7h	William W	-21/L	''الن	1/11	th -	

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.

¹⁾ Supply by external DC source,



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and and	The the the	EN IEC 62368-1	NITE WALTER WALTER	Min Min
Clause	Requirement – Test	Result	t – Remark	Verdict

M.4.2	TABLE battery	: Charging safeguards for equipment containing a secondary lithium					
Maximum	specified	charging voltag	je (V)		":A = AL	20, 20,	_
Maximum	specified	charging currer	nt (A)		: 44	ALTER WITER	_
Highest sp	pecified ch	arging tempera	ature (°C)		ni - ni	70 -	
Lowest sp	ecified ch	arging tempera	ture (°C)		HE - LIER	WILL MULTE AN	
Battery manufacturer/type		Operating		Measurement			n
		and fault condition	Charging voltage (V)	Charging current (A)	Temp. (°C)		
Lowest sp	ecified cha	arging temperat	ure:	et et	CIENT ST	IER WILL WILLE	W. Car
₂	J. J. E.	Normal	EL TELL A	VII. AVE.	21/2 - 21/2		.et
		Abnormal-	-	A 18th	TIER - TIE	TILIER WALTE WA	2. "
		Single fault – (SC/OC)	WALTE WAL			STEP STEP WIT	X NALT
Highest sp	ecified ch	arging tempera	ture:	ans, and	" "Aller	V1. 21, 2	A
MILIE	Now AN	Normal	1. Tu	A A	t Jak	LIE WILL WILLE	MULL.
		Abnormal-	E 10 .	and the	1/2 1/1		et .
		Single fault – (SC/OC)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LIEK LIEK	- At-	WALLE MALLE ON	ULL 1

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 inter	nded for inte	erconnectio	n with build	ling wiring	(LPS)	MILL P W
Output	O a a Prince	11 () ()	Time a (a)	I _{sc} (A)		S (VA)	
Circuit	Condition	U _{oc} (V)	Time (s)	Meas.	Limit	Meas.	Limit
Wireless output: 5Vdc, 1.0A	Normal	5.12	5s	1.43	8	6.54	100
	Single fault - U1 pin 2-3 SC /OC	0 mil	5s	ناس 0 کتاب	8	W. 0 W.	100
	Single fault – D1 SC /OC	0 0	5s	0	8	Ouris	100
WITER WIT	Normal	9.11	5s	1.42	8	12.78	100
Wireless output:	Single fault - U1 pin 2-3 SC /OC	0	5s	0	8	0	100
9Vdc, 1.1A	Single fault – D1 SC /OC	ant O and	5s	m_0 m	8	0	100
The test da	ta for alternative PCB	board	t Jet	aliek mii	and the	where who	7/12
Wireless	Normal	5.12	5s	1.30	8	6.50	100



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Clause	Requirement – Test	Result	– Remark	. At .	Verdict			
412	1, 2, 2,		L ZEF	JEN JU	100	are we	100	
output: 5Vdc, 1.0A	Single fault - U1 pin 2-3 SC /OC	On the	5s	0	8	0 0	100	
	Single fault – D1 SC /OC	0	5s	0	8	0	100	
Wireless output: 9Vdc, 1.1A	Normal	9.11	5s	1.20	8 40	10.80	100	
	Single fault - U1 pin 2-3 SC /OC	0	5s	0	8.00	0	100	
	Single fault – D1 SC /OC	Mary O Mur	5s	0	8	10°0 m	100	

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

T.2, T.3, T.4, T.5	TABLE: S	eady force to	est Et	TER W	ill Whi.	AND AND AND P
Location / Part	Material	Thickness (mm)	Probe	Force (N)	Test Duration (s)	Observation
Internal components (T.2)	4	nutral .	Figure V.1 and Figure V.2	10	5	No reduction the clearances and creepage distances
Enclosure top(T.5)	Wooden*	See table 4.1.2	elet est	250	Et 5 TE	Enclosure remained intact, no crack/ opening developed
Enclosure side(T.5)	Wooden*	See table 4.1.2	 % (1 ¹²	250	5 (Enclosure remained intact, no crack/ opening developed
Enclosure bottom (T.5)	Wooden*	See table 4.1.2	7.F	250	5	Enclosure remained intact, no crack/ opening developed
Supplementa	ry informati	on:				
*Test was pe	rformed on	product with e	ach source	e listed in	n table 4.1.2.	WILL MILL MILL MAN MILL

T.6, T.9	TABLE: Impa	ct test		EX TEX STEX NITE WITE WY	
Location/Pa	rt Material	Thickness (mm)	Height (mm)	Observation	
Enclosure Wooden*		See table 4.1.2	1300	Enclosure remained intact, no crack/ opening developed. No hazards.	
Enclosure Side	wooden*	See table 4.1.2	1300	Enclosure remained intact, no crack/ opening developed. No hazards.	
Enclosure Bottom	Enclosure Wooden* See table 4.1.2 Bottom		1300	Enclosure remained intact, no crack/ open developed. No hazards.	
Supplement	tary information	:			
*Test was p	erformed on pro	oduct with each sou	rce listed ir	n table 4.1.2.	



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EN IEC 62368-1							
Clause	Requirement – Test	The Mer My M.	Result – Remark	Verdict			

Location/Par	t Material	Thickness (mm)	Height (mm)	Observation
Enclosure Wooden* See table Top		See table 4.1.2	1000	Enclosure remained intact, no crack/ opening developed. No hazards.
Enclosure Side	Wooden*	See table 4.1.2	1000	Enclosure remained intact, no crack/ opening developed. No hazards.
Enclosure Bottom	Wooden*	See table 4.1.2	1000	Enclosure remained intact, no crack/ opening developed. No hazards.

T.8 TA	ABLE: Stress	s relief test		et let	JEEK .	LIER MITE	N/A
Location/Part	Material	Thickness (mm)	Oven Temperatur e (°C)	Duration (h)	Observation		
The Stre	e ni ze e	THE WATER WA	\bar{c}_n	, - Y	- A	All .	TEX LIEN
Supplementary	information:						
THE LIFE	Not not	- Jun	-2			Let de	LIEN THE

X TABLE: Alternative method for determining minimum clearances distances									
Clearance distanced between:	Peak of working voltage (V)	Required cl (mm)	Measure (mm						
- mer me m	" - A A	- ITEK TITEK BUTE	WILL WILL	mr. 1					
Supplementary information:	Supplementary information:								
Mer me me in	a st st	alter miter write a	WILL MUE.	A115 A11					



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

4.1.2	TABLE: Critical components information							
Object / part No.	Manufacturer/ trademark	Type / model Technical data		Standard	Mark(s) of conformity ¹			
Wireless coil L1	Shenzhen Song Dao Technology Co., Ltd	A28	6.60±10%μH at 100KHz, 130°C, coil: Φ0.08 x 105P x 9Ts, 130°C	IEC/EN IEC 62368-1	Tested with appliance			
Wireless coil L2	Shenzhen Song Dao Technology Co., Ltd	A28	6.75±10%μH at 100KHz, 130°C, coil: Φ0.08 x 105P x 9Ts, 130°C	IEC/EN IEC 62368-1	Tested with appliance			
PCB	Goldenmax International Technology (Hangzhou) Ltd	DL-C3	V-0, 130°C	UL 796	UL E134893			
(Alternative)	Interchangeable	Interchangeabl e	Min. V-1, 130°C	UL 796	UL			
Wooden enclosure	Interchangeable	Interchangeabl e	Min. thickness: 1.0mm	IEC/EN IEC 62368-1	Tested with appliance			
NTC	Shenzhen Yue Tai Da Technology Co., Ltd	QN0402X104F 4250FB	R25=100KΩ±1%, B25/50=4250K±1%	IEC/EN IEC 62368-1	Tested with appliance			

Supplementary information:

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



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Figure 1: Over view for model MO6277

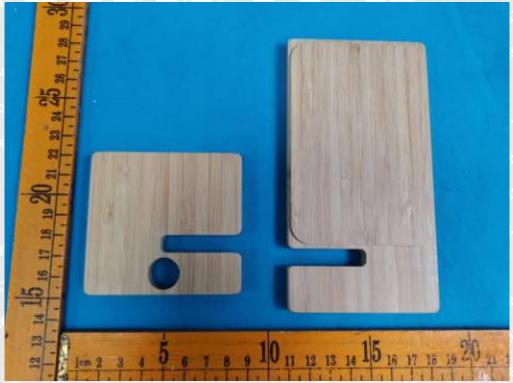


Figure 2: Over view for model MO6277



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Figure 3: Internal view for model MO6277

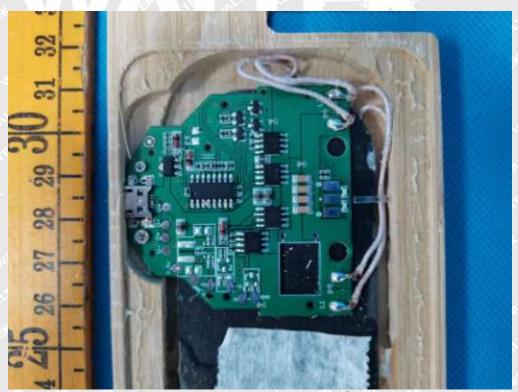


Figure 4: Internal view for model MO6277



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Photo Documentation

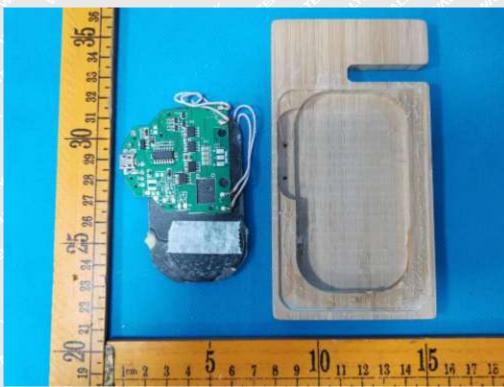


Figure 5: Internal view for model MO6277

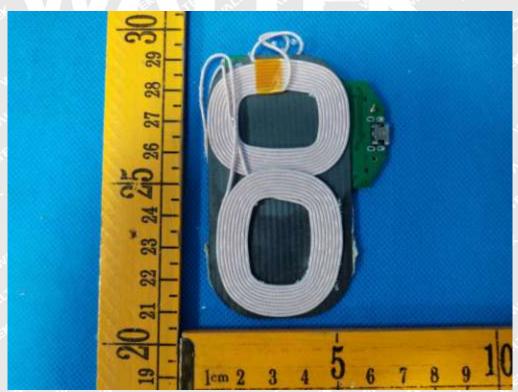


Figure 6: Internal view Internal view for model MO6277



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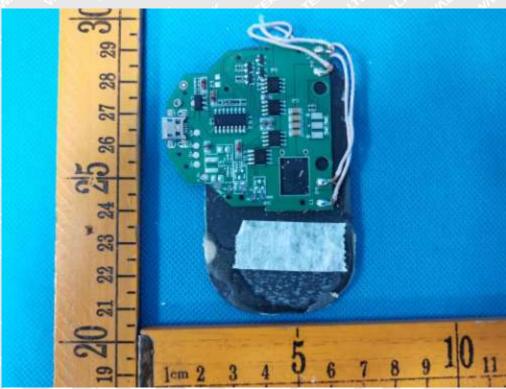


Figure 7: Internal view for model MO6277

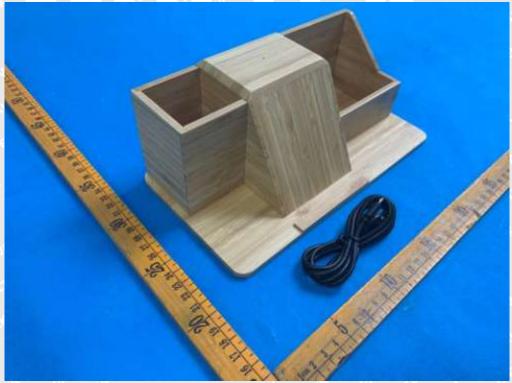


Figure 8: Over view for model MO6345



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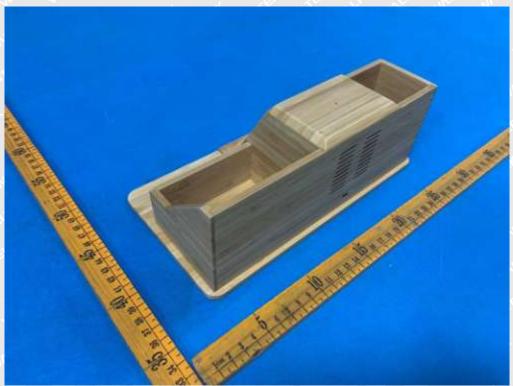


Figure 9: Side view for model MO6345



Figure 10: Front view for model MO6345



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Figure 11:Bottom view for model MO6345



Figure 12: Internal view for model MO6345



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Reference No.: WTF22D07136222R1Y

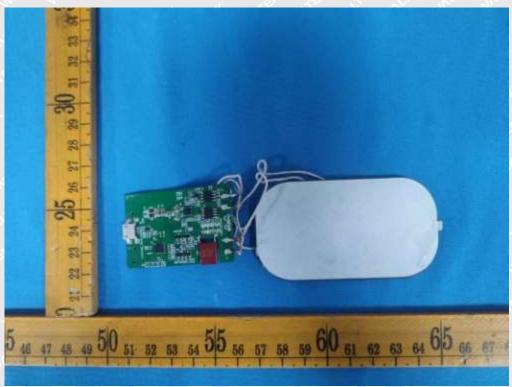


Figure 13: Alternative PCB view

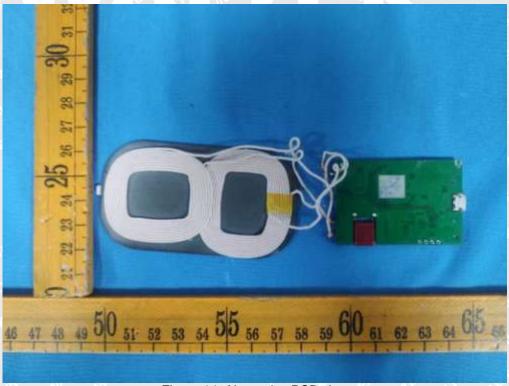


Figure 14: Alternative PCB view

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