



# **TEST REPORT**

Reference No		WTF22D11232112Y
Applicant	<b>ر</b> :	Mid Ocean Brands B.V.
Address	ans	7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloo Hong Kong
Manufacturer	10,1176	111033
Address	20,	-W. & CH LEF SLIER WILLER WILL MULL MINITER
Product	LIFER	Cork mousepad wireless charger, RPET foldable wireless charger, Fast wireless charger mousepad
Model(s)	E.	MO6476, MO6484, MO6416
Total pagesStandards		67 + 6 pages of photo documentation EN IEC 62368-1: 2020+A11: 2020 Audio/video, information and communication technology equipment Part 1:Safety requirements
Date of Receipt sample	Wig.	2022-11-18
Date of Test	(et	2022-11-18 to 2023-02-21
Date of Issue	` · <	2023-02-21
Test Result	7,	Pass Pass

#### Remarks:

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

## Prepared By:

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Compiled by:	Approved by:
Soapellu	Standard Som Di
Soan Hu / Project Engineer	Sam Oi / Designated Reviewer



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Test item description	Wireless cha	rger
Trademark:	МОВ	
Model and/or type reference:	MO6476, MC	06484, MO6416
Rating(s):	Input: 9Vdc, Wireless Out	2A put : DC 9V, 1.6A, 15W Max.
Remark:		
Whether parts of tests for the product h	nave been sub	contracted to other labs:
☐ Yes		
If Yes, list the related test items and lal	o information:	
Test items:		
Lab information:		
Summary of testing:	WITE WY	Mr. Mr. Mr. Mr. A. St. St.
Tests performed (name of test and to	est clause):	Testing location:
- EN IEC 62368-1: 2020+A11: 2020	TEX WITE	No. 77, Houjie Section, Guantai Road,
The submitted samples were found to the requirements of above specification		Houjie Town, Dongguan City, Guangdong, China
Summary of compliance with Nation EU Group Differences	al Difference	s (List of countries addressed):
	11 - 0 00	
The product fulfils the requirements	of EN IEC 623	368-1:2020+A11:2020.
Use of uncertainty of measurement	for decisions	on conformity (decision rule) :
No decision rule is specified by the applicable limit according to the specified by the spe	e IEC standa	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)	ole when requi	red by the standard or client, or if national accreditation
Information on uncertainty of measu	irement.	
The uncertainties of measurement are	calculated by	the laboratory based on application of criteria given by ethods, decision sheets and operational procedures of

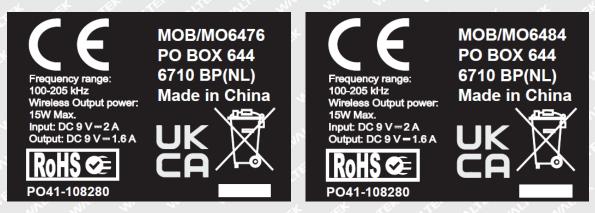
IEC Guide 115 provides guidance on the application of measurement uncertainty principles and applying the decision rule when reporting test results within IECEE scheme, noting that the reporting of the measurement uncertainty for measurements is not necessary unless required by the test standard or customer.

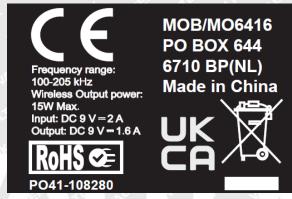
Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.





#### Copy of marking plate:





#### Remark:

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



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TEST ITEM PARTICULARS:	Will also also also also also also also al
Product group	
Classification of use by:	<ul><li>☑ Ordinary person</li><li>☑ Instructed person</li><li>☑ Skilled person</li></ul>
Supply Connection:	☐ AC mains ☐ DC mains ☐ not mains connected: ☐ ES2 ☐ ES3
Supply % Tolerance:	☐ +10%/-10% ☐ +20%/-15% ☐ +%/% ☑ None
Supply Connection – Type:	□ 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:	<ul> <li>☐ movable</li> <li>☐ direct plug-in</li> <li>☐ stationary</li> <li>☐ wall/ceiling-mounted</li> <li>☐ SRME/rack-mounted</li> <li>☐ other:</li> </ul>
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:	<ul><li>N/A</li><li>☐ restricted access area</li><li>☐ outdoor location</li><li>☐</li></ul>
Pollution degree (PD)	□PD 1⊠ PD 2 □ PD 3
Manufacturer's specified maxium operating ambient:	40°C  Outdoor: minimum°C
IP protection class:	☐ IP
Power Systems:	☐ TN ☐ TT ☐ ITV <sub>L-L</sub> ☐ not AC mains
Altitude during operation (m):	⊠ 2000 m or less □m
Altitude of test laboratory (m):	⊠ 2000 m or less □ m
Mass of equipment (kg):	



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POSS		
1 000	IBLE TEST CASE VERDICTS:	his mis my my my my
- test c	case does not apply to the test object:	N/A
- test c	bject does meet the requirement:	P (Pass)
- test c	bject does not meet the requirement:	F (Fail)
TESTI	NG: A A A A A A	The the the table
Date o	f receipt of test item:	2022-11-18
Date (	s) of performance of tests:	2022-11-18 to 2023-02-21
GENE	RAL REMARKS:	TEX LIES MITE MITE WALL WALL WALL
"(see l	Enclosure #)" refers to additional information ap	pended to the report.
0.00	appended table)" refers to a table appended to	
•	ghout this report a ☐ comma / ☒ point is u	
	RAL PRODUCT INFORMATION:	* TEX ITEX NITEX WITH WITH WITH
Prod	uct Description	The true of the second
1.	For Model MO6484 equipment is device is the	e Phone Stand with Wireless Charger.
2.	For Model MO6476 equipment is device is the	
3.	For Model MO6416 equipment is device is the	
4.		nt temperature is 40°C . The specified altitude is up to
5.	Tests were carried out on model MO6484 to	represent other models.
	The product is powered by PS1 Type-C port.	
6.		
- (6)	l Differences	



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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
ES1: Lithium Cell	Ordinary	N/A	N/A	N/A
6	Electrically-caused fire			
Class and Energy Source	Material part		Safeguards	
(e.g. PS2: 100 Watt circuit)	(e.g. Printed board)	В	1 <sup>st</sup> S	2 <sup>nd</sup> S
PS1: <15 Watt circuits	PCB, Enclosure, The other components/materials	N/A	N/A	N/A
7	Injury caused by hazardous s	ubstances		
Class and Energy Source	Body Part	Safeguards		
(e.g. Ozone)	(e.g., Skilled)	В	S	R
N/A	N/A	N/A	N/A	N/A
8	Mechanically-caused injury	<u>.</u>		
Class and Energy Source	Body Part (e.g. Ordinary)	Safeguards		
(e.g. MS3: Plastic fan blades)		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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#### **ENERGY SOURCE DIAGRAM**

Indicate which energy sources are included in the energy source diagram. Insert diagram below

 $\boxtimes$  ES  $\boxtimes$  PS  $\boxtimes$  MS  $\boxtimes$  TS  $\boxtimes$  RS

See details in OVERVIEW OF ENERGY SOURCES AND SAFEGUARDS



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AV		The same of the sa	
EN IEC 62368-1			Tr. Mr. Mr.
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 UNITED	Use of components	Components which are certified to IEC and/or national standards are used correctly within their ratings. Components not covered by IEC standards are tested under the conditions present in the equipment. See also Annex G	NET PUR FEX WILL WILLEY
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 ,
4.4.3.1	General	1 1/1 1/1	Р
4.4.3.2	Steady force tests	(See Annex T.2 and T.4)	Por
4.4.3.3	Drop tests	(See Annex T.7)	Р
4.4.3.4	Impact tests	of the still niter and	N/A
4.4.3.5	Internal accessible safeguard tests	No such parts.	N/A
4.4.3.6	Glass impact tests	No such glass used.	N/A
4.4.3.7	Glass fixation tests	No such parts.	N/A
in Mr.	Glass impact test (1J)	LIER REFERENCE WALL OF	N/A
* 6	Push/pull test (10 N)	L A St	N/A
4.4.3.8	Thermoplastic material tests	(See Annex T.8)	Р
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, 4.4.3.8, no safeguard damaged.	VIP MALIFIE
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	P.TE
4.5.1	General white whit	No explosion occurs during normal/abnormal operation and single fault conditions	P



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2/1	EN IEC 62368-	Lit with wint wint	$c_0 = c_0$
Clause	Requirement – Test	Result – Remark	Verdict
Me		er with with only on	in 100
4.5.2	No explosion during normal/abnormal operating condition	(See Clause B.2, B.3)	Р
	No harm by explosion during single fault conditions	(See Clause B.4)	P
4.6	Fixing of conductors	See below	<sub>Z1</sub> b
EX NIE	Fix conductors not to defeat a safeguard	at let let let	TE P
- 201	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)	LEX STEX NUTE ONLY	N/A
4.8	Equipment containing coin/button cell batteries	Mr. M. M. M.	N/A
4.8.1	General	No coin/button cell batteries used.	N/A
4.8.2	Instructional safeguard	et tet stet stet stret o	N/A
4.8.3	Battery compartment door/cover construction	The the the	N/A
WILL OF	Open torque test	TEN TEN STEEL STEEL OUT	N/A
4.8.4.2	Stress relief test	Mr. An An	N/A
4.8.4.3	Battery replacement test	ALL STATES ANTIE	N/A
4.8.4.4	Drop test	7 1	N/A
4.8.4.5	Impact test	TE SLIP MIN WALTER	N/A
4.8.4.6	Crush test	Sp. 2	N/A
4.8.5	Compliance	* NITER INLIER WHITE WA	N/A
,et	30N force test with test probe	The second second	N/A
11/2 1/	20N force test with test hook	INLIES WALL WALL WALL	N/A
4.9	Likelihood of fire or shock due to entry of cond	uctive object	P
4.10	Component requirements	intip with mit and	N/A
4.10.1	Disconnect Device	a at at at	N/A
4.10.2	Switches and relays	Mur. Mur. My M	N/A
5	ELECTRICALLY-CAUSED INJURY		JI P
5.2	Classification and limits of electrical energy sou	rces	Р
5.2.2	ES1, ES2 and ES3 limits	WILL MULL MULL MULL MULL	Р
5.2.2.2	Steady-state voltage and current limits	(See appended table 5.2)	JE P
5.2.2.3	Capacitance limits	No such capacitors	N/A
5.2.2.4	Single pulse limits	No such single pulses	N/A
5.2.2.5	Limits for repetitive pulses	No such repetitive pulses	N/A
5.2.2.6	Ringing signals	No such ringing signals	N/A



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Olavas	EN IEC 62368-	2, 41, 72, 3,	No. P.
Clause	Requirement – Test	Result – Remark	Verdict
5.2.2.7	Audio signals	Mar Aug Mr Mr	N/A
5.3	Protection against electrical energy sources	TEX SITE MITE SINI	Р
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	TEX TEX STEX STEX	P
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	by my my my	N/A
5.3.1 b)	Skilled persons not unintentional contact ES3 bare conductors	TER WHITER WHITE WHITE W	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Only ES1 circuit and the enclosure (safeguard) are accessed to person.	Р
iner in	Accessibility to outdoor equipment bare parts	SLIER WILL WILL MILL	N/A
5.3.2.2	Contact requirements	an an at the fifth	N/A
r. Mrr	Test with test probe from Annex V	LIER WALLE WALL WALL	s —
5.3.2.2 a)	Air gap – electric strength test potential (V)	a state of	N/A
5.3.2.2 b)	Air gap – distance (mm)	e while while when a	N/A
5.3.2.3	Compliance	at at all o	N/A
5.3.2.4	Terminals for connecting stripped wire	No stripped wire used.	N/A
5.4	Insulation materials and requirements	et liter liter	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 Life State of the State of	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	"MELL ME ME ME	N/A
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	ONLIER WILLER WALLE	N/A
5.4.1.5.3	Thermal cycling test	The state of the	N/A
5.4.1.6	Insulation in transformers with varying dimensions	LITE WILL WILL WILL	N/A
5.4.1.7	Insulation in circuits generating starting pulses	e of the text	N/A
5.4.1.8	Determination of working voltage	with mir me m	N/A
5.4.1.9	Insulating surfaces	- at alt set s	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	Mus Mrs Mrs Mrs	N/A
5.4.1.10.2	Vicat test	WILL WALL MULL MALL WALL	N/A
5.4.1.10.3	Ball pressure test	a state of	N/A
5.4.2	Clearances	ITE WALL MALL WALL	N/A
5.4.2.1	General requirements	at the fift	N/A
July .	Clearances in circuits connected to AC Mains, Alternative method	with the state	N/A
5.4.2.2	Procedure 1 for determining clearance	ALTER MITE MALT MALT	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
7/2 1	Town over the very fall of the second	the way was one	20/2 20
5 4 0 0 10	Temporary overvoltage		
5.4.2.3	Procedure 2 for determining clearance	Willy files Mer a	N/A
5.4.2.3.2.2	a.c. mains transient voltage	1 1	ill -
5.4.2.3.2.3	d.c. mains transient voltage	VIII WILL AND AND	_
5.4.2.3.2.4	External circuit transient voltage	at at alt of	<u> </u>
5.4.2.3.2.5	Transient voltage determined by measurement	i mer mer m	
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	t miter whiter whiter	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	strek strek untrek ou	N/A
5.4.2.6	Clearance measurement	711 211	N/A
5.4.3	Creepage distances	LIER WITE WALL WAL	N/A
5.4.3.1	General		N/A
5.4.3.3	Material group	EN WITE WALLE WALL	n -
5.4.3.4	Creepage distances measurement	1 H H	N/A
5.4.4	Solid insulation	WILL MULL MULL	N/A
5.4.4.1	General requirements	At At	N/A
5.4.4.2	Minimum distance through insulation	2 24, 24	N/A
5.4.4.3	Insulating compound forming solid insulation		N/A
5.4.4.4	Solid insulation in semiconductor devices	is me me m	N/A
5.4.4.5	Insulating compound forming cemented joints	t tet tet liet	N/A
5.4.4.6	Thin sheet material	Mr. Mr. M.	N/A
5.4.4.6.1	General requirements	THE THE STEEL	N/A
5.4.4.6.2	Separable thin sheet material	Mr. M. M.	N/A
The MULL	Number of layers (pcs)	TER STER STER WITE	N/A
5.4.4.6.3	Non-separable thin sheet material	2 40 0	N/A
Mrs	Number of layers (pcs)	EK STER WITE WITE	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	· TEX TEX STEX	N/A
5.4.4.6.5	Mandrel test	m, m, m,	N/A
5.4.4.7	Solid insulation in wound components	THE LIFE CLIEB IS	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz, $E_P$ , $K_R$ , $d$ , $V_{PW}$ (V)	at the text of	N/A
t Tex	Alternative by electric strength test, tested voltage (V), K <sub>R</sub>	The way we	N/A
5.4.5	Antenna terminal insulation	White Mury with	N/A
5.4.5.1	General	a at at	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
5.4.5.2	Voltago curgo toct	They are one	N/A
5.4.5.3	Voltage surge test	10 10 11 11 11 11 11 11 11 11 11 11 11 1	
5.4.5.3	Insulation resistance (M $\Omega$ )	MULLY AVER WELL	N/A
- 10 m	Electric strength test	at set set	N/A
5.4.6	Insulation of internal wire as part of supplementary safeguard	VIII. MUT. MUT. M	N/A
5.4.7	Tests for semiconductor components and for cemented joints	TEX WALTER WALTER WAS	N/A
5.4.8	Humidity conditioning	t TEX LIER NITE	N/A
JEL N	Relative humidity (%), temperature (°C), duration (h)	Mus My M	
5.4.9	Electric strength test	With Aut. Aug.	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	The Mery Mer, My	N/A
5.4.10	Safeguards against transient voltages from external circuits	ex uniter uniter unit	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 Min	N/A
5.4.10.2.1	General	A CH	N/A
5.4.10.2.2	Impulse test	- Jane 1	N/A
5.4.10.2.3	Steady-state test		N/A
5.4.10.3	Verification for insulation breakdown for impulse test	THE WE WE	N/A
5.4.11	Separation between external circuits and earth	WHILE MULLE MULL	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	SLIEF WITER WITER	N/A
5.4.11.2	Requirements	24 20 2	N/A
it it	SPDs bridge separation between external circuit and earth	HITE WALTER WALTE W	N/A
MULT	Rated operating voltage U <sub>op</sub> (V)	EK STEK OUTER JOH	_ n_
, at	Nominal voltage U <sub>peak</sub> (V)	20, 20, 20	_
Mulia M	Max increase due to variation ΔU <sub>sp</sub>	THE METER WALTE	Mr
all a	Max increase due to ageing ΔU <sub>sa</sub>	30 30 St	- III
5.4.11.3	Test method and compliance	WILL MULL MULL	N/A
5.4.12	Insulating liquid	1 1 1	χ <sup>ν</sup> Λ/Α
5.4.12.1	General requirements	LICE WILL MILL 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	WILL MILL WILL	N/A
5.4.12.4	Container for insulating liquid	1 1 1	N/A



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AV		30.1.0	
i ni		EN IEC 62368-1	
Clause	Requirement – Test	Result – Remark	Verdict

5.5	Components as safeguards		N/A
5.5.1	General	No such components as safeguards.	N/A
5.5.2	Capacitors and RC units	TEK STEK NITER MITE	N/A
5.5.2.1	General requirement		N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	IER WILLER WILLER	N/A
5.5.3	Transformers	t get get get o	N/A
5.5.4	Optocouplers	Mr. Mr. Mr. Mr.	N/A
5.5.5	Relays	TEK TEK JITER KIT	N/A
5.5.6	Resistors	Mr. Mr. Mr. M.	N/A
5.5.7	SPDs	TEK TEK STEK WITE	N/A
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable	at the talk state	N/A
5.5.9	Safeguards for socket-outlets in outdoor equipment		N/A
411.	RCD rated residual operating current (mA)		_
5.6	Protective conductor		N/A
5.6.2	Requirement for protective conductors	2 11/2 24	N/A
5.6.2.1	General requirements	Class III equipment	N/A
5.6.2.2	Colour of insulation	in the the the	N/A
5.6.3	Requirement for protective earthing conductors	t tet tet allet o	N/A
- T	Protective earthing conductor size (mm²)	My My My M.	_
الم المتالية	Protective earthing conductor serving as a reinforced safeguard	MULTER WHITE WHITE WHITE	N/A
LTEN WAY	Protective earthing conductor serving as a double safeguard	LIET MITES WHITE	N/A
5.6.4	Requirements for protective bonding conductors	at the fifth	N/A
5.6.4.1	Protective bonding conductors	in with the Aut A	N/A
LIER	Protective bonding conductor size (mm²)	- at let let	<b>₫</b> —
5.6.4.2	Protective current rating (A)	White Must Aug Au	N/A
5.6.5	Terminals for protective conductors	THE THE THE STE	N/A
5.6.5.1	Terminal size for connecting protective earthing conductors (mm)	ing the text text	N/A
t The	Terminal size for connecting protective bonding conductors (mm)	The water water	N/A
5.6.5.2	Corrosion		N/A
5.6.6	Resistance of the protective bonding system		N/A
5.6.6.1	Requirements	WITE WITE WALL WALL	N/A



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
" Alex	An an a state of	the office with one in	T. 24/2
5.6.6.2	Test Method		N/A
5.6.6.3	Resistance ( $\Omega$ ) or voltage drop	WITE WILL MALL MALL	N/A
5.6.7	Reliable connection of a protective earthing conductor	TEX STEX STEX MITER	N/A
5.6.8	Functional earthing	L. M. W.	N/A
William	Conductor size (mm²)	TEX SLIER WITER WALTER W	N/A
- EX	Class II with functional earthing marking	24 2 x	N/A
Mr. 1	Appliance inlet cl &cr (mm)	ALTER MITE WALL WA	N/A
5.7	Prospective touch voltage, touch current and prospective touch voltage.	rotective conductor current	N/A
5.7.2	Measuring devices and networks	WILL WILL MILL MILL	N/A
5.7.2.1	Measurement of touch current	and the set week	N/A
5.7.2.2	Measurement of voltage	LIFE WALTE WALT WALL	N/A
5.7.3	Equipment set-up, supply connections and earth connections		N/A
5.7.4	Unearthed accessible parts		N/A
5.7.5	Earthed accessible conductive parts	CHIEF WITE WILL WAL	N/A
5.7.6	Requirements when touch current exceeds ES2 limits	A STIFF MITTE	N/A
A 13	Protective conductor current (mA)	7	N/A
IL WILL	Instructional Safeguard	The life out on the	N/A
5.7.7	Prospective touch voltage and touch current associated with external circuits	t tet tet stet s	N/A
5.7.7.1	Touch current from coaxial cables	24 24 24 24 24	N/A
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	WALTER WALTER WALTER WALTER	N/A
5.7.8	Summation of touch currents from external circuits	street intrest whitest whitest	N/A
EK MUZEK	a) Equipment connected to earthed external circuits, current (mA)	et seret seret aneret	N/A
MITER	b) Equipment connected to unearthed external circuits, current (mA)	- THE LIER LIER OF	N/A
5.8	Backfeed safeguard in battery backed up supplies		N/A
INLIE WILL	Mains terminal ES	No battery used	N/A
	Air gap (mm)	n. n. n. e.	N/A

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



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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. W.
6.2.3	Classification of potential ignition sources	See the following details.	JEEP P.J.
6.2.3.1	Arcing PIS	No Arcing PIS exist in the equipment	N/A
6.2.3.2	Resistive PIS	(See appended table 6.2.3.2)	N/A
6.3	Safeguards against fire under normal operating conditions	and abnormal operating	WALL PK
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)	nite P
	Combustible materials outside fire enclosure	No such parts	N/A
6.4	Safeguards against fire under single fault condit	tions	N P
6.4.1	Safeguard method	Control fire spread	Р
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits		WALL P O
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	IE MILE WILLE WALTER	N/A
6.4.3.1	Supplementary safeguards	e at at let i	et Pie
6.4.3.2	Single Fault Conditions	white and an	N/A
ALTER OF	Special conditions for temperature limited by fuse	LEK TEK TEK NITE	N/A
6.4.4	Control of fire spread in PS1 circuits	mr. mr. m. m.	Р
6.4.5	Control of fire spread in PS2 circuits	TEX TEX LIEX NITER	N/A
6.4.5.2	Supplementary safeguards	er me m m	N/A
6.4.6	Control of fire spread in PS3 circuits	lik i tilk stille skiter sk	N/A
6.4.7	Separation of combustible materials from a PIS	211. 211. 21.	N/A
6.4.7.2	Separation by distance	TIEN NITER WITE WALL	N/A
6.4.7.3	Separation by a fire barrier	No fire barrier used.	N/A
6.4.8	Fire enclosures and fire barriers	See below.	N/A
6.4.8.2	Fire enclosure and fire barrier material properties	V-0 plastic enclosure used	N/A
6.4.8.2.1	Requirements for a fire barrier	No fire barrier used.	N/A
6.4.8.2.2	Requirements for a fire enclosure	V-0 plastic enclosure used	N/A
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	See below	N/A
6.4.8.3.1	Fire enclosure and fire barrier openings	No openings	N/A



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- 07	EN IEC 62368-		20.
Clause	Requirement – Test	Result – Remark	Verdict
6.4.8.3.2	Fire barrier dimensions	No apositio harrior provided	NI/A
<del></del>	Fire barrier dimensions	No specific barrier provided.	N/A
6.4.8.3.3	Top openings and properties	No top opening	N/A
Set S	Openings dimensions (mm)		N/A
6.4.8.3.4	Bottom openings and properties	No bottom opening	N/A
Et JEt	Openings dimensions (mm)	a state aft	N/A
- The	Flammability tests for the bottom of a fire enclosure	ite mit mit mit w	N/A
MULL 1	Instructional Safeguard	CLIEB WITE WALL WAS	N/A
6.4.8.3.5	Side openings and properties	No side openings	N/A
me, an	Openings dimensions (mm)	ALTER MITE MALLE WALL	N/A
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c)	No enclosure can be opened by an ordinary person	N/A
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating	V-0 plastic enclosure used	N/A
6.4.9	Flammability of insulating liquid	The The The Land	N/A
6.5	Internal and external wiring	t let let lite li	P
6.5.1	General requirements  The internal wires are complied with UL standard, of which the test method and testing condition are equal to IEC/EN 60695-11-21.		NALTE .
6.5.2	Requirements for interconnection to building wiring	See 6.5.1.	P
6.5.3	Internal wiring size (mm2) for socket-outlets	No such wire used	N/A
6.6	Safeguards against fire due to the connection to ac	dditional equipment	Р
7	INJURY CAUSED BY HAZARDOUS SUBSTANC	ES	P
7.2	Reduction of exposure to hazardous substance		N/A
7.3	Ozone exposure	14 14 14 14 14 14 14 14 14 14 14 14 14 1	N/A
7.4	Use of personal safeguards or personal protect	tive equipment (DDE)	N/A
		iro equipment (i i L)	IN/A
7 = 1	Personal safeguards and instructions	CIET NIET NIET NIE	
7.5	Use of instructional safeguards and instruction	2 " " " " " " " " " " " " " " " " " " "	N/A
Water Mari	Instructional safeguard (ISO 7010)	LIEF TER STEE STEE	_
7.6	Batteries and their protection circuits	Mr. Mr. In Mr.	Р
8			Р
	MECHANICALLY-CAUSED INJURY		
8.2	Mechanical energy source classifications		Р
8.3	Safeguards against mechanical energy sources		P
8.4	Safeguards against parts with sharp edges and corners		Р



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01	EN IEC 62368-		V/m.P.c
Clause	Requirement – Test	Result – Remark	Verdict
8.4.1	Safeguards	me we we we	P
MUTE MU	Instructional Safeguard:	MS1: Edges and corners of enclosure	JIP P
8.4.2	Sharp edges or corners  Edges and corners of the enclosure are rounded.		MALLIP M
8.5	Safeguards against moving parts	at let telt steet	N/A
8.5.1	Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts	No moving parts.	N/A
Mr. M	MS2 or MS3 part required to be accessible for the function of the equipment	See above.	N/A
inti juni	Moving MS3 parts only accessible to skilled person	LITER STIFF WALLE	N/A
8.5.2	Instructional safeguard:	an an at the	N/A
8.5.4	Special categories of equipment containing moving parts	THE MULTER MULTER WALLE	N/A
8.5.4.1	General	et liet nitet mitet un	N/A
3.5.4.2	Equipment containing work cells with MS3 parts	An. 14, 4, 7	N/A
3.5.4.2.1	Protection of persons in the work cell	ALTER MITE MALTE MALE	N/A
3.5.4.2.2	Access protection override		N/A
3.5.4.2.2.1	Override system		N/A
8.5.4.2.2.2	Visual indicator	t lit	N/A
8.5.4.2.3	Emergency stop system	ite were mer me a	N/A
WALTER	Maximum stopping distance from the point of activation (m)	A CHIEF WHITER WHITER WH	N/A
unliek whi	Space between end point and nearest fixed mechanical part (mm)	itet mitet mitet anite	N/A
8.5.4.2.4	Endurance requirements	an an a	N/A
in min	Mechanical system subjected to 100 000 cycles of operation	LIE WALTE WALTE WALT	N/A
MILLE	- Mechanical function check and visual inspection	EX LIEX SLIEX WLIER OF	N/A
J.	- Cable assembly:	1111 1111 1111	N/A
8.5.4.3	Equipment having electromechanical device for destruction of media	MILIE WILLE WHILE WILL	N/A
8.5.4.3.1	Equipment safeguards	TEX LIER WITER WITER	N/A
8.5.4.3.2	Instructional safeguards against moving parts:	Mr. Mr. Mr. Mr.	N/A
8.5.4.3.3	Disconnection from the supply	THE STEE WITER WITE !	N/A
8.5.4.3.4	Cut type and test force (N)	20 20 T	N/A
8.5.4.3.5	Compliance	IN WHITE MALLE WALLE WA	N/A
8.5.5	High pressure lamps	No high pressure lamps used.	N/A
21/2 21/2	Explosion test	WITE WITE WILL WILL	N/A



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10.	EN IEC 62368-		20. 1.
Clause	Requirement – Test	Result – Remark	Verdict
8.5.5.3	Glass particles dimensions (mm):	The City Party Older D	N/A
8.6	Stability of equipment	- All All All A	N/A
8.6.1	General	MS1: Mass of the unit	N/A
0.0.1	Instructional safeguard:	IVIST. IVIASS OF THE UTIL	N/A N/A
8.6.2	Static stability	We we my my	N/A
8.6.2.2	Static stability test:	The state of the s	N/A N/A
		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	- t- c
8.6.2.3	Downward force test	t the the the	N/A
8.6.3	Relocation stability	111 111 111	N/A
Wer all	Wheels diameter (mm):	Will Mill Mill Mill	— N//
30t 3	Tilt test		N/A
8.6.4	Glass slide test	LIER MILE WILL MILE	N/A
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	White Mr. Mar. Mr. M.	N/A
LIEX IS	Test 1, additional downwards force (N)	it is let it	N/A
	Test 2, number of attachment points and test force (N)	- 1 mr m	N/A
THE WALLE	Test 3 Nominal diameter (mm) and applied torque (Nm)	TE WILL WILLE	N/A
8.8	Handles strength	et let liet aller	N/A
8.8.1	General	No handles	N/A
8.8.2	Handle strength test	TER STEET STEET SING	N/A
· .+	Number of handles:	14, 14, 1, 1,	_
TILE MUT	Force applied (N):	LIEK OLIEK WALTER WALTER	100 -0
8.9	Wheels or casters attachment requirements		N/A
8.9.2	Pull test	No such parts	N/A
8.10	Carts, stands and similar carriers		N/A
8.10.1	General	No carts, stands or similar carriers	N/A
8.10.2	Marking and instructions	WILL WILL WILL MILL	N/A
8.10.3	Cart, stand or carrier loading test	n t at at	N/A
415	Loading force applied (N)	LIET WILL WALL WALL	N/A
8.10.4	Cart, stand or carrier impact test	1 1 1 1 1	N/A
8.10.5	Mechanical stability	MULLE MULL MULL A	N/A
LEX.	Force applied (N):		16 16 16 1



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EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
The same		THE LITE MILL MALL	The Me	
8.10.6	Thermoplastic temperature stability	The The The	N/A	
8.11	Mounting means for slide-rail mounted eq	uipment (SRME)	N/A	
8.11.1	General	No such parts	N/A	
8.11.2	Requirements for slide rails	LIER RUTER WHITE WHITE W	N/A	
EK JE	Instructional Safeguard	: L	N/A	
8.11.3	Mechanical strength test	The war were we	N/A	
8.11.3.1	Downward force test, force (N) applied		N/A	
8.11.3.2	Lateral push force test	WILL WILL WILL WILL	N/A	
8.11.3.3	Integrity of slide rail end stops	At let let let	N/A	
8.11.4	Compliance	WILL MULL MULL MULL	N/A	
8.12	Telescoping or rod antennas		N/A	
	Button/ball diameter (mm)	: No such parts	_	

9	THERMAL BURN INJURY  Thermal energy source classifications		Р
9.2			Р
9.3	Touch temperature limits	West Mary American	Р
9.3.1	Touch temperatures of accessible parts	: (See appended table 5.4.1.4, 9.3, B.1.5, B.2.6)	INTE VIE
9.3.2	Test method and compliance	See B.1.6 & B.2.3	of Pool
9.4	Safeguards against thermal energy source	s with the the the	Р
9.5	Requirements for safeguards		P. F
9.5.1	Equipment safeguard	Enclosure provided to limit the transfer of thermal energy of internal parts under normal operating conditions and abnormal operating conditions.	P
9.5.2	Instructional safeguard	: Instructional safeguard is not required.	N/A
9.6	Requirements for wireless power transmitters		Р
9.6.1	General	See below.	- Pet
9.6.2	Specification of the foreign objects	See table 9.6.	√/P
9.6.3	Test method and compliance	: See table 9.6.	Р

10	0 RADIATION 0.2 Radiation energy source classification		P
10.2			
10.2.1	General classification	See below	Et Part
in	Lasers	et with white white who	_
NALTEK W	Lamps and lamp systems	RS1: LED only for indicating use which is considered as low	-



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40 0		30 - 30 - 30 - 30 - 30 - 30 - 30 - 30 -	
in the	711. 22.	EN IEC 62368-1	in the
Clause	Requirement – Test	Result – Remark	Verdict

0.000	Trequirement Teet		Voluiot
-ch		power application.	70
- SLIGHT J	Image projectors:		
<u> </u>	X-Ray:	" " " " " " " " " " " " " " " " " " "	
	Personal music player:		_
10.3		ary in in in any	NI/A
10.5	Safeguards against laser radiation	No local radiation	N/A
	The standard(s) equipment containing laser(s) comply:	No laser radiation	N/A
10.4	Safeguards against optical radiation from lamps and lamp systems (including LED types)		Р
10.4.1	General requirements	LED indication light: Classed as RS1 (Exempt Group)	P
ITEK WALIF	Instructional safeguard provided for accessible radiation level needs to exceed	LIER WILLER WILLER	N/A
y Test	Risk group marking and location:	and the state of	N/A
de	Information for safe operation and installation	er unit while where we	N/A
10.4.2	Requirements for enclosures		N/A
in a	UV radiation exposure:	"MUTT MUTT MUTT MUT	N/A
10.4.3	Instructional safeguard:		N/A
10.5	Safeguards against X-radiation		N/A
10.5.1	Requirements	No X-radiation	N/A
	Instructional safeguard for skilled persons	y me me me	_
10.5.3	Maximum radiation (pA/kg)	A TEX LIEX NITER ON	_
10.6	Safeguards against acoustic energy sources		N/A
10.6.1	General	TER ALTER MITTER WALT	N/A
10.6.2	Classification	Mr. Mr. Mr.	N/A
The Mari	Acoustic output L <sub>Aeq,T</sub> , dB(A)	LIER ALTER MALE MALIE	N/A
EK INLIEK	Unweighted RMS output voltage (mV):	No such electrical output socket	N/A
	Digital output signal (dBFS):	. The Mr. In .	N/A
10.6.3	Requirements for dose-based systems	- JEY JIEY MIE JNI	N/A
10.6.3.1	General requirements	m, m, m,	N/A
10.6.3.2	Dose-based warning and automatic decrease	LIFE NIFE WITE WALLE	N/A
10.6.3.3	Exposure-based warning and requirements	m m	N/A
Mur	30 s integrated exposure level (MEL30):	TER OLITE MILIE MILLE	N/A
t set	Warning for MEL ≥ 100 dB(A):	The same same	N/A
10.6.4	Measurement methods	WILL MULL MULL ON	Р
10.6.5	Protection of persons	at the title of	P
3/1/2 24	Instructional safeguards	write with white white	√ P



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Clause	Requirement – Test	Result – Remark	Verdict	
1000		TEL WALL MALL MALL	The The	
10.6.6	Requirements for listening devices (headphones, earphones, etc.)	F TEK STEK STEK	N/A	
10.6.6.1	Corded listening devices with analogue input	Mr. Mr. M.	N/A	
Lite Mal	Listening device input voltage (mV)	TEX TEX STEE	N/A	
10.6.6.2	Corded listening devices with digital input	in in in	N/A	
N. W.C.	Max. acoustic output L <sub>Aeq,T</sub> , dB(A):	THE STIFF OFFER AND	N/A	
10.6.6.3	Cordless listening devices	24 24	N/A	
WILL	Max. acoustic output L <sub>Aeq,T</sub> , dB(A):	Fr JER STE WITE	N/A	

В	NORMAL OPERATING CONDITION TESTS, ABNORMAL OPERATING CONDITION TESTS AND SINGLE FAULT CONDITION TESTS  General		JIN P
B.1			P
B.1.5	Temperature measurement conditions (See appended table B.1.5)		Р
B.2	Normal operating conditions	ex sex sex sex sizes of	P
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	Р
The A	Audio Amplifiers and equipment with audio amplifiers	WILL MALL WILL WILL	N/A
B.2.3	Supply voltage and tolerances	Rated input 9Vdc	ale P
B.2.5	Input test: (See appended table B.2.5)		P
B.3	Simulated abnormal operating conditions		Р
B.3.1	General	(See appended table B.3)	P.
B.3.2	Covering of ventilation openings	No ventilation openings.	N/A
JEK .	Instructional safeguard:	at let tet the	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	(See appended table B.3)	Р
B.3.8	Safeguards functional during and after abnormal operating conditions:	All safeguards remained effective	Р
B.4	Simulated single fault conditions	LET LET LET LITER	P
B.4.1	General	arry arry are any	Р
B.4.2	Temperature controlling device	See appended table B.4 for details	NITE PAIR
B.4.3	Blocked motor test	No motors	N/A
B.4.4	Functional insulation	See below.	Р
B.4.4.1	Short circuit of clearances for functional insulation (See appended table B.4)		Р



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- 40,	EN IEC 62368-	Carried Marie College	20. 2.	
Clause	Requirement – Test	Result – Remark	Verdict	
- Alex		E WILL THE ME WE	40	
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	P	
B.4.4.3	Short circuit of functional insulation on coated printed boards	No coated printed boards within the EUT	N/A	
B.4.5	Short-circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.4)	Р	
B.4.6	Short circuit or disconnection of passive components	(See appended table B.4)	Р	
B.4.7	Continuous operation of components  The EUT is continuous operating type and no such components intended for short time operation or intermittent operation			
B.4.8	Compliance during and after single fault conditions	No change to circuits classified in 5.3	P	
B.4.9	Battery charging and discharging under single fault conditions	Et Nifet Miliet Whitek M	N/A	
С	UV RADIATION		N/A	
C.1	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	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A	
C.2	UV light conditioning test	LIE WITE WITH WHITE	N/A	
C.2.1	Test apparatus	The state of	N/A	
C.2.2	Mounting of test samples	in the supple where and	N/A	
C.2.3	Carbon-arc light-exposure test	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A	
C.2.4	Xenon-arc light-exposure test	with with mit with	N/A	
D	TEST GENERATORS		N/A	
D.1	Impulse test generators	intit with wint win	N/A	
D.2	Antenna interface test generator	at all test their .	N/A	
D.3	Electronic pulse generator	in mer me m	N/A	
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	IING AUDIO AMPLIFIERS	N/A	
E.1	Electrical energy source classification for audio signals		N/A	
INLTER ON	Maximum non-clipped output power (W):	TER LIER ALTER SLITE	_	
	Rated load impedance (Ω):	me me in m		
The WILL	Open-circuit output voltage (V):	TEX STEX WITE WITE	_	
+ ,;;+	Instructional safeguard:	20, 20, 2	_	
E.2	Audio amplifier normal operating conditions		N/A	
, et	Audio signal source type:	The state of	_	
اله أناس	Audio output power (W)	LIFE CLIFF WIFE WALL		



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Clause	Deguirement Test	Docult Domark	Verdict
Clause	Requirement – Test	Result – Remark	Verdict
	Audio output voltage (V):	We we we we	_
white w	Rated load impedance (Ω):	alies while while while	_
et i	Requirements for temperature measurement	The state of the s	N/A
E.3	Audio amplifier abnormal operating conditions		N/A
F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND SAFEGUARDS	INSTRUCTIONAL	TEK P
F.1	General	20, 2, 7 °F	+ P
MULT.	Language	English	
F.2	Letter symbols and graphical symbols	The state of the	Р
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	WA P
F.2.2	Graphic symbols according to IEC, ISO or manufacturer specific	Graphical symbols are complied with IEC 60417, ISO 3864-2, ISO 7000 or ISO 7010.	P
F.3	Equipment markings		P
F.3.1	Equipment marking locations	The required marking is located on the enclosure of the equipment and is easily visible.	P. WILLER
F.3.2	Equipment identification markings	See below for details.	P.I
F.3.2.1	Manufacturer identification	See copy of marking plate	Р
F.3.2.2	Model identification:	See copy of marking plate	Р
F.3.3	Equipment rating markings	See below for details.	P
F.3.3.1	Equipment with direct connection to mains	Supplying by 5Vdc	N/A
F.3.3.2	Equipment without direct connection to mains	See above.	P
F.3.3.3	Nature of the supply voltage:	See copy of marking plate.	P.
F.3.3.4	Rated voltage	See copy of marking plate.	P,
F.3.3.5	Rated frequency:	DC supply	Р
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	ing his his m	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings	LEK WALTER WALTER WALTER	N/A
F.3.5.2	Switch position identification marking:	at the left left .	N/A
F.3.5.3	Replacement fuse identification and rating markings:	with the the the	N/A
Wer a	Instructional safeguards for neutral fuse:	alife alife and and	N/A



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Clause	Requirement – Test	Result – Remark	Verdict	
F.3.5.4	Replacement battery identification marking:	No such battery.	N/A	
F.3.5.5	Neutral conductor terminal	No such parts.	N/A	
F.3.5.6	Terminal marking location	The state of	N/A	
F.3.6	Equipment markings related to equipment classification	Class III equipment	N/A	
3.6.1	Class I equipment	TEX STEE STEE SINTER IN	N/A	
F.3.6.1.1	Protective earthing conductor terminal	24 24	N/A	
F.3.6.1.2	Protective bonding conductor terminals:	L LIER WITE WITE WHI	N/A	
3.6.2	Equipment class marking:	The state of	N/A	
3.6.3	Functional earthing terminal marking	NITER MILE WALL WALL	N/A	
F.3.7	Equipment IP rating marking: This equipment is classified as IPX0.		INLIEK W	
F.3.8	External power supply output marking: See copy of marking plate.		P P	
F.3.9	Durability, legibility and permanence of marking	Marking is considered to be legible and easily discernible. See also the following details.	P CIER	
F.3.10  Stiff on the same of t	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.	WAR P  SUFFER WAR	
F.4	Instructions	Let Let Jet Liet	ELTE P	
, ,,	a) Information prior to installation and initial use	See user manual	Р	
MALTE	b) Equipment for use in locations where children not likely to be present	EX MATER WALTER WALTER ON	N/A	
CIER	c) Instructions for installation and interconnection	- et let let d	N/A	
ZEAF ZA	d) Equipment intended for use only in restricted access area	mer mer mer m	N/A	
ic. Mr.	e) Equipment intended to be fastened in place	MITER MALTE MALTE WALL	N/A	
CEL CE	f) Instructions for audio equipment terminals	a state of	N/A	
211/2	g) Protective earthing used as a safeguard	THE WITE MUTE AUT A	N/A	
MILIER	h) Protective conductor current exceeding ES2 limits	A STEE WITER SINTER SUN	N/A	
d	i) Graphic symbols used on equipment	20, 2, , ,	N/A	



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Clause	Requirement – Test	Result – Remark	Verdict
NITER N	j) Permanently connected equipment not provided with all-pole mains switch	THE THE TEST	N/A
STEP ST	k) Replaceable components or modules providing safeguard function	THE THE THE	N/A
20,	Equipment containing insulating liquid	Will Mury Mury Mu	N/A
IEN STE	m) Installation instructions for outdoor equipment	at let let it	N/A
F.5	Instructional safeguards		N/A
G	COMPONENTS		Р
G.1	Switches	The Mr. M.	N/A
G.1.1	General	No switch used	N/A
G.1.2	Ratings, endurance, spacing, maximum load	me me me	N/A
G.1.3	Test method and compliance	THE LITTER SLITTER AND	N/A
G.2	Relays (the life of the life o		N/A
G.2.1	Requirements No relay used.		N/A
G.2.2	Overload test		N/A
G.2.3	Relay controlling connectors supplying power to other equipment		N/A
G.2.4	Test method and compliance		N/A
G.3	Protective devices		N/A
G.3.1	Thermal cut-offs	No such component	N/A
* WITEK	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	A TEN TEN STEN	N/A
TEX.	Thermal cut-outs tested as part of the equipment as indicated in c)	the the the	N/A
G.3.1.2	Test method and compliance	WHITE WALL WALL V	N/A
G.3.2	Thermal links	No such component	N/A
G.3.2.1	a) Thermal links tested separately according to IEC 60691 with specifics	inc me me	N/A
Me	b) Thermal links tested as part of the equipment	TE WALL WALL MALE	N/A
G.3.2.2	Test method and compliance	L A At At	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	must mare must m	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	THE MULTER MULTER WAS	N/A
G.3.5.2	Single faults conditions:	EX SLIER WITE SPITE	N/A
G.4	Connectors	70, 7, 7,	N/A
G.4.1	Spacings	No such component	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
Clause	Nequilement – rest	Nesuit – Nemark	Verdict
G.4.2	Mains connector configuration	ALL ALL ALL	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely		N/A
G.5	Wound components	TEX LIER NUTER IN	N/A
G.5.1	Wire insulation in wound components	No such component	N/A
G.5.1.2	Protection against mechanical stress	CER STER STER WIT	N/A
G.5.2	Endurance test	74 74	N/A
G.5.2.1	General test requirements	t alter miter uniter	N/A
G.5.2.2	Heat run test	70, 2, 7	N/A
ine in	Test time (days per cycle)	WITE WILL WALLE	- C
LEK SE	Test temperature (°C):	the state of	
G.5.2.3	Wound components supplied from the mains	WILL MULL MARY MARY	N/A
G.5.2.4	No insulation breakdown	1 1 1 1 1 1	N/A
G.5.3	Transformers	WALL MULL MALL	N/A
G.5.3.1	Compliance method	at let state	N/A
14, 2,	Position	Wer Mer Mer.	N/A
RLIER INL	Method of protection	It of the	N/A
G.5.3.2	Insulation	2 14 24	N/A
ien antie	Protection from displacement of windings:	The The Little Rill	_
G.5.3.3	Transformer overload tests	1/10 /10 /10	N/A
G.5.3.3.1	Test conditions	of the state with	N/A
G.5.3.3.2	Winding temperatures	74 14 14	N/A
G.5.3.3.3	Winding temperatures - alternative test method	LITER OUTER MILES	N/A
G.5.3.4	Transformers using FIW	Zu Zu z	N/A
G.5.3.4.1	General	ALTER INLIE WALTE WA	N/A
Et LEX	FIW wire nominal diameter		<del>,</del> –
G.5.3.4.2	Transformers with basic insulation only	THE MILL WHILE WALL	N/A
G.5.3.4.3	Transformers with double insulation or reinforced insulation:	- STEEL MUTER SMITH	N/A
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	TEX TEX STEEL	N/A
G.5.3.4.5	Thermal cycling test and compliance	Mr. Mr. m. m.	N/A
G.5.3.4.6	Partial discharge test	TER STER STEE WITER WITE	N/A
G.5.3.4.7	Routine test	20 20 20 E	N/A
G.5.4	Motors	No motors used.	N/A
G.5.4.1	General requirements	70, 21, 3	N/A
G.5.4.2	Motor overload test conditions	LIER LIE WILL	N/A



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Clause	Requirement – Test	Result – Remark	Verdict	
0540	District a street and to st	the with mill one	N/A	
G.5.4.3	Running overload test		N/A	
G.5.4.4.2	Locked-rotor overload test	WILL MILL MILL	N/A	
Ster St	Test duration (days):		CE	
G.5.4.5	Running overload test for DC motors	with mury mur me	N/A	
G.5.4.5.2	Tested in the unit	at the title of	N/A	
G.5.4.5.3	Alternative method	it with Aut Aug	N/A	
G.5.4.6	Locked-rotor overload test for DC motors	e at at the	N/A	
G.5.4.6.2	Tested in the unit	West West Me	N/A	
NITER IN	Maximum Temperature:	et let liet	N/A	
G.5.4.6.3	Alternative method	mer ner ne v	N/A	
G.5.4.7	Motors with capacitors	AND THE STATE OF	N/A	
G.5.4.8	Three-phase motors	in the the	N/A	
G.5.4.9	Series motors	et tet tiet ste	N/A	
	Operating voltage	Tale In The	_	
G.6	Wire Insulation		N/A	
G.6.1	General Only ES1 existed		N/A	
G.6.2	Enamelled winding wire insulation		N/A	
G.7	Mains supply cords		N/A	
G.7.1	General requirements	No such component	N/A	
t et	Туре:	W 2 24	_	
G.7.2	Cross sectional area (mm² or AWG):	A DITE WALLE WALLE	N/A	
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	LIET SLIET WILEY	N/A	
G.7.3.2	Cord strain relief	m m	N/A	
G.7.3.2.1	Requirements	LIER RITER WITE WA	N/A	
et et	Strain relief test force (N):		N/A	
G.7.3.2.2	Strain relief mechanism failure	THE MITTER STREET SUPPLY	N/A	
G.7.3.2.3	Cord sheath or jacket position, distance (mm):		N/A	
G.7.3.2.4	Strain relief and cord anchorage material	INTIE WHITE WAITE	N/A	
G.7.4	Cord Entry	a at at	N/A	
G.7.5	Non-detachable cord bend protection	Write Murie Murie M	N/A	
G.7.5.1	Requirements			
G.7.5.2	Test method and compliance	TIE WITH MITH MIT	N/A N/A	
MALIEY.	Overall diameter or minor overall dimension, <i>D</i> (mm)	at outset while while		
d	Radius of curvature after test (mm):	w v		



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- 2	EN IEC 62368-	the the the	<i>b</i> 2
Clause	Requirement – Test	Result – Remark	Verdict
G.7.6	Supply wiring space	The Auri are my	N/A
G.7.6.1	General requirements	the the title and	N/A
G.7.6.2	Stranded wire		N/A
G.7.6.2.1	Requirements	THE THE STATE	N/A
G.7.6.2.1	Test with 8 mm strand	ur mr m	N/A
G.8	Varistors	TET LIET NITER NITER	N/A
G.8.1		No such component	
	General requirements	No such component	N/A
G.8.2	Safeguards against fire	Mr. M. M. 2.	N/A
G.8.2.1	General	THE STATE OF THE SHALLE	N/A
G.8.2.2	Varistor overload test	me me m	N/A
G.8.2.3	Temporary overvoltage test	THE THE THE STATE	N/A
G.9	Integrated circuit (IC) current limiters	V. 201. 20. 2.	N/A
G.9.1	Requirements	No such component	N/A
	IC limiter output current (max. 5A)	711. 21. 1.	
الله ميارات	Manufacturers' defined drift:		_
G.9.2	Test Program		N/A
G.9.3	Compliance		N/A
G.10	Resistors		N/A
G.10.1	General	No such component	N/A
G.10.2	Conditioning	1 1 1	N/A
G.10.3	Resistor test	WITE WILL WALL WALL WAS	N/A
G.10.4	Voltage surge test	1 1 1 1 1	N/A
G.10.5	Impulse test	write with mill mi	N/A
G.10.6	Overload test	a at at let	N/A
G.11	Capacitors and RC units	WILL MUS AUS	N/A
G.11.1	General requirements	No such component	N/A
G.11.2	Conditioning of capacitors and RC units	in the time the second	N/A
G.11.3	Rules for selecting capacitors	- at alt alt of	N/A
G.12	Optocouplers	Must me my	N/A
INLIEN WAS	Optocouplers comply with IEC 60747-5-5 with specifics	No such component	N/A
TEK JE	Type test voltage V <sub>ini,a</sub> :	at at all the	
2/1/2	Routine test voltage, V <sub>ini, b</sub>	TIE MITT MITT MITT	
G.13	Printed boards	A ST SET SET	N/A
G.13.1	General requirements	Only need to comply with functional insulation, see only B.4.4.	N/A



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-20,	EN IEC 62368-	tre we we will	20. 1.
Clause	Requirement – Test	Result – Remark	Verdict
- Mar	M. M. The state of the state of	The Walter Will Will Will	21/2 21/2
G.13.2	Uncoated printed boards		N/A
G.13.3	Coated printed boards	WALL MALL MALL	N/A
G.13.4	Insulation between conductors on the same inner surface		N/A
G.13.5	Insulation between conductors on different surfaces	at alt alt of	N/A
10.	Distance through insulation:	The Aut Au	N/A
NITE.	Number of insulation layers (pcs):	t get get gree	
G.13.6	Tests on coated printed boards	The Mr. Mr.	N/A
G.13.6.1	Sample preparation and preliminary inspection	THE STEEL STEEL	N/A
G.13.6.2	Test method and compliance	The The This 2	N/A
G.14	Coating on components terminals	ITEK SITEK SLIFET SIN	N/A
G.14.1	Requirements:		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		N/A
G.15.2.1	Hydrostatic pressure test		N/A
G.15.2.2	Creep resistance test		N/A
G.15.2.3	Tubing and fittings compatibility test	+ 1	N/A
G.15.2.4	Vibration test	The Will Mult Mult	N/A
G.15.2.5	Thermal cycling test	L 12 12 12 12	N/A
G.15.2.6	Force test	MULL MULL MULL	N/A
G.15.3	Compliance	at let let	N/A
G.16	IC including capacitor discharge function (ICX)	MULTI MILE MILE V	N/A
G.16.1	Condition for fault tested is not required	No such component	N/A
	ICX with associated circuitry tested in equipment	vr. m. m. m.	N/A
er wife	ICX tested separately	Et TEX TEX STER	N/A
G.16.2	Tests Mr. Mr.	The The Man	N/A
MULLE W	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	WALTER WALTER WALTER	unti –
INLIER WILL	Mains voltage that impulses to be superimposed on	Writes Whites Whites	NITER -
TEX MITE	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test:	TEK SLIEK MITEK MAL	16th —
G.16.3	Capacitor discharge test		N/A
Н	CRITERIA FOR TELEPHONE RINGING SIGNALS		N/A
H.1	General	The state of	N/A
H.2	Method A	LIE SLIE WILL	N/A



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Clause	Requirement – Test	AND AND AND	Result – Remark	Verdict	

H.3	Method B	The said of the	N/A
H.3.1	Ringing signal	No telephone ringing signal generated within the equipment.	N/A
H.3.1.1	Frequency (Hz)	Will Mile Mar Mar	_
H.3.1.2	Voltage (V)	at all all all the	_
H.3.1.3	Cadence; time (s) and voltage (V)	s my my my	_
H.3.1.4	Single fault current (mA):	t tet the site of	_
H.3.2	Tripping device and monitoring voltage	Mr. Mr. Am.	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	untilet whilet while while	N/A
H.3.2.2	Tripping device	tet tet tet suitet	N/A
H.3.2.3	Monitoring voltage (V)	5. 24. 24. 24.	N/A
J	INSULATED WINDING WIRES FOR USE WITHO INSULATION	UT INTERLEAVED	N/A
J.1	General	e set set set sit	N/A
40, 2	Winding wire insulation	Mer Mer Mer Mer	_
NETER AND	Solid round winding wire, diameter (mm):	at the life wife	N/A
CER SITE	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²):	To the let	N/A
J.2/J.3	Tests and Manufacturing	The water and a	- 10.
K	SAFETY INTERLOCKS		N/A
K.1	General requirements	The Mr. M. M.	N/A
Writer M	Instructional safeguard:	No safety interlock provided within the equipment.	N/A
K.2	Components of safety interlock safeguard mec	hanism	N/A
K.3	Inadvertent change of operating mode	Write Mure Mure Mure	N/A
K.4	Interlock safeguard override	at tet tet tet o	N/A
K.5	Fail-safe	in my my my	N/A
K.5.1	Under single fault condition	- TEK STEK STEK MI	N/A
K.6	Mechanically operated safety interlocks	Me Me Me	N/A
K.6.1	Endurance requirement	TEX TEX STEEL WITE	N/A
K.6.2	Test method and compliance:	m. m. m.	N/A
K.7	Interlock circuit isolation	TEX STEE STEE SOUTH SOUTH	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements	of the text of	N/A
AE T	In circuit connected to mains, separation distance for contact gaps (mm):	Mus Mr An An	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
-de-	The state of the s	E. WILL MILL WILL MU	7/1
UNLIENT OF	In circuit isolated from mains, separation distance for contact gaps (mm)	tet tet lifet mir	N/A
	Electric strength test before and after the test of K.7.2	(See appended table 5.4.9)	N/A
K.7.2	Overload test, Current (A)	ULL AUT. AUT. AU	N/A
<.7.3	Endurance test	at let let let.	N/A
<b>&lt;</b> .7.4	Electric strength test	y they my my my	N/A
L	DISCONNECT DEVICES		N/A
L.1	General requirements	Mr. Mr. M. L.	N/A
L.2	Permanently connected equipment	TEX TEX LIFE OUTE	N/A
L.3	Parts that remain energized	They was the man	N/A
L.4	Single-phase equipment	TEX LIER SLIER WITE	N/A
L.5	Three-phase equipment	- 10 20 20 20 A	N/A
L.6	Switches as disconnect devices	ex liex with with my	N/A
L.7	Plugs as disconnect devices	In a contract	N/A
L.8	Multiple power sources	ALTER OLITE MALTE WALF	N/A
d.	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	Approved battery pack used	N/A
M.3	Protection circuits for batteries provided within the equipment	THE THE STILL OUTE	N/A
M.3.1	Requirements	m, m, m,	N/A
M.3.2	Test method		N/A
EK NITEK	Overcharging of a rechargeable battery	(See appended table Annex M)	N/A
CLER	Excessive discharging	(See appended table Annex M)	N/A
AEIX A	Unintentional charging of a non-rechargeable battery	No such battery used	N/A
ve. m	Reverse charging of a rechargeable battery	Built-in battery used, reverse charging is prevented	N/A
M.3.3	Compliance	No chemical leakage, no spillage of liquid, no explosion of the battery, no emission of flame or expulsion of molten metal	N/A
M.4	Additional safeguards for equipment containing lithium battery	g a portable secondary	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
m.	all all the state of	Er with with our win	7/1
M.4.1	General		N/A
M.4.2	Charging safeguards	Under normal operating conditions, abnormal operating conditions or single fault conditions, the charging voltage, charging current of the battery no exceed the maximum specified charging voltage and maximum specified charging current.	N/A
M.4.2.1	Requirements	MULL ME ME ME	N/A
M.4.2.2	Compliance ::	(See appended table M.4.2)	N/A
M.4.3	Fire enclosure:	V-0 fire enclosure used	N/A
M.4.4	Drop test of equipment containing a secondary lithium battery	LIER WHITER WHITER WHITER	N/A
M.4.4.2	Preparation and procedure for the drop test	at all all all a	N/A
M.4.4.3	Drop, Voltage on reference and dropped batteries (V); voltage difference during 24 h period (%)::	The voltage difference not exceed 5%.	N/A
M.4.4.4	Check of the charge/discharge function	Three complete discharge and charge cycles under normal operating conditions.	N/A
M.4.4.5	Charge / discharge cycle test	No fire, explosion and any electrolyte leakage	N/A
M.4.4.6	Compliance	The Wall Mar Mar A	N/A
M.5	Risk of burn due to short-circuit during carrying	g of the late of	P.T.
M.5.1	Requirement	No bare conductive terminal used	N/A
M.5.2	Test method and compliance	MITE WALTE WALL WALL	N/A
M.6	Safeguards against short-circuits	a st set set	N/A
M.6.1	External and internal faults	ALTE WALL WALL WALL	N/A
M.6.2	Compliance	The battery complied with IEC 62133-2 which considered the internal fault tests. No such explosion or fire likely to result from short circuits.	N/A
M.7	Risk of explosion from lead acid and NiCd batte	eries	N/A
M.7.1	Ventilation preventing explosive gas concentration	No such battery used	N/A
The WALL	Calculated hydrogen generation rate:	TEX STEE WITE WALLE	N/A
M.7.2	Test method and compliance	74 74	N/A
The .	Minimum air flow rate, Q (m³/h)	EX THE WHILE WHILE AND	N/A
M.7.3	Ventilation tests	The state of	N/A
M.7.3.1	General	ALTE OUT WALL WALL	N/A

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- "	EN IEC 62368-	2 41 22 3	
Clause	Requirement – Test	Result – Remark	Verdict
14700	We district the first state of the state of	THE THE WALL WALL	1 1/0
M.7.3.2	Ventilation test – alternative 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
11 - 00	Hydrogen gas concentration (%)	while fines were muse	N/A
M.7.3.3	Ventilation test – alternative 2	The state of the	N/A
20	Obtained hydrogen generation rate	WILL MET MET ME	N/A
M.7.3.4	Ventilation test – alternative 3	at the test	N/A
- 20,	Hydrogen gas concentration (%)	in the the to	N/A
M.7.4	Marking	e at all all i	N/A
M.8	Protection against internal ignition from extern with aqueous electrolyte	al spark sources of batteries	N/A
M.8.1	General	THE WALLE WALLE WALL	N/A
M.8.2	Test method	the state of	N/A
M.8.2.1	General	LIFE WALL WALL WALL	N/A
M.8.2.2	Estimation of hypothetical volume $V_Z$ (m³/s):	L A At At	Jet J
M.8.2.3	Correction factors:	White Man Aut Au	100
M.8.2.4	Calculation of distance d (mm)	at let let it	
M.9	Preventing electrolyte spillage	were my me me	N/A
M.9.1	Protection from electrolyte spillage	ALT STEE STEE	N/A
M.9.2	Tray for preventing electrolyte spillage	1 10 10	N/A
M.10	Instructions to prevent reasonably foreseeable misuse	TE MILTE WALLE WALTE	N/A
t liter	Instructional safeguard:	+ B+ AB+ JB+ S	N/A
N	ELECTROCHEMICAL POTENTIALS	The Me The The	N/A
aliet (	Material(s) used:	at let let let life	
0	MEASUREMENT OF CREEPAGE DISTANCES A	ND CLEARANCES	N/A
LTET AND	Value of X (mm)	LET THE THE NUTER	10476
P	SAFEGUARDS AGAINST CONDUCTIVE OBJEC	TS	N/A
P.1	General	See below	N/A
P.2	Safeguards against entry or consequences of e	entry of a foreign object	N/A
P.2.1	General	- CIET NITET MITTER SINI	N/A
P.2.2	Safeguards against entry of a foreign object	20, 20, 20, 2	N/A
10 TU	Location and Dimensions (mm)	No opening.	11/2
P.2.3	Safeguards against the consequences of entry of a foreign object	TEX TEX TEX	N/A
P.2.3.1	Safeguard requirements	2/12 2/12 2/1	N/A
MULLE	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment	White white will we	N/A



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20,	EN IEC 62368-	and the sales	50. do
Clause	Requirement – Test	Result – Remark	Verdict
- ale-	The state of the s	E. Will Mill M.	(1)
MALTEK N	Transportable equipment with metalized plastic parts	LEK STEK STEK MIT	N/A
P.2.3.2	Consequence of entry test	m. m. m.	N/A
P.3	Safeguards against spillage of internal liquids	TEX TEX NUTER WITE	N/A
P.3.1	General	No such liquids.	N/A
P.3.2	Determination of spillage consequences	ter siter alier anie a	N/A
P.3.3	Spillage safeguards	24. 24.	N/A
P.3.4	Compliance	A SLIEB WITE WHITE WAS	N/A
P.4	Metallized coatings and adhesives securing pa	rts	N/A
P.4.1	General	No such construction.	N/A
P.4.2	Tests	and the set	N/A
ir m	Conditioning, T <sub>C</sub> (°C)	LIFE WALL WALL WALL	3 1 C
THE TEN	Duration (weeks)	a at all all	16th -1
Q <sup>40</sup>	CIRCUITS INTENDED FOR INTERCONNECTION	WITH BUILDING WIRING	N/A
Q.1	Limited power sources	See appended table Annex Q.1	N/A
Q.1.1	Requirements	The set	N/A
he in	a) Inherently limited output	The sure sure	N/A
CEK JE	b) Impedance limited output	The state	N/A
24	c) Regulating network limited output	The West Albert Albert A	N/A
LIER	d) Overcurrent protective device limited output	+ pt ret stet s	N/A
70,	e) IC current limiter complying with G.9	The Are Are In	N/A
Q.1.2	Test method and compliance:	See below	N/A
. T. E. T.	Current rating of overcurrent protective device (A)	See appended table Annex Q.1	N/A
Q.2	Test for external circuits – paired conductor cable	No such circuit for connection to the EUT	N/A
me	Maximum output current (A)	IER WILL MALL MALL M	N/A
. Lit	Current limiting method	1 1 1 1	e <del></del>
R. T	LIMITED SHORT CIRCUIT TEST	in it is white white whi	N/A
R.1	General	No such consideration.	N/A
R.2	Test setup	MULLE MULL MULL MULL	N/A
TEX JUS	Overcurrent protective device for test:	at all set set	JIEN-
R.3	Test method	in mi mi mi	N/A
y aliet	Cord/cable used for test:	at let let let	IFF TO
R.4	Compliance	They are any an	N/A



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Vite Muste	EN IEC 62368-1				
Clause	Requirement – Test	Mur. Mr. M.	Result – Remark	Verdict	

S	TESTS FOR RESISTANCE TO HEAT AND FIRE	N/A
S.1	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W	N/A
rie an	Samples, material:	وسيرير
,t	Wall thickness (mm):	
in which	Conditioning (°C)	in, 40
MALTER	Test flame according to IEC 60695-11-5 with conditions as set out	N/A
*	- Material not consumed completely	N/A
JALAN J	- Material extinguishes within 30s	N/A
,t	- No burning of layer or wrapping tissue	N/A
S.2	Flammability test for fire enclosure and fire barrier integrity	N/A
+ ,6	Samples, material	A -
1950	Wall thickness (mm):	i ar
- LEX	Conditioning (°C):	t di
S.3	Flammability test for the bottom of a fire enclosure	N/A
S.3.1	Mounting of samples	N/A
S.3.2	Test method and compliance	N/A
itek ni	Mounting of samples:	NIER-10
-2,	Wall thickness (mm):	
S.4	Flammability classification of materials	N/A
S.5	Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W	N/A
aet .	Samples, material	164
10, 24,	Wall thickness (mm):	n, _2
EX JE	Conditioning (°C):	(18th - 1
T 20	MECHANICAL STRENGTH TESTS	Р
T.1 (100)	General	Р
T.2	Steady force test, 10 N: (See appended table T.2)	N/A
T.3	Steady force test, 30 N:	N/A
T.4	Steady force test, 100 N: (See appended table T.4)	Р
T.5	Steady force test, 250 N:	N/A
T.6	Enclosure impact test	N/A
WILL	Fall test	N/A
*	Swing test	N/A
T.7	Drop test: (See appended table T.7)	N P



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20,	EN IEC 62368-	to the me me	10. 0.
Clause	Requirement – Test	Result – Remark	Verdict
T.8	Stress relief test:	(See annended table T.8)	Р
T.9	The state of the s		- J
200	Glass Impact Test:	No such glass	N/A
T.10	Glass fragmentation test	the feet the state	N/A
4		No such glass	N/A
T.11	Test for telescoping or rod antennas	et let tet tiet	N/A
- TEK	Torque value (Nm):	No such antennas provided within the equipment.	N/A
O Marie	MECHANICAL STRENGTH OF CATHODE RAY T PROTECTION AGAINST THE EFFECTS OF IMPL		N/A
U.1	General	SLIER WILL WALLE WALLE	N/A
LIEK NALT	Instructional safeguard:	No CRT provided within the equipment.	N/A
U.2	Test method and compliance for non-intrinsical	y protected CRTs	N/A
U.3	Protective screen	TEX CIEX NITER MITE OF	N/A
V	DETERMINATION OF ACCESSIBLE PARTS	41 21 2	N/A
V.1	Accessible parts of equipment	- LIER OLIER MILIER MILI	N/A
V.1.1	General		N/A
V.1.2	Surfaces and openings tested with jointed test probes	The fact with	N/A
V.1.3	Openings tested with straight unjointed test probes	TE TE ALL MITE	N/A
V.1.4	Plugs, jacks, connectors tested with blunt probe	74, 70, 4,	N/A
V.1.5	Slot openings tested with wedge probe	* while while and	N/A
V.1.6	Terminals tested with rigid test wire	70 70	N/A
V.2	Accessible part criterion	SLIEB MITE WALL WALL	N/A
X ex wes	ALTERNATIVE METHOD FOR DETERMINING CLEARANCES FOR INSULATION IN CIRCUITS CONNECTED TO AN AC MAINS NOT EXCEEDING 420 V PEAK (300 V RMS)		N/A
EK NITER	Clearance	CH TEN TEN	N/A
Υ	CONSTRUCTION REQUIREMENTS FOR OUTDO	OR ENCLOSURES	N/A
Y.1	General	Indoor equipment	N/A
Y.2	Resistance to UV radiation	Mr. Mr. Mr. Mr.	N/A
Y.3	Resistance to corrosion	THE LIFE SUITE WITE	N/A
Y.3	Resistance to corrosion	me me in	N/A
Y.3.1	Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by:	TEX WITE WITE WITE	N/A
Y.3.2	Test apparatus	It THE THE THE	N/A
Y.3.3	Water – saturated sulphur dioxide atmosphere	THE THE THE THE	N/A
Y.3.4	Test procedure:	A A TO S	N/A



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
July 1	The state of the state of	TER WILL WILL MILL	The Alle
Y.3.5	Compliance	70° 7	N/A
Y.4	Gaskets	ALIER WITE WALLE	N/A
Y.4.1	General	The state of	N/A
Y.4.2	Gasket tests	NLIER UNLIE WALLE	N/A
Y.4.3	Tensile strength and elongation tests		N/A
nh.	Alternative test methods	Will Mary May	N/A
Y.4.4	Compression test	L st set se	N/A
Y.4.5	Oil resistance	in multi-multi-multi-	N/A
Y.4.6	Securing means	. It let the	N/A
Y.5	Protection of equipment within an outdoor encl	osure	N/A
Y.5.1	General	get telt telt	N/A
Y.5.2	Protection from moisture	in my my m	N/A
MITE	Relevant tests of IEC 60529 or Y.5.3	Et JET JEK NI	N/A
Y.5.3	Water spray test	in the m	N/A
Y.5.4	Protection from plants and vermin	A LIER STER WITE	N/A
Y.5.5	Protection from excessive dust	11. 11. 11.	N/A
Y.5.5.1	General	Let Mitter	N/A
Y.5.5.2	IP5X equipment	3 7 4	N/A
Y.5.5.3	IP6X equipment	TE MIT WALL WA	N/A
Y.6	Mechanical strength of enclosures		N/A
Y.6.1	General	I'M WALLE WALL WALL	N/A
Y.6.2	Impact test:	1 1	N/A



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The William	My his all the	EN IEC 62368-1	Missi Aller
Clause	Requirement – Test	Result – Remark	Verdict

#### ATTACHMENT TO TEST REPORT

#### IEC 62368-1

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

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

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

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

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

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

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Tr. Mer	CENELEC COMMON MODIFICATIONS (EN)	STEEL WITE WITE MILL WILL WI	Р
Whitek w	Clause numbers in the cells that are shaded light g IEC 62368-1:2020+A11:2020. All other clause num those in the paragraph below, refers to IEC 62368-Clauses, subclauses, notes, tables, figures and ant those in IEC 62368-1:2018 are prefixed "Z".	nbers in that column, except for 1:2018.	H PIES
TEX WALTE	Add the following annexes:  Annex ZA (normative)Normative references to interr corresponding European publications  Annex ZB (normative)Special national conditions  Annex ZC (informative)A-deviations  Annex ZD (informative)IEC and CENELEC code decoded	LIE WHITE WHITE WA	TEX WALTEX
1	Modification to Clause 3.		N/A
3.3.19	Sound exposure Replace 3.3.19 of IEC 62368-1 with the following definitions:		N/A
3.3.19.1	momentary exposure level, MEL metric for estimating 1 s sound exposure level from the HD 483-1 S2 test signal applied to both channels, based on EN 50332-1:2013, 4.2.  Note 1 to entry: MEL is measured as A-weighted levels in dB. Note 2 to entry: See B.3 of EN 50332-3:2017 for additional information.	Not such equipment	N/A
3.3.19.3	sound exposure, E  A-weighted sound pressure ( $p$ ) squared and integrated over a stated period of time, $T$ Note 1 to entry: The SI unit is Pa <sup>2</sup> s. $E = \int_{0}^{T} p(t)^{2} dt$	TEK WHITE WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK WHITEK	N/ASI SEE WALE  SUBJECT OF



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

Oladoo	rtoquironioni Toot	Troodit Tromant	Volunt
- Mr	THE THE THE	er alte all alle all	101
3.3.19.4	sound exposure level, SEL	20, 2	N/A
	logarithmic measure of sound exposure relative to a reference value, <i>Eo</i> , typically the 1 kHz threshold of hearing in humans.	ounties muties muties and	er murr
	Note 1 to entry: SEL is measured as A-weighted levels in dB.	LIER WIFE WHITE WHITE	Mary My
	THE STEEL WILLE MULTE MILL MINT WILL W	t at let let	JEK SLIF
	$SEL = 10 \lg \left(\frac{E}{E_0}\right) dB$	the mail mail mail	NA WAR
	Note 2 to entry: See B.4 of EN 50332-3:2017 for additional information.	WHITE WALL WALL W	ek Tek
3.3.19.5	digital signal level relative to full scale, dBFS	White Mile Miles Auto	N/A
olo 1910 Liek whis Liek whisek	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	TEX WHITEK WHITEK WHITEK	AN TEX WATE
Whitek W	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.	Whitek Multer Multer and	HEX WALTEX
2	Modification to Clause 10		N/A
10.6	Safeguards against acoustic energy sources		N/A
Mur	Replace 10.6 of IEC 62368-1 with the following:		Mrs. Mer.
10.6.1.1	Introduction	Not such equipment	N/A
	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:	unties whites white white whites whit	er autier
	<ul> <li>is designed to allow the user to listen to audio or audiovisual content / material; and</li> <li>uses a listening device, such as headphones or earphones that can be worn in or on or around the ears; and</li> <li>has a player that can be body worn (of a size suitable to be carried in a clothing pocket) and is intended for the user to walk around with while in continuous use (for example, on a street, in a subway, at an airport, etc.).</li> <li>EXAMPLES Portable CD players, MP3 audio players, mobile</li> </ul>	JUNE WHITEK	THE WALTER
	LEVAMBLES Bortoble CD players MD2 audio players mobile		100
	phones with MP3 type features, PDAs or similar equipment.	me me m	et Jet



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21/2	EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict	
Me		The Will Mill Mill	we and	
	requirements of either 10.6.2 or 10.6.3.	- L 14	Let Let	
	NOTE 1 Protection against acoustic energy sources from telecom applications is referenced to ITU-T P.360.	MILITER WHITE WHITE	ner mer a	
ALTEK WAL	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.	LIFER WHITER WHITER WH	TEK WILTER WAL	
	Listening devices sold separately shall comply with the requirements of 10.6.6. These requirements are valid for music or video mode only.	MUTER MUTER MUTER	WALTE WALTER	
	The requirements do not apply to:  – professional equipment;	MILIER WATER WITTER W	NITER WILLER WI	
	NOTE 3Professional equipment is equipment sold through special sales channels. All products sold through normal electronics stores are considered not to be professional equipment.	TEX WRITER WRITER WAS	iek on liek onli - 1714 oliek	
	hearing aid equipment and other devices for     assistive listening:	mulity mulity muli	Mrs. Mrs.	
MULIER	assistive listening;  – the following type of analogue personal music players:	MILER WALTER WALTER	WALTER WALTER	
INLIEK WAI	<ul> <li>long distance radio receiver (for example, a multiband radio receiver or world band radio receiver, an AM radio receiver), and</li> <li>cassette player/recorder;</li> </ul>	THE MILITER WIT	itek writek wr	
K WALTEK	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.	TE WHITE WHILE WHILE	MUTE MUTER	
	<ul> <li>a player while connected to an external amplifier that does not allow the user to walk around while in use.</li> </ul>	MULTER MULTER MULTER	MITER WALTER W	
	For equipment that is clearly designed or intended primarily for use by children, the limits of the relevant toy standards may apply.	LIER WHITER WHITER WH	rek write wri	
WITEK	The relevant requirements are given in EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	TEX TEX STEET	WITER WHITER	
10.6.1.2	Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz	The sale and	N/A	
unt un Elek until Auntiek Witter	The amount of non-ionizing radiation is regulated by European Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz).  For intentional radiators, ICNIRP guidelines should be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and	70.	EX MULTER MULTER	
White M	Electromagnetic Fields (up to 300 GHz). For hand- held and body mounted devices, attention is	MITTER WALTER WALTER	Will Murr A	



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1101010110011	O:: WIT	r ago 11 or or			N 0
EN IEC 62368-1					10.
Clause	Requirement – Test	The Mary All May	Result – Remark	at a	Verdict

	drawn to EN 50360 and EN 50566.	72,	J. J.
10.6.2	Classification of devices without the capacity to	estimate sound dose	N/A
10.6.2.1	General  This standard is transitioning from short-term based (30 s) requirements to long-term based (40 hour) requirements. These clauses remain in effect only for devices that do not comply with sound dose estimation as stipulated in EN 50332-	Not such equipment	N/A
	3.  For classifying the acoustic output $L_{Aeq,T}$ , measurements are based on the A-weighted equivalent sound pressure level over a 30 s period.	MILLER MULTER MULTER MULT	LIFE WINLIES
	For music where the average sound pressure (long term $L_{Aeq,7}$ ) measured over the duration of the song is lower than the average produced by the programme simulation noise, measurements may be done over the duration of the complete song. In this case, $T$ becomes the duration of the song.	TEX WILLER WALTER WALTER	MELEK MILIEK MELEK MILIEK
RITEK WILTE EK WILTE WILTEK	NOTE Classical music, acoustic music and broadcast typically has an average sound pressure (long term $L_{Aeq,T}$ ) which is much lower than the average programme simulation noise. Therefore, if the player is capable to analyse the content and compare it with the programme simulation noise, the warning does not need to be given as long as the average sound pressure of the song does not exceed the required limit. For example, if the player is set with the programme simulation noise to 85 dB, but the average music level of the song is only 65 dB, there is no need to give a warning or ask an acknowledgement as long as the average sound level of the song is not above the basic limit of 85 dB.	TEX WILLEY WHITEK WHITEK	Whitek white
10.6.2.2	RS1 limits (to be superseded, see 10.6.3.2)  RS1 is a class 1 acoustic energy source that does not exceed the following:  — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the ∠Aeq, ⊤acoustic output shall be ≤ 85 dB when playing the fixed "programme simulation noise" described in EN 50332-1.  — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 27 mV (analogue interface) or -25 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN 50332-1.	ITER WALTER	IN N/A  IN N/A



N/A

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Result – Remark	Verdict
untited whited whited whited	EX WEITER
untile white whitek whitek	
JUNITER WHITER W	White white white was a second
Tex Itex Street	N/A
wer mer in a	N/A
Not such equipment	N/A
Not such equipment	unite wat
untiek whitek wh	Et will the will be a second of the will be a second o
	Not such equipment

RS2 limits (new)

not exceed the following:

RS2 is a class 2 acoustic energy source that does

- for equipment provided as a package (player

10.6.3.3



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EN IEC 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
Me	THE THE THE	et with with out	me m	
	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	antifek whitek whitek whi	PLITER WHITER WAS	
whitek whitek	connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output level, integrated over one week, as described in EN50332-3, shall be ≤ 15 mV (analogue interface) or -30 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN 50332-1.	UNLIER WHILER WHILER	untile untilek untilek untilek u	
10.6.4	Requirements for maximum sound exposure	in me me m	N/A	
10.6.4.1	Measurement methods All volume controls shall be turned to maximum during tests.	Not such equipment	N/A	
21x 21	Measurements shall be made in accordance with EN 50332-1 or EN 50332-2 as applicable.	untile white white w	UK SAL.	
10.6.4.2	Protection of persons	MITE WA	L' P'AL	
	Except as given below, protection requirements for parts accessible to ordinary persons, instructed persons and skilled persons are given in 4.3.	TE WALTE WALTE	MIN TEX WALE	
	NOTE 1 Volume control is not considered a safeguard.	WALTER WALTER WALTE.	aury, aur	
	Between RS2 and an <b>ordinary person</b> , the <b>basic safeguard</b> may be replaced by an <b>instructional safeguard</b> in accordance with Clause F.5, except that the <b>instructional safeguard</b> shall be placed on the equipment, or on the packaging, or in the instruction manual.	MULTER MULTER MULTER WEI	et white a	
	Alternatively, the <b>instructional safeguard</b> may be given through the equipment display during use.	EX MALTEX MALTER WALTER	White White	
	The elements of the <b>instructional safeguard</b> shall be as follows:	MALIER MALIER MALIER	WALTER WALTER	
	- element 1a: the symbol (1977), IEC 60417-6044 (2011-01)	Writek Muritek Muritek Mu	TEX MULTER W	
	<ul> <li>– element 2: "High sound pressure" or equivalent wording</li> <li>– element 3: "Hearing damage risk" or equivalent wording</li> </ul>	TEX MULTER MULTER WILL	Mu Ter Mur	
	element 4: "Do not listen at high volume levels for long periods." or equivalent wording	MULTER WALTER WALTER	MULTE MULTE	
	An equipment safeguard shall prevent exposure	et let tet	The Will.	



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	EN IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
ar	THE THE STATE OF	Et Wille Will alle	4100 411
	of an <b>ordinary person</b> to an RS2 source without	70 1	et et
	intentional physical action from the <b>ordinary</b>	LEK STEE STEEL	William William
	<b>person</b> and shall automatically return to an output	and any a	. 2
	level not exceeding what is specified for an RS1		et lit
	source when the power is switched off.	TEK TEK SITE OU	الما المناولة
	The equipment shall provide a means to actively	ing the the	
	inform the user of the increased sound level when	at the second	t little i
	the equipment is operated with an output	ER TIER STIFF WITH	are are
	exceeding RS1. Any means used shall be	24. 24. 24.	
	acknowledged by the user before activating a	a state	76 JE
	mode of operation which allows for an output	LITE MILL MILL	The The
	exceeding RS1. The acknowledgement does not	21/2 211 20	
	need to be repeated more than once every 20 h of	A A A	TER TER
	cumulative listening time.	alife while and wi	11/2
	IN LET TEX STER WITH WITH WITH	20 20	at at
	NOTE 2 Examples of means include visual or audible signals.	at at all s	ET STEE
	Action from the user is always needed.	The Will Mur. Mur.	211 -21,
	NOTE 3 The 20 h listening time is the accumulative listening		*
	time, independent of how often and how long the personal	A THE THE LITTER	all and
	music player has been switched off.	with white when	20, 20.
	A <b>skilled person</b> shall not be unintentionally	1	24 26th
	exposed to RS3.	LIER OLITER MLIE IN	Write Mur.
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	2 2 2	
	provided below when tested according to EN	14 16	
	50332-3, using the limits from this clause.	TER SLIFE WILL WILL	The The
	THE THE THE WALL WALL WALL WALL	20, 20,	
	The manufacturer may offer optional settings to	L LET LET LEET	COLOR STATE
	allow the users to modify when and how they wish	WILL WILL WALL	11/2 20
	to receive the notifications and warnings to	20, 20	JL 24
	promote a better user experience without	LIK TEK TEK	LIE WITE
	defeating the safeguards. This allows the users to	meile when while w	27,
	be informed in a method that best meets their		A 24
	physical capabilities and device usage needs. If	LET LET LIET LI	C. C. C. C.
	such optional settings are offered, an	the me me	20 20
	administrator (for example, parental restrictions,		- /
	business/educational administrators, etc.) shall be	ell the ties with	and and
	able to lock any optional settings into a specific	in in in	40.
	configuration.	, 4	- LEV - LEV
	oormgard.com		
	a range and an an a	LIEN SLIEN WIFE	ne me
	The personal music player shall be supplied with	MILIER MILIER WILIER	Mr. Mur.
	The personal music player shall be supplied with easy to understand explanation to the user of the	Whitek whitek whiteh	TEX TEX
	The personal music player shall be supplied with easy to understand explanation to the user of the dose management system, the risks involved, and	Whitek whitek whitek	TEX WILEX
	The personal music player shall be supplied with easy to understand explanation to the user of the dose management system, the risks involved, and how to use the system safely. The user shall be	MULTER MULTER MULTER	TEX WILEY
	The personal music player shall be supplied with easy to understand explanation to the user of the dose management system, the risks involved, and how to use the system safely. The user shall be made aware that other sources may significantly	MILITER WHITER WHITER	unt. witek
	The personal music player shall be supplied with easy to understand explanation to the user of the dose management system, the risks involved, and how to use the system safely. The user shall be made aware that other sources may significantly contribute to their sound exposure, for example	MILITER WHITER WHITER WAS	nt, mitt
	The personal music player shall be supplied with easy to understand explanation to the user of the dose management system, the risks involved, and how to use the system safely. The user shall be made aware that other sources may significantly	Whitek whitek whitek whi	nur and
untited white	The personal music player shall be supplied with easy to understand explanation to the user of the dose management system, the risks involved, and how to use the system safely. The user shall be made aware that other sources may significantly contribute to their sound exposure, for example work, transportation, concerts, clubs, cinema, car	MINITER WHITER WHITER WHITE WH	N/A
10.6.5.2	The personal music player shall be supplied with easy to understand explanation to the user of the dose management system, the risks involved, and how to use the system safely. The user shall be made aware that other sources may significantly contribute to their sound exposure, for example work, transportation, concerts, clubs, cinema, car races, etc.	JUNITER WHITER WHITER WHITE WH	N/A
O.6.5.2	The personal music player shall be supplied with easy to understand explanation to the user of the dose management system, the risks involved, and how to use the system safely. The user shall be made aware that other sources may significantly contribute to their sound exposure, for example work, transportation, concerts, clubs, cinema, car races, etc.  Dose-based warning and requirements	JUNITER WHITER WHITER WALLER	N/A



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
Me	Will the the tenth of	er alle alle and	me me
	acknowledgement. In case the user does not	20, 20	1
	acknowledge, the output level shall automatically	THE THE THE	WILL WILL
	decrease to compliance with class RS1.	were increased in	2
	The warning shall at least clearly indicate that	1 1 1 1 1 1	TEX JEX
	listening above 100 % CSD leads to the risk of	LIER NITE WILL WAS	100
4 1	hearing damage or loss.	1 2 m. 2 2.	
10.6.5.3	Exposure-based requirements	at let let it	N/A
	With only dose-based requirements, cause and	interior	20, 20,
	effect could be far separated in time, defying the	the state	10 10
	purpose of educating users about safe listening	TER SITE MILL	mer with
	practice. In addition to dose-based requirements,	The Mr. M.	
	a PMP shall therefore also put a limit to the short-	A SH SH	TEN LIFE
	term sound level a user can listen at.	WITE WILL MALL MI	The same
	The exposure-based limiter (EL) shall	20 20	at at
	automatically reduce the sound level not to	THE THE LIFE OUT	11 21 20
	exceed 100 dB(A) or 150 mV integrated over the	L. Mr. Mr. Mr.	20
	past 180 s, based on methodology defined in EN	1 1 1 1	- 4
	50332-3.	Sik still mile with	Mr. Mr.
	The EL settling time (time from starting level	20, 20, 2	
	reduction to reaching target output) shall be 10 s	A LET LET	ALTEN MATE
	or faster.	aller were aller	11.
	Test of EL functionality is conducted according to		at let
	EN 50332-3, using the limits from this clause. For	CITE OF	
	equipment provided as a package (player with its	2 20 20	
	listening device), the level integrated over 180 s		The second second
	shall be 100 dB or lower. For equipment provided	effer mile while while	21/2 211
	with a standardized connector, the unweighted	70	21- 2
	level integrated over 180 s shall be no more than 150 mV for an analogue interface and no more	E- TEK ITEK NITEN	WILL WILL
	than -10 dBFS for a digital interface.	me me m	20.
	than 10 abi 6 for a digital interface.	L A St	TEX SEX
	NOTE In case the source is known not to be music (or test	LITER MATE WALL W	in the
10.6.6	signal), the EL may be disabled.  Requirements for listening devices (headphone	e earnhones etc.)	N/A
	40, 40, 5	- C C C C C	
0.6.6.1	Corded listening devices with analogue input	Not such equipment	N/A
	With 94 dB LAeq acoustic pressure output of the	A LEK JEK JE	" . LI " . MI
	listening device, and with the volume and sound settings in the listening device (for example, built-	in when my	20,
	in volume level control, additional sound features		_EF _E
	like equalization, etc.) set to the combination of	TEN LITER OLIVE	WILL WILL
	positions that maximize the measured acoustic	211, 21, 20,	
	output, the input voltage of the listening device	at at let	JER JEE
	when playing the fixed "programme simulation	CLIFE WITH WILL WI	1112
	noise" as described in EN 50332-1 shall be ≥ 75	10, 70,	+ +
	mV.	CENT TENT OF ST	11/12 01
	NOTE The values of 94 dB and 75 mV correspond with 85 dB and 27 mV or 100 dB and 150 mV.	Aut mus M	
0.6.6.2	Corded listening devices with digital input	th lifet aller aller	N/A
	With any playing device playing the fixed	21/2 21/2 22	
	"programme simulation noise" described in EN	et et et	ALTER STIE
	50332-1, and with the volume and sound settings	12 The 12 The 12 The	11. 20.



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	EN IEC 62368-1	Life mere where whi	
Clause	Requirement – Test	Result – Remark	Verdict
10.6.6.3	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.  Cordless listening devices In cordless mode,  — with any playing and transmitting device playing the fixed programme simulation noise described in	E STEP WIFE WILL	N/A
	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.	JUNELLE WILLER W	TEX WALTER WALTER
10.6.6.4	Measurement method  Measurements shall be made in accordance with EN 50332-2 as applicable.	THE WALTER W	N/A
3	Modification to the whole document		Р



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4	SII ()			
" Me		EN IEC 62368-1		
Clause	Requirement – Test	is mer me m	Result – Remark	Verdict

el		e of certain substa ent is restricted v					. 55
A A	dd the follow	ving note:	*	et se	CIEN SI	ER WILL NOT	Arr.
M	odification	to Clause 1					Р
WILLE OF	9"			AV AV		7. 10, -21	1 C . W
, t	Y.4.5	Note					7.t
NALTE	10.6.1	Note 3	F.3.3.6	Note 3	Y.4.1	Note	NITER
7,1			Table 39				20,
TEX WILL	8.0.4.2.3	Note		and 5	10.5.3	NOTE Z	المال
16. 21.	8.5.4.2.3	Note	10.2.1	Note 3 and 4	10.5.3	Note 2	10
LIEK	5.6.8	Note 2	5.7.6	Note	5.7.7.1	Note 1 and Note 2	5 th
ANDER 4						and 4	L.
	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3	A EIF
MULI	5.4.10.2.1	Note	5.4.10.2.2	Note	5.4.10.2.3	Note	MALTE
, t	Table 13						
LIER NIL	5.4.2.3.2.4	Note 2	5.4.2.5	Note 2	5.4.5.1	Note	er unit
71 21			Table 12				77)
ALTEK I	5.2.2.2	Note	5.4.2.3.2.2	Note c	5.4.2.3.2.4	Note 1 and 3	CENT .
Mur.	3.3.8.3	Note 1	4.1.15	Note	4.7.3	Note 1 and 2	el <sup>ete</sup> .
t let	0.2.1	Note 1 and 2	1	Note 4 and 5	3.3.8.1	Note 2	TEX-



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Clause	Requirement – Test	Result – Remark	Verdict
21/2 1	on the state of	the wife will while while	2/1/2
4.21  White white  White white  White white  White white  White	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.	Not directly connected to the mains	N/A  IN EX INDICATE  IN EX IND
6	Modification to 5.4.2.3.2.4		N/A
5.4.2.3.2.4	Add the following to the end of this subclause: The requirement for interconnection with external circuit is in addition given in EN 50491-3:2009.	No connection to external circuit.	N/A
7	Modification to 10.2.1		N/A
10.2.1	Add the following to c) and d) in table 39: For additional requirements, see 10.5.1.	No such radiation from the equipment.	N/A
8	Modification to 10.5.1		N/A



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EN IEC 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
10.5.1	Add the following after the first paragraph:	They were the	N/A
antiek whi Ek whife whifek whifek whifek	For RS 1 compliance is checked by measurement under the following conditions:  In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or pre-sets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made.  NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.  The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm²,	antitek antite	JUNITER WINTER W
	at any point 10 cm from the outer surface of the apparatus.  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.	Multer whiter whiter whiter whiter	unifek watek
	For RS1, the dose-rate shall not exceed 1 μSv/h taking account of the background level.		EK MULIEK MUL
LIEK	NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996.		- LIFE OLIFE
9	Modification to G.7.1		N/A
G.7.1	Add the following note:  NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in Annex ZD.	UNLIER WATER WALTER	N/A
10	Modification to Bibliography		Р



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The Music	Mr. Mr. All.	EN IEC 62368-1	THE OUTER WITER WI	The Marie Marie
Clause	Requirement – Test	Artic Marie My My	Result – Remark	Verdict

"IL"	10 VI 10 11	ALTE MET WALL WALL	an.
, Et	Add the following notes for the standards indicated	The the state of	Р
AUTER OF	IEC 60130-9 IEC 60269-2 IEC 60309-1 IEC 60364 IEC 60364 IEC 60664-5 IEC 61508-1 IEC 61558-2-4 IEC 61558-2-6 IEC 61643-311 IEC 61643-321 IEC 61643-331 IEC 600269-2 NOTE Harmonized as EN 606 IEC 61643-321 IEC 61643-331 NOTE Harmonized as EN 616	69-2. 09-1. I in HD 384/HD 60364 series. 01-2-4. 64-5. 32:1998 (not modified). 08-1. 58-2-1. 58-2-4. 58-2-6. 43-1. 43-311.	JANE WALLEY WALL
11	ADDITION OF ANNEXES		Р
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (	(EN)	Р
4.1.15  INCIENT OF SEEK WINTER  WINTER	Denmark, Finland, Norway and Sweden  To the end of the subclause the following is added:  Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socketoutlet.  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"	Not directly connected to the mains	N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/A
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	TEK MALTEK MALTEK MALTEK MALTEK	N/A



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VILL MULL	Ang Ang Ang Ang	EN IEC 62368-1	TIET MITES WALFER	The Marie And
Clause	Requirement – Test	Le Albert Albertain	Result – Remark	Verdict

5.2.2.2	Denmark	No high touch current	N/A
	After the 2nd paragraph add the following:	measured.	MILLE
	A warning (marking safeguard) for high touch current is required if the touch current exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	LIER WHITER WHITER WHITER	Wallek M
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 mile mile mil	unt was
	For separation of the telecommunication network from earth the following is applicable:	MULTE WILL WILL AN	TEX TEX
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	write milit was was	TEX
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	TER WILL MILL MILL	712 - 717 711 - 711
	one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	White while while	iek mutek
	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	united united	t pritest 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 on	an white
	<ul> <li>passes the tests and inspection criteria of 5.4.8 with an electric strength test of 1,5 kV multiplied by 1,6 (the electric strength test of 5.4.9 shall be performed using 1,5 kV),</li> </ul>	united whited whited white	WATER ON
	and	at ret ret wet	NI EK MI
	is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5 kV.	Whi while while wh	TEV WALTER
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	WILLER MUTER MUTER MUTER	* JULIER O
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	TEX WHITEK WHITE	White Mi
	the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3	itex ritex writer with	EXMITEX



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211	EN IEC 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict			
24	testing, is tested with an impulse test of 2,5 kV	White Will Mr.	THE WAY			
	<ul> <li>defined in 5.4.11;</li> <li>the additional testing shall be performed on all the test specimens as described in EN 60384-14;</li> </ul>	unties mutes mutes and	TEK WILTER WA			
IEK WILTER	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 MULTER MULTER	y united white			
5.5.2.1	Norway	TEX LIEX NITER	N/A			
	After the 3rd paragraph the following is added:	The Mr. M.	at at			
	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	UNLIER WATER WATER W	er ler a			
5.5.6	Finland, Norway and Sweden	No such resistors.	N/A			
	To the end of the subclause the following is added:	A TITEL WITER WITER	MITEX MITEX			
	Resistors used as <b>basic safeguard</b> or bridging <b>basic insulation</b> in <b>class I pluggable equipment type A</b> shall comply with G.10.1 and the test of G.10.2.	whitek whitek whitek	UNITER WINITER			
5.6.1	Denmark	No such equipment.	N/A			
	Add to the end of the subclause Due to many existing installations where the socket-outlets can be protected with fuses with higher rating than the rating of the socket-outlets the protection for pluggable equipment type A shall be an integral part of the equipment.  Justification:	THE WALTER WALTER WALTER	WALLE WALLE			
	In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	UNITER WHITER WALTER W	WILLER MUTTER			
5.6.4.2.1	Ireland and United Kingdom	at at at a	N/A			
	After the indent for <b>pluggable equipment type A</b> , the following is added:	tile muli muli mu	71, 71,			
	<ul> <li>the protective current rating is taken to be 13</li> <li>A, this being the largest rating of fuse used in the mains plug.</li> </ul>	et united united white	MUTTER MUTTE			
5.6.4.2.1	France	THE LIE WIFE	N/A			
	After the indent for <b>pluggable equipment type A</b> , the following is added:  – in certain cases, the <b>protective current rating</b> of the circuit supplied from the mains is taken as 20 A instead of 16 A.	Wite Mure Muret M	itek antekan ek sek st			
5.6.5.1	To the second paragraph the following is added:	The anti- water water	N/A			
WALTER	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 <sup>2</sup> to 1,5 mm <sup>2</sup> in cross-sectional area.	* White white white	MULLIN MULTER			



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Lite Maria	The The All A	EN IEC 62368-1	Vice Angre
Clause	Requirement – Test	Result – Remark	Verdict

- 4h -		The state of the state of	-7,2,
5.6.8	Norway	1 1 1 1	P
	To the end of the subclause the following is added:	MILIER MILIER WHITE WHILE	uni.
	Equipment connected with an earthed mains plug is classified as <b>class I equipment</b> . See the Norway marking requirement in 4.1.15. The symbol IEC 60417-6092, as specified in F.3.6.2, is	LIER WHITER WHITER WHITER W	NITEK W
ill andie	accepted.	EX TEX TEEN WITH THE	WILL
5.7.6	Denmark	Mr. M. M.	Р
	To the end of the subclause the following is added:	WHITEK WHITEK WHITEK WHITE	WALTE
Mrtie M	The installation instruction shall be affixed to the equipment if the <b>protective conductor current</b> exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	MILIER MALIER MALIER MALIER.	ingerie di
5.7.6.2	Denmark	TEX ITEX STILL BUTE OF	B/L
	To the end of the subclause the following is added:	t it let tet it	et life
	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.	white met and and	TEX
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.	THE WALTER WALTER WALTER WALTER	SEX WILLEY WILLEY
	It is however accepted to provide the insulation external to the equipment by an adapter or an interconnection cable with galvanic isolator, which may be provided by a retailer, for example.	Writek writek writek writek	NATER VIL
	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:	at antiet united united unit	EK WALT
	"Apparatus connected to the protective earthing of the building installation through the mains connection or through other apparatus with a	White white was wifet writer	NITEK W
	connection to protective earthing – and to a television distribution system using	ing any any any	TEX SIN
	coaxial cable, may in some circumstances create a fire hazard. Connection to a television distribution system therefore has to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, and EN COZOR 141).	AND WHITE WHITE WHITE	X WALTER
ANTIT S	see EN 60728-11)"  NOTE In Norway, due to regulation for CATV-installations, and	MALIER WALTER WALTER WALTER	Mur.



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EN IEC 62368-1						
Clause	Requirement – Test	Result – Remark	Verdict			
NA C	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.	the text text of	* NITE*			
	Translation to Norwegian (the Swedish text will also be accepted in Norway):	MULTE MULT WILL WITH	WILLER WILL			
	"Apparater som er koplet til beskyttelsesjord via nettplugg og/eller via annet jordtilkoplet utstyr – og er tilkoplet et koaksialbasert kabel-TV nett, kan forårsake brannfare. For å unngå dette skal det ved tilkopling av apparater til kabel-TV nett installeres en galvanisk isolator mellom apparatet og kabel-TV nettet."	EX WHITEX WHITEX WHITEX WHI	E 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."	ANTE MILIER WALTER WHITER	un tex whitex			
8.5.4.2.3 N	United Kingdom  Add the following after the 2 <sup>nd</sup> dash bullet in 3 <sup>rd</sup> 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	No external circuits.	N/A			
B.3.1 and	required where there is a risk of personal injury.  Ireland and United Kingdom	Not directly connected to the	N/A			
B.4 STEEL WALLES	The following is applicable:  To protect against excessive currents and short-circuits in the primary circuit of <b>direct plug-in equipment</b> , tests according to Annexes B.3.1 and B.4 shall be conducted using an external miniature circuit breaker complying with EN 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 <b>direct plug-in equipment</b> , until the requirements of Annexes B.3.1 and B.4 are met	mains  White  Wh	t anitek w avetek avet ek avetek			
G.4.2	Denmark  To the end of the subclause the following is	Not directly connected to the mains	N/A			
	added:  Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011.  CLASS I EQUIPMENT provided with socket-	TEX WHITEX WHITEX WHITEX	MIEK WALT			
ONLIEK WA	outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring	ifet nifet nifet snife	* WALTER W			



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	EN IEC 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
Jelle .	All the T	it will will will all	74
	rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	THE LIFE OLITER WITE	MITEK
	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.	THE WHITE WHITE WHITE WHITE	WALTER WAL
	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 VINLIER
	Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c.	TEX MUTER MUTER MUTER	in the m
	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	MUNITER WALTER WALTER WALTER	K Mariek
	Justification: Heavy Current Regulations, Section 6c	ALTER MATER	MALTER
G.4.2	United Kingdom	Not directly connected to the	N/A
	To the end of the subclause the following is added:	mains	VILL MU
	The plug part of direct plug-in equipment shall be assessed to BS 1363: Part 1, 12.1, 12.2, 12.3,	Whitek Whitek Whitek Whi	ie write
	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	ay street and
G.7.1	United Kingdom		N/A
MULL	To the first paragraph the following is added:	White white white wh	
White white	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.	MULTER WHITER WHITER WHITER	WALTER WA
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.	* WHITE MALTER WA	TER WALTE



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Clause	Requirement – Test	Result – Remark	Verdict	
sh.	THE THE THE THE	the country with while while	-40-	
G.7.1	Ireland To the first paragraph the following is added:  Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in accordance with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use Regulations: 1997. S.I. 525 provides for the recognition of a standard of another Member State which is equivalent to the relevant Irish Standard	Whitek whitek whitek whitek	N/A	
G.7.2	Ireland and United Kingdom	TEL LIE NIE ME	N/A	
unitek wi	To the first paragraph the following is added:  A power supply cord with a conductor of 1,25 mm <sup>2</sup> is allowed for equipment which is rated over 10 A and up to and including 13 A.	unifek unifek unifek unifek	JALTEK.	
ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)			
10.5.2 I	Germany The following requirement applies:  For the operation of any cathode ray tube intended for the display of visual images operating at an acceleration voltage exceeding 40 kV, authorization is required, or application of type approval (Bauartzulassung) and marking.  Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM.  NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-	No CRT within the equipment.	N/A	
ZD	38116 Braunschweig, Tel.: Int+49-531-592-6320, Internet: http://www.ptb.de  IEC and CENELEC CODE DESIGNATIONS FOR	FLEVIRLE CORDS (FN)	P	



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

Type of flexible cord	Code de	esignations
	IEC	CENELEC
PVC insulated cords	ı	
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	ноз ₹∨4-н
Crosslinked PVC insulated and sheathed cord	60245 IEC 88	H03V4V4-H
Cords insulated and sheathed with halogen- free thermoplastic compounds		
Light halogen-free thermoplastic insulated and sheathed flexible cords		H03Z1Z1-F H03Z1Z1H2-
Ordinary halogen-free thermoplastic insulated and sheathed flexible cords		H05Z1Z1-F H05Z1Z1H2-



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EN IEC 62368-1						711	
	Clause	Requirement – Test	Vr. 211. 20.	Result – Remark	et d	Verdict	

5.2	TABLE: Classification of electrical energy sources						N/A
Supply Voltage	Location (e.g.	Test conditions Parameters					ES Class
vollage	designation)		U (V)	I (mA)	Type <sup>1)</sup>	Additional Info <sup>2)</sup>	Class
et set	TEK STEK M	Normal	9VDC	y, 2,	SS	DC	ES1
9VDC	EUT	Abnormal	Jest .	TER TITE	11 - W	rr Alle	24/2
9000	NI EX WALTER WALTE	Single fault – SC/OC	24 X	it Tet	JEK- NY	EK TEK	MALTEK

## Supplementary information:

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

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

5.4.1.8	TABLE: Working	voltage measu	rement		N/A
Location		RMS voltage (V)	Peak voltage (V)	Frequency (Hz)	Comments
LI WILL	10, 10,	7 A - "	, et , tet	_d <u>-</u>	mile will with w
at at	3 ' A ' /	,   T'	100 5	2 /	
Supplemen	ntary information:				
<u></u>	All All I	الا المالة المال	- 14 14	, , , , , ,	

5.4.1.10.2 TABLE: Vicat softening temperature of thermoplastics				
Method		ISO 306 / B50	IL WILL	_
Object/ Part No./Material	Thickness (mm) T softenir		ng (°C)	
The Marian	1 1 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	NITER INTERNALLY	m, m	11
Supplementary information:				
Supplementary information:		The all of the	an an	l

5.4.1.10.3 TABLE: Ball pressure test of thermoplastics					N/A		
Allowed imp	oression diame	eter (mm)	:	≤ 2 m	m	, EX	_
Object/Part	No./Material	Manufacturer/trademark	Thickness	(mm)	Test temperature (°C)		ression eter (mm)
T. Mr.	any and	- 1 <sup>11</sup>	50th -5	et .	Lifeth Martin Wil	in all	ri Mirr
Supplementary information:							
100	n m	n A	At All	d	ET RITE INIT	" The	ale.

5.4.2, 5.4.3	TABLE: Minimum Clearances/Creepage distance	N/A
2.7.7.7		



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Lie Mail	Mer mer Alexander	EN IEC 62368-1	Viz. Mr.
Clause	Requirement – Test	Result – Remark	Verdict

Clearance (cl) and creepage distance (cr) at/of/between:	U <sub>p</sub> (V)	U <sub>rms</sub> (V)	Freq <sup>1)</sup> (kHz)	Required cl (mm)	cl (mm)	E.S. <sup>2)</sup> (V)	Required cr (mm)	cr (mm)
- + + + + +	July	ALTER .	NUE .	mr m	111	70	1	· -

## Supplementary information:

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

5.4.4.2	TABLE: Minimur	n distance through insu	lation	et et	N/A
Distance the (DTI) at/of	rough insulation	Peak voltage (V)	Insulation*	Required DTI (mm)	Measured DTI (mm)
War.	m. n	T THE	LIER TIER IN	ier write w	" " " "
Supplement	ary information:				
*See also s	ub-clause 5.4.4.9	" at the tite.	LIEK NLTER WALTE	MULL MULL	me m

5.4.4.9	TABLE: Solid i	TABLE: Solid insulation at frequencies >30 kHz						
Insulation	material	E <sub>P</sub>	Frequency (kHz)	K <sub>R</sub>	Thickness d (mm)	Insulation	V <sub>PW</sub> (Vpk)	
<u></u>			THE WALL	-125 201	7/1	ζη, α.	,	
Suppleme	ntary information:							
	. 77 77		ie wir.		2	,		

5.4.9	TABLE: Electric strength	tests		N/A	
Test voltag	ge applied between:	Voltage shape (Surge, Impulse, AC, DC, etc.)	Test voltage (V)	Breakdown Yes / No	
Functional	74, 74, 74	of the life all	WELL MELL M	r. Mr. M	
764 S	er lier street south	Mr. All M. M.	- 1 15 1	the state of	
Basic/supp	plementary:	ALL LIER ALTER MATERIA	INLIE WALL WALL	The The	
of Jer	CLIEB WITE WALLE WA	1. M M. A.	-t at 18t	TEX- STE	
Reinforced		et aliek guilet aguit agu	it with the	211 211	
- UTER	MITER ANTIE MALL MALL	'u' - 'u' - '	# JEH JEH	TER -TER	
Routine Te	ests:	ALTER MITER MALTE WALL	mer mer a	1, 20,	
-UEB- IN	IFF WALTE WALL WALL	The Tar of the	- TEX ITEX	LEK WELLER IN	
Supplemen	ntary information:				
JE	TOTAL WALL WALL A	y v	LET LET LE	, CIE	

5.5.2.2	TABLE:	Stored discharge o	n capacitors	at at	et let	N/A
Location		Supply voltage (V)	Operating and fault condition 1)	Switch position	Measured voltage (Vpk)	ES Class



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	EN IEC 62368-1		
Verdict	10 24 20	Requirement – Test	Clause
ś	See Mr. M.	Requirement – Test	Clause

A A 5	et liet miter	Normal	70, - 70		# -#
Mur. Mar. My	TEK TEK	Single fault: SC/ OC	MULLE MULLE	mil. mi	no Tun

## 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 o	f protective conduc	ctors and termina	ations	N/A	
Location		Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)	
36th . J	er with with wall	Mr M.		at at a	ن <sub>ان ش</sub> ار ا	
Suppleme	ntary information:					
JE 55	THE WAY WELL	mer an a		e et et	SEE S	

5.7.4	TABL	E: Unearthed acces	ssible parts				N/A	
Location		Operating and	Supply	F	Parameters			
		fault conditions	Voltage (V)	Voltage (V <sub>rms</sub> or V <sub>pk</sub> )	Current (A <sub>rms</sub> or A <sub>pk</sub> )	Freq. (Hz)		
L/N to secondary		Normal	The - William	S	2		A 18	
terminals		Abnormal: overload	TEX MITER	NITER WILLES	Tip Muria M	71 MV	Agur.	
MALTER.		Single fault: SC/ OC	4	SEK NITEK MI	iek n <del>ijek</del> mi	ER ILE	MULTE	
Suppleme	ntary info	ormation:				_		
SC= short	circuit; (	DC= open circuit	at 16	the street with	antit white	are.	11/2 21	

5.7.5 TABLE: Earthed acces	sible conductive part			N/A		
Supply voltage (V)	the way were any any					
Phase(s)	[] Single Phase; [] Three Phase: [] Delta [] Wye					
Power Distribution System	[]TN []TT []IT	m m	70. 1			
Location	Fault Condition No in IEC 60990 clause 6.2.2	Touch current (mA)	Comme	nt		
TEK TIER SITER WITE SINCE	211. 211. 22	·	Let Let	15EF		
We all the same	LET SEE STEEL	The Will M	The Maria	i. 14		
Supplementary Information:						
in the shift	* * * * * * *	er de d	an an	-Ur		

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



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EN IEC 62368-1									
Clause	Require	ment – Test	MILL	MUT.	VI. 20	Resul	t – Remarl	(	Verdict
<sup>E</sup> F	e v	er -tier	MITER	Mariet M	16 017 C	111	200	in. in	# <del>-</del> #
Supplemen	tary inforr	mation:							

6.2.2 T	6.2.2 TABLE: Power source circuit classifications							
Location	Operating and fault condition	Voltage (V)	Current (A)	Max. Power <sup>1)</sup> (W)	Time (S)	PS class		
Wireless outpo	ut Output	7.85	1.91	14.99	3S	PS1		
Wireless output	t U5 pin 5-3 SC	0 0	- 0	0	3S	PS1		

#### Supplementary information:

Abbreviation: SC= short circuit; OC= open circuit

- 1) Measured after 3 s for PS1 and measured after 5 s for PS2 and PS3.
- \* Unit shutdown immediately, recoverable, no hazard.

6.2.3.1	.3.1 TABLE: Determination of Arcing PIS						
Location		Open circuit voltage after 3 s (Vpk)	Measured r.m.s current (A)	Calculated value	Arcing PIS? Yes / No		
711. 12.		_at -at as	it with white	Mur - Mur M		20. A	
Supplementary information:							
11. 20.		Et TE SLIFE	Life .	in in	10.		

6.2.3.2							
Location		Operating and fault condition	Dissipate power (W)		cing PIS? es / No		
All primary circuits/con		Whitek white whi with	the top	(de	Yes claration)		

#### Supplementary information:

All circuits are considered as resistive PIS;

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

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

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

8.5.5	TABLE: High pro	essure lamp	H STEK STEEL	NLIER WALTE WA	N/A
Lamp manu	ıfacturer	Lamp type	Explosion method	Longest axis of glass particle (mm)	Particle found beyond 1 m Yes / No
it alifer	WHILE WALL AN	· 20 20	A A A	· TEX	RLIEF - NLIE
Supplement	tary information:				_
JE .C	rie wir wir.	m m	1 1 1	LET LET	Wer all of

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r	in min	EN IEC 62368-1	LIET WILLER WHILE MY	The same
	Clause	Requirement – Test	Result – Remark	Verdict

0 1 1	4.0	<u> </u>		-83/12"	2 21 /		<del>L 2+</del>		1 T	C AV
Supply voltag	ge (V).				9.0V	J. J.	2110	are ar	r. 140	_
Max. transmit power of transmitter (W)					10W					_
			eiver and contact			eiver and contact		iver and at of 2 mm		eiver and at ce of 5 mm
Foreign obje	ects	Object (°C)	Ambient (°C)	Obje (°C		Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)
Steel disc	С	25.7	24.8	43.	7	24.8	39.3	24.8	25.6	24.8
Aluminum r	ing	25.5	24.8	42.	3	24.8	39.1	24.8	25.5	24.8
Aluminum	foil	25.5	24.8	41.	2	24.8	38.9	24.8	25.5	24.8
Supplementa	ry info	rmation:								

5.4.1.4, 9.3, B.1.5, B.2.6	TABLE: Temp	ABLE: Temperature measurements								
Supply voltage	ge (V)		:	9VDC	5E* -5	EL WILLE	الاسمالية	_		
Ambient tem	perature durin	g test T <sub>amb</sub>	(°C):	2/22-1	, <u>-</u>		7 st st	_		
Maximum m	easured tempe		Allowed T <sub>max</sub> (°C)							
PCB near U1	112 21	45.3	10	- dy 30	NETER S	130				
CBB body				42.5	4/12 1	11 14		105		
Wireless win	ding	211 211		48.1	JE# J	ITEL REFER	WILL WI	130		
Internal enclo	osure near wire	eless windir	ig 💉	43.2	1. 70.	70	,c-	Ref.		
Ambient	m m			40.0	3 Elk - 2516	TO THE STATE OF	16-17 - 17 C	mr. m		
External encl	losure near wir	eless windi	ng	40.9	20,		A A	77		
Ambient	10, 20,	2,	*	24.8	NIXE.	in the -in	Truc.	24 24		
Temperature winding:	T of	t <sub>1</sub> (°C)	R <sub>1</sub> (Ω)	t <sub>2</sub> (°C)	$R_2(\Omega)$	T (°C)	Allowed $T_{\text{max}}$ (°C)	Insulation class		
,	et et	State St	10 TO 10	AILE.	W 1	20		.++		

#### Supplementary information:

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

B.2.5	T/	ABLE: Inp	out test	*	TELL	JEH N	ITER SINIT	WALL WALL WALL	√/P
U (V)	Hz	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/statu	S

<sup>\*</sup> Temperature limit for TS1 of accessible enclosure according to Table 38 to be measured at normal ambient temperature.

Note 1: The apparatus was submitted and evaluated for maximum manufacturer's recommended ambient (Tma) of 40°C.



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

9 -- 1.8 2 17.1 -- -- Output: 15W

#### Supplementary information:

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	ult condit	ion te	sts	Et JEY JEH (	TER PALT
Ambient ter	nperature T <sub>amb</sub> (	°C)			:	See b	elow	_
Power sour	ce for EUT: Mar	ufacturer, mo	del/type,	outputrati	ng:	<u>LEH</u>	TIER STEE WIT	_
Componer No.	nt Condition	Supply voltage (V)	Test time	Fuse no.		use ent (A)	Observation	
U1	S-C	5VDC	10mins	SE JUNIT	ا <sub>لای</sub> ک	Unit shut down immed damage, no hazard. Recoverable.		diately. No
CBB	S-C	5VDC	10mins	WAL	ALTEX	Unit shut down immediate damage, no hazard. Recoverable.		diately. No
NTC	S-C	5VDC	10mins	LIEK W	Unit shut down imme damage, no hazard. Recoverable.		diately. No	

#### Supplementary information:

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

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

M.3	TABLE: Pr	otection circu	its for batteri	es provided w	vithin the eq	uipment	N/A		
Is it possible	e to install the	battery in a re	verse polarity	position?:	Mr. Mr.	- 242 21	_		
			Charging						
Equipment Specification			Voltage (V)		Current (A)				
			20 20		et tet	LIEK RUTE	inlife wil		
				Battery spe	ecification				
		Non-rechargeable batteries Rechargeable batteries							
		Discharging	Unintentional	Char	ging	Discharging	Reverse		
Manufacturer/type		current (A)	charging current (A)	Voltage (V)	Current (A)	current (A)	charging current (A)		
All .	JER JER	WITE WITE	21/2 21/2	20, 2	4 4	at a	et Jet .		

Note: The tests of M.3.2 are applicable only when above appropriate data is not available.

<sup>&</sup>lt;sup>1)</sup> Supply by external DC source, <sup>2)</sup> Measured battery cells voltage and current.

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



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C. C	Mr. Mc. Mr.	EN IEC 62368-1	TER WITER WHITE	With Ming Ming
Clause	Requirement – Test	TILE MILE MY MILE	Result – Remark	Verdict

Specified bat	ttery tempera	ature (°C)	216		:	10	0-45
Component No.	Fault condition	Charge/ discharge mode	Test time	Temp. (°C)	Current (A)	Voltage (V)	Observation
ALTE WALLE	Mrs. M	10 20	70	, et	TEX	JEF . W	EL WITE WHITE WAL

#### 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.

	BLE: Charging s tery	afeguards for	equipment co	ontaining a se	econdary lithium	N/A
Maximum spec	fied charging volt	age (V)		: NIFE WIFE	WALL WALL	_
Maximum spec	fied charging curr	ent (A)	1	20, 2	at alt	_
Highest specifie	ed charging tempe	rature (°C)		NITE WILL	Wer a	
Lowest specifie	d charging tempe	rature (°C)			et let i	
Battery	Operating		Measurement	<u> </u>	Observat	ion
manufacturer/ty	pe and fault condition	Charging	Charging	Temp.		

Battery	Operating		Measuremen	t	Observation
manufacturer/type	and fault condition	Charging voltage (V)	Charging current (A)	Temp. (°C)	
WILER WILLE	Normal	lun.	TEN STEN		MATER MALIER WALTER WAS
est lest	Abnormal-	12, 70			A SHE THE SHE
t "t "Ex	Single fault – ()	ALTEK WALT	ex writer w	LIE WALTE	inter white white whi

### Supplementary information:

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

Q.1	TABLE: Circuits inte	nded for inte	rconnectio	n with build	ding wiring	(LPS)	N/A
Output Circuit	Condition	11 (\( \( \) \( \)	11 ()() Time (a)	I <sub>sc</sub>	(A)	S (VA)	
Circuit	Condition	U <sub>oc</sub> (V)	Time (s)	Meas.	Limit	Meas.	Limit
TEX	TER OUTER MITE	aris and	10,			et s	ek Tek
Mur Mu		at Jet	LITER OF	LIET WITE	William M	in the	1/1 1
TEK SIT	MITTER WALTER WA	200	70 20	a st	t	CENT SEP	alifek mi
ne in	4 4 4	y Jet	ALTER MLT	" WILL "	West Mes	The.	20, 20,

### Supplementary Information:

SC = short circuit, OC = open circuit

\* Unit shutdown immediately, recoverable, no hazard.

T.2, T.3,	TABLE: Steady force test	, , , , , , , , , , , , , , , , , , ,	P.
T.4, T.5	my my m	ex rex stee wife with	White ar



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Le militar	My My All M	EN IEC 62368-1	Mrs. Mrs.
Clause	Requirement – Test	Result – Remark	Verdict

Material	Thickness (mm)	Probe	Force (N)	Test Duration (s)	Observation
Plastics*	See table 4.1.2	mr. 1	100	TEL SLIE	Enclosure remained intact, no crack/ opening developed
Plastics*	See table 4.1.2	nli un	100	5	Enclosure remained intact, no crack/ opening developed
Plastics*	See table 4.1.2	TER WALTE	100	5	Enclosure remained intact, no crack/ opening developed
	Plastics*	Plastics* See table 4.1.2  Plastics* See table 4.1.2  Plastics* See table	Plastics* See table 4.1.2  Plastics* See table 4.1.2  Plastics* See table 4.1.2	(mm) (N)  Plastics* See table	Plastics*   See table     100   5

Supplementary information:

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

T.6, T.9 TA	ABLE: Impa	ct test	N/A		
Location/Part	Material	Thickness (mm)	Height (mm)	Observation	
21/2 21/2	20	1 1t	EF JE	NITE WILL MAN WALL WALL	
TEX ST	LIER	WITE WILL WI	in 14	the state of the s	
m. m	2,,	st at a	H LIEK	WITE WILL MILL MILL WITE THE THE	
Supplementary	/ information	n:			

T.7	ABLE: Drop	test	JER J	fee nith with whi with the P	
Location/Part	Material	Thickness (mm)	Height (mm)	Observation	
Enclosure Top	Metal*	See table 4.1.2	1000	Enclosure remained intact, no crack/ open developed. No hazards.	
Enclosure Side	Plastics*	See table 4.1.2	1000	Enclosure remained intact, no crack/ opening developed. No hazards.	
Enclosure Metal* Bottom		See table 4.1.2	1000	Enclosure remained intact, no crack/ opening developed. No hazards.	

Г.8 Т.	ABLE: Stres	s relief test			P
_ocation/Part	Material	Thickness (mm)	Oven Temperatur e (°C)	Duration (h)	Observation
Enclosure	Plastic*	See table 4.1.2	70°C	7h	Enclosure remained intact, no cracking/opening developed in the enclosure joint. No hazards.
Supplementary	information:				



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L. Alex	All Sales and Al	N IEC 62368-1	ing and
Clause	Requirement – Test	Result – Remark	Verdict

17tB22: 7ttomat	ive method for determinir	ig illining cioarances	distances N/A	
Clearance distanced between:	Peak of working voltage (V)	Required cl (mm)	Measured cl (mm)	
The second second	at the the	rie wir - wir wir	24, 24, 2	
upplementary information:		<u> </u>		





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EN IEC 62368-1					Ch.
Clause	Requirement – Test	West Albert The Tay	Result – Remark	Verdict	

4.1.2	TABLE: Critical components information					
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity <sup>1</sup>	
Interior wire	Interchangeable	1015	105°C, VW-1, 600V, 18AWG	UL 758	UL'U	
Wood Enclosure	Interchangeable	Interchangeabl e	HB, 120°C, min. thickness 2.0mm	UL94	UL	
PCB	Jiangxi Zhong Xin Hua Electronics Industry Co Ltd	ZXH-2	V-0, 130°C, thickness 1.6mm.	UL 796, UL94	UL TEL	
Wireless coil	Shenzhen Defuruilin Electronics Technology Co., Ltd.	A11	6.3±10% μH at 100KHz, 130°C, N1: Φ0.08mm x 105P x 10Ts	IEC/EN 62368- 1	Tested with appliance	

Supplementary information:

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





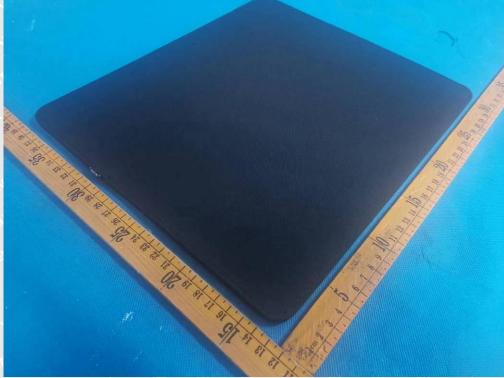


Figure 1: External view for model MO6416

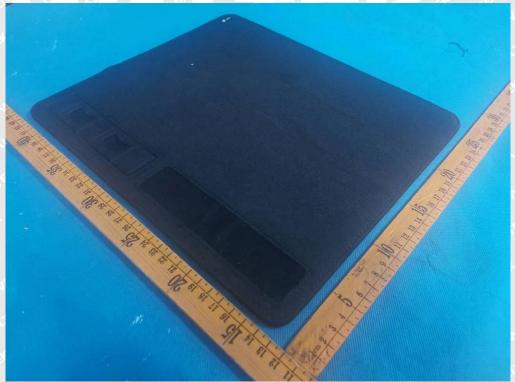


Figure 2: External view for model MO6416





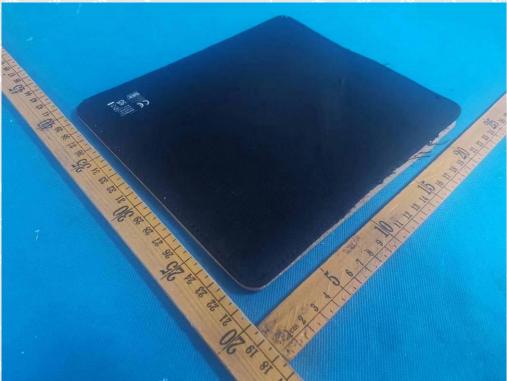


Figure 3: External view for model MO6476

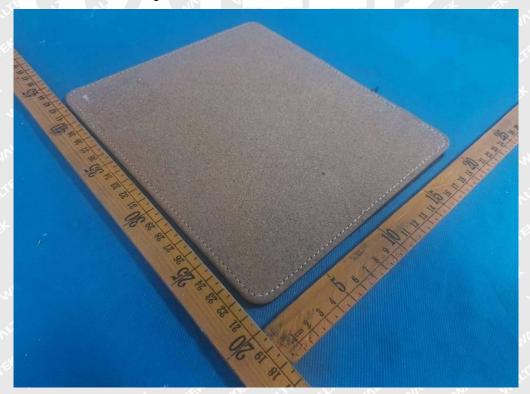


Figure 4: External view for model MO6476







Figure 5: External view for model MO6484

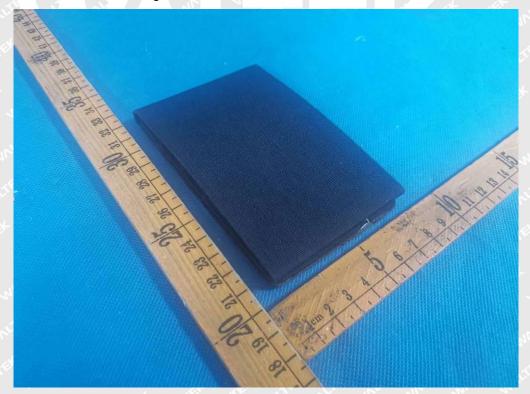


Figure 6: External view for model MO6484

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# **Photo Documentation**



Figure 7: External view



Figure 8: External view





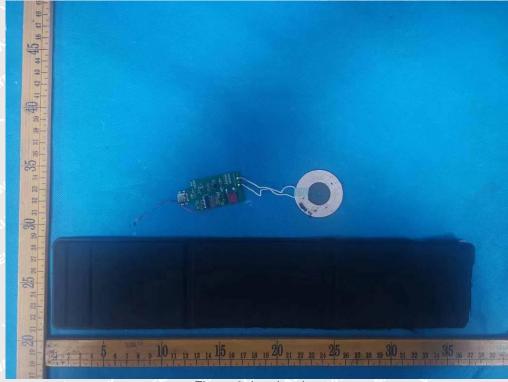


Figure 9: Interior view

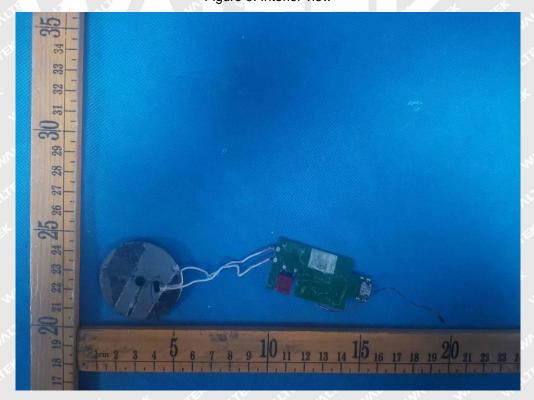


Figure 10: PCB view



Reference No.: WTF22D11232112Y



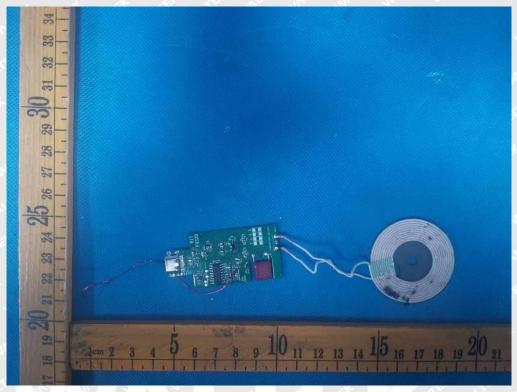


Figure 11: PCB view

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