

TEST REPORT

Reference No.	· WTF21D09097221Y
Applicant	: Mid Ocean Brands B.V.
Address	 7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloon, Hong Kong
Manufacturer	: 116266
Address	and the rest rest street while while while
Product	: Wireless speaker limestone
Model(s)	: MO9916
Total pages	: 58 pages and 4 pages of photo.
Standards	: 🛛 EN 62368-1:2014+A11:2017
	Audio/video, information and communication technology equipment- Part 1:Safety requirements
Date of Receipt sample	: 2021-09-18
Date of Test	: 2021-09-18 to 2021-09-27
Date of Issue	: 2021-11-29
Test Result	: Pass of the white white white white

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:

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Lucas Cao / Project Engineer

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Sam Qi / Designated Reviewer

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Test item description: Wireless speak	ker limestone
Trademark MOB	
Model and/or type reference	
Rating(s) Input: 5Vd.c.(S Internal lithium	upplied by micro USB port) -ion Battery: 3.7Vdc
Whether parts of tests for the product have been subc Yes X If Yes, list the related test items and lab information: Test items: Lab information:	
Summary of testing:	ret ret wet with milt white white
Tests performed (name of test and test clause): - EN 62368-1:2014+A11:2017 The submitted samples were found to comply with the requirements of above specification.	Testing location: No. 77, Houjie Section, Guantai Road, Houjie Town, Dongguan City, Guangdong, China
Summary of compliance with National Difference List of countries addressed: National Differences a checked.	s: and Group Differences for CENELEC countries were

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The report fulfils the requirement of EN 62368-1:2014+A11:2017



Copy of marking plate:

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



Remark:

- 1. The above markings are the minimum requirements required by the safety standard. For the final production, the additional markings which donot 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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1º	77
	1.0

TEST ITEM PARTICULARS:	WITE WALL WALL WALL WALL WALL
Classification of use by:	Ordinary person
when when we are not not	Instructed person
tet stet with with white white white	Skilled person
wat was not in the state of	Children likely to be present
Supply Connection	AC Mains DC Mains
with white where whe are the total	External Circuit - not Mains connected
at all the state where with a second	- 🛛 ES1 🗌 ES2 🔲 ES3
Supply % Tolerance	+10%/-10%
- let ret ster street muter muter w	+20%/-15%
while while whe whe will she	+6%/-10%
that at let the state only	None None
Supply Connection – Type:	pluggable equipment type A -
the start state state while	non-detachable supply cord
LIET MILE WALL WALL WALL WALL WALL	appliance coupler
in a state set set set where	 direct plug-in mating connector
at antifer instruments which when when	pluggable equipment type B -
and the set set set and	non-detachable supply cord
LIFE NIFE WITE WITE WALL WALL WALL WALL WALL	appliance coupler
with the state of the mil	permanent connection
the set of a set of a set of	mating connector
and the second	other: not Mains connected
Considered current rating of protective device as part of building or equipment installation	/_ A;
Shi shi s	Installation location:building;equipment
Equipment mobility	 ☐ movable ☐ hand-held ☐ transportable ☐ stationary ☐ for building-in ☐ direct plug-in
white with any the test of	□ rack-mounting □ wall-mounted
Over voltage category (OVC)	
white white with any the set is the	⊠other: not Mains connected
Class of equipment	🗌 Class I 🔄 Class II 🖂 Class III
whit whit will be the total	Class II with functional earthing
Access to action	□ Not classifed
Access location	□ restricted access location
Pollution degree (PD)	□ PD 1 ☑ PD 2 □ PD 3
Manufacturer's specified maxium operating ambient :	25°C
IP protection class	
Power Systems	□ TN □ TT□ IT – V _{L-L} ⊠ not Mains connected
Altitude during operation (m)	⊠ 2000 m or less □_5000_ m
Altitude of test laboratory (m)	⊠ 2000 m or less □ m
Mass of equipment (kg)	⊠ 0.28kg

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POSSIBLE TEST CASE VERDICTS:	is while while whe whe way the		
- test case does not apply to the test object:	N/A		
- test object does meet the requirement	P (Pass)		
- test object does not meet the requirement:	F (Fail)		
TESTING:	in the set of the		
Date of receipt of test item:	2021-09-18		
Date (s) of performance of tests	2021-09-18 to 2021-09-27		

GENERAL REMARKS:

"(see Enclosure #)" refers to additional information appended to the report.

"(see appended table)" refers to a table appended to the report.

Throughout this report a 🗌 comma / 🖂 point is used as the decimal separator.

GENERAL PRODUCT INFORMATION:

Product Description

- 1. The EUT covered by this report is a Wireless speaker limestone used as audio apparatus. It is supplied by external power supply or by internal lithium ion battery, indoor use only.
- 2. The manufacturer specified maximum ambient temperature is 25°C. The specified altitude is up to and including 2000 m above sea level.
- 3. The EUT including below parts:

- The user manual specified the relevant information for installation instruction.

Model Differences

N/A

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



ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE:

(Note 1: Identify the following six (6) energy source forms based on the origin of the energy.) (Note 2: The identified classification e.g., ES2, TS1, should be with respect to its ability to cause pain or injury on the body or its ability to ignite a combustible material. Any energy source can be declared Class 3 as a worse case classification e.g. PS3, ES3.

Electrically-caused injury (Clause 5):

(Note: Identify type of source, list sub-assembly or circuit designation and corresponding energy source classification)

Example: +5 V dc input, ES1

Source of electrical energy	Corresponding classification (ES)		
Input micro USB connector +5 V dc	ES1		
All internal circuit	ES1		
Battery circuit	ES1		

Electrically-caused fire (Clause 6):

(Note: List sub-assembly or circuit designation and corresponding energy source classification) Example: Battery pack (maximum 85 watts):

Source of power or PIS	Corresponding classification (PS)		
All internal circuit	PS1 M	-	

Injury caused by hazardous substances (Clause 7)

(Note: Specify hazardous chemicals, whether produces ozone or other chemical construction not addressed as part of the component evaluation.) Example: Liquid in filled componentGlycol

Source of hazardous substances	Corresponding chemical
N/A	N/A

Mechanically-caused injury (Clause 8)

(Note: List moving part(s), fan, special installations, etc. & corresponding MS classification based on Table 35.)

Example: Wall mount unitMS2

Source of kinetic/mechanical energy	Corresponding classification (MS)		
Edges and corners of enclosure	MS1		
Mass of the unit	MS1		

Thermal burn injury (Clause 9)

(Note: Identify the surface or support, and corresponding energy source classification based on type of part, location, operating temperature and contact time in Table 38.) Example: Hand-held scanner – thermoplastic enclosure

Source of thermal energy	Corresponding classification (TS)
All accessible parts	TS1

Radiation (Clause 10)

(Note: List the types of radiation present in the product and the corresponding energy source classification.) Example: DVD – Class 1 Laser Product

Type of radiation	Corresponding classification (RS)		
LED indicating	RS1		



Clause	Possible Hazard Electrically-caused injury			
5.1				20 - A
Body Part	Energy Source	Safeguards		
(e.g. Ordinary)	A WALTER WALTER WALTER W	Basic	Supplementary	Reinforced (Enclosure)
Ordinary person	ES1: All internal circuit	N/A	N/A	N/A
Ordinary person	ES1: Lithium battery output	N/A	N/A	N/A
6.1 1 10 10	Electrically-caused fire	Electrically-caused fire		
Material part		MULE MULT	Safeguards	ne m
(e.g. mouse enclosure)	Energy Source	Basic	Supplementary	Reinforced
Enclosure and PCB	PS1	N/A	N/A	N/A
Battery	PS1	N/A	N/A	N/A
7.1	Injury caused by hazardous substances			
Body Part	Energy Source	de la	Safeguards	Intre whi
(e.g., skilled)	(hazardous material)	Basic	Supplementary	Reinforced
N/A	N/A	N/A	N/A	N/A
8.1	Mechanically-caused injury			to the
Body Part	Energy Source		Safeguards	main
(e.g. Ordinary)	(MS3:High Pressure Lamp)	Basic	Supplementary	Reinforced (Enclosure)
Ordinary person	MS1: Edges and corners	N/A	N/A	N/A
Ordinary person	MS1: Mass of the unit	N/A	N/A	N/A
9.1	Thermal Burn	en en	and the second	the state
Body Part	Energy Source	Safeguards		the way
(e.g., Ordinary)	(TS1)	Basic	Supplementary	Reinforced
Ordinary person	TS1: All accessible parts	N/A	N/A	_√N/A ⊸
10.1 1	Radiation			
Body Part	Energy Source	INLIER IN	Safeguards	an an
(e.g., Ordinary)	e.g., Ordinary) (Output from audio port)	Basic	Supplementary	Reinforced
Ordinary person	RS1: LED indicating	N/A	N/A	N/A

(1) See attached energy source diagram for additional details.

(2) "N" - Normal Condition; "A" - Abnormal Condition; "S" Single Fault



N

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IEC/EN 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
aller	when we we do not	inter white white white wh	- m	
4	GENERAL REQUIREMENTS		P	
4.1.1	Acceptance of materials, components and subassemblies	See appended table 4.1.2	- ⁿ P	
4.1.2	Use of components	Components which are certified to IEC and/or national standards are used correctly within their ratings. Components not covered by IEC standards are tested under the conditions present in the equipment. See also Annex G		
4.1.3	Equipment design and construction	MUTER MALTE WALL WAL	AUL P	
4.1.15	Markings and instructions:	(See Annex F)	P	
4.4.4	Safeguard robustness	white white white white y	Р	
4.4.4.2	Steady force tests:	(See Annex T.2 T.5)	P	
4.4.4.3	Drop tests:	(See Annex T.7)	Р	
4.4.4.4	Impact tests	at writer with white white	N/A	
4.4.4.5	Internal accessible safeguard enclosure and barrier tests	at a state	N/A	
4.4.4.6	Glass Impact tests		N/A	
4.4.4.7	Thermoplastic material tests	(See Annex T.8)	°° ₽∩	
4.4.4.8	Air comprising a safeguard:	in the second	N/A	
4.4.4.9	Accessibility and safeguard effectiveness	TET WALTE WALT WALT WAT	P	
4.5	Explosion	No explosion	P	
4.6	Fixing of conductors	white white white white	Р	
4.6.1	Fix conductors not to defeat a safeguard	tet itet alles alles	N P	
4.6.2	10 N force test applied to:	and an an and	N/A	
4.7	Equipment for direct insertion into mains socket - outlets	LIFE WALTER WALTE WALT WA	N/A	
4.7.2	Mains plug part complies with the relevant standard:	et white white white white	N/A	
4.7.3	Torque (Nm)	the set set set set	N/A	
4.8	Products containing coin/button cell batteries	which which all and	N/A	
4.8.2	Instructional safeguard	tet ster with mite	N/A	
4.8.3	Battery Compartment Construction	he we we so	N/A	
MULT	Means to reduce the possibility of children removing the battery:	TEX MULTER WALTER WALTER WA	1400 V	
4.8.4	Battery Compartment Mechanical Tests:	t at at at at	N/A	



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Clause	Requirement – Test	Result – Remark	Verdict	
4.8.5	Battery Accessibility	WILL WILL SUCCESS	N/A	
4.9	Likelihood of fire or shock due to entry of conductive object:	No likelihood of conductive object entry into enclosure.	Р	

5	ELECTRICALLY-CAUSED INJURY	WALTE WALT WALL WAT I	Р
5.2.1	Electrical energy source classifications	(See appended table 5.2)	P.
5.2.2	ES1, ES2 and ES3 limits	ES1 J	Р
5.2.2.2	Steady-state voltage and current	et tet the with with	N/A
5.2.2.3	Capacitance limits:	No electrical energy source is a capacitor	N/A
5.2.2.4	Single pulse limits	No single pulse introduced	N/A
5.2.2.5	Limits for repetitive pulses	No repetitive pulses introduced	N/A
5.2.2.6	Ringing signals	No ringing signal generated	~ N/A
5.2.2.7	Audio signals	No audio signal	P
5.3	Protection against electrical energy sources	a st st set se	Р
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	All internal circuit was ES1	Р
5.3.2.1	Accessibility to electrical energy sources and safeguards	All internal circuit was ES1	Р
5.3.2.2	Contact requirements	All internal circuit was ES1	N/A
t st	a) Test with test probe from Annex V	i shat the	N/A
m	b) Electric strength test potential (V)	TE MILLE MILLE WALL WALL	N/A
NJTEK I	c) Air gap (mm)	t at all set set	N/A
5.3.2.4	Terminals for connecting stripped wire	with the the said	N/A
5.4	Insulation materials and requirements	tet set with with a	P
5.4.1.2	Properties of insulating material	No insulation as a safeguard.	N/A
5.4.1.3	Humidity conditioning:	SEX WIFE MUTE MUTE MA	N/A
5.4.1.4	Maximum operating temperature for insulating materials	(See appended table 5.1.4)	P
5.4.1.5	Pollution degree:	white white white white	~
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	WALTER WALTER WALTER WALTER	N/A
5.4.1.5.3	Thermal cycling	at let get wet	∕∽ N/A
5.4.1.6	Insulation in transformers with varying dimensions	inter white white white w	N/A
5.4.1.7	Insulation in circuits generating starting pulses	at att att when we	N/A
5.4.1.8	Determination of working voltage	when the same	N/A
5.4.1.9	Insulating surfaces	* ret ret with an	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	and the set of the	N/A
5.4.1.10.2	Vicat softening temperature	WALLS WALL WILL	N/A
5.4.1.10.3	Ball pressure	at at at	N/A
5.4.2	Clearances	MULT MULT WITH A	N/A
5.4.2.2	Determining clearance using peak working voltage	the set set a	N/A
5.4.2.3	Determining clearance using required withstand voltage	the set of	N/A
20 1	a) a.c. mains transient voltage	when the me	24 24
NUTER OF	b) d.c. mains transient voltage	- let set set	STER MIT
	c) external circuit transient voltage	me me m	
The MART	d) transient voltage determined by measurement	The state states	NUTE MUTE
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	at the set of	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	in which which which	N/A
5.4.3	Creepage distances:	white white white	N/A
5.4.3.1	General	at a stat	N/A
5.4.3.3	Material Group	a me	20 20 -
5.4.4	Solid insulation		N/A
5.4.4.2	Minimum distance through insulation	up my my m	N/A
5.4.4.3	Insulation compound forming solid insulation	ret stet stret with	N/A
5.4.4.4	Solid insulation in semiconductor devices	an an	N/A
5.4.4.5	Cemented joints	t until aller and	N/A
5.4.4.6	Thin sheet material	when we want	N/A
5.4.4.6.1	General requirements	- ALTER MUTER MALTER	N/A
5.4.4.6.2	Separable thin sheet material		- N/A
with	Number of layers (pcs)	LIER WALTER WALTER WAY	N/A
5.4.4.6.3	Non-separable thin sheet material	a at at a	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	WALTE WALT WALT	N/A
5.4.4.6.5	Mandrel test	SUTER MUTER MALTER	N/A
5.4.4.7	Solid insulation in wound components	the second second	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz:	ALTER WALTER WALTER W	N/A
5.4.5 🦽	Antenna terminal insulation	i i at	N/A
5.4.5.1	General	ren untile white white	N/A
5.4.5.2	Voltage surge test	i stat A	- N/A

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Clause	Requirement – Test	Result – Remark	Verdict
5.4.6	Insulation of internal wire as part of supplementary safeguard	t at at at	N/A
5.4.7	Tests for semiconductor components and for cemented joints	sone som son so	N/A
5.4.8	Humidity conditioning	White white white white	N/A
et set	Relative humidity (%):	a at at at	
2m	Temperature (°C)	white white white white	the the
. Jet	Duration (h):	at at let set	
5.4.9	Electric strength test:	me me me	N/A
5.4.9.1	Test procedure for a solid insulation type test	- let let lifet a	N/A
5.4.9.2	Test procedure for routine tests	mer mer mer co	N/A
5.4.10	Protection against transient voltages between external circuit	minet aminet amine amin	N/A
5.4.10.1	Parts and circuits separated from external circuits	at let set state	N/A
5.4.10.2	Test methods	the man man	N/A
5.4.10.2.1	General	at the state states	N/A
5.4.10.2.2	Impulse test:	when the we as	N/A
5.4.10.2.3	Steady-state test	the south of the	N/A
5.4.11	Insulation between external circuits and earthed circuitry		N/A
5.4.11.1	Exceptions to separation between external circuits and earth	and some way so	N/A
5.4.11.2	Requirements	the white white white	N/A
NITEK O	Rated operating voltage U _{op} (V):	t at all the	Ster State
the sta	Nominal voltage U _{peak} (V):	white mer mer wi	- <i>in</i> .
iner and	Max increase due to variation U _{sp}	at the set of	et nuite
a de	Max increase due to ageing ΔU_{sa} :	Mur mur mur mu	
er white	U_{op} = U_{peak} + ΔU_{sp} + ΔU_{sa} :	all all aller aller mark	N Stor W
5.5	Components as safeguards	the second second	de de
5.5.1	General	No such components as safeguards.	N/A
5.5.2	Capacitors and RC units	THE LIFE ALTER AN	N/A
5.5.2.1	General requirement	men men in m	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	Marter Monther Monther Monthe	N/A
5.5.3	Transformers	at at at at	N/A
5.5.4	Optocouplers	and the she	N/A
5.5.5	Relays		N/A



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Clause	Requirement – Test	Result – Remark	Verdict
5.5.6	Resistors	the superior and	N/A
5.5.7	SPD's	t set stet with with	N/A
5.5.7.1	Use of an SPD connected to reliable earthing	when the set of the	N/A
5.5.7.2	Use of an SPD between mains and protective earth	Mailer white white white	N/A
5.5.8	Insulation between the mains and external circuit consisting of a coaxial cable	MITER WAITER WAITER WAITER W	N/A
5.6	Protective conductor	at at all states	N/A
5.6.2	Requirement for protective conductors	Class III equipment, no protective conductor employed.	N/A
5.6.2.1	General requirements	white white white whe	∽ ^{∿™} N/A
5.6.2.2	Colour of insulation	at at at at	N/A
5.6.3	Requirement for protective earthing conductors	inter water water water	N/A
* JIP	Protective earthing conductor size (mm ²):	at at at at	Set I
5.6.4	Requirement for protective bonding conductors	it white when we we	N/A
5.6.4.1	Protective bonding conductors	at that the state out	N/A
	Protective bonding conductor size (mm ²):	when all all and	T
Nerte M	Protective current rating (A) :	st street white	NULL-
5.6.4.3	Current limiting and overcurrent protective devices		N/A
5.6.5	Terminals for protective conductors	her aller aller all a	N/A
5.6.5.1	Requirement	at the set and all in	N/A
JEt .	Conductor size (mm ²), nominal thread diameter (mm).	when with the state state	N/A
5.6.5.2	Corrosion	white white white white	N/A
5.6.6	Resistance of the protective system	at the set set	N/A
5.6.6.1	Requirements	white white white white	N/A
5.6.6.2	Test Method Resistance (Ω):	set set ster ster street s	N/A
5.6.7	Reliable earthing	a nu nu n	N/A
5.7	Prospective touch voltage, touch current and prote	ective conductor current	N/A
5.7.2	Measuring devices and networks		N/A
5.7.2.1	Measurement of touch current:	white white white white	N/A
5.7.2.2	Measurement of prospective touch voltage	an an at	N/A
5.7.3	Equipment set-up, supply connections and earth connections	ALTER WALTER WALTE WALTE	N/A
white	System of interconnected equipment (separate connections/single connection)	THE MULTER WALTER WALTER WAS	in sur
	Multiple connections to mains (one connection at a time/simultaneous connections)	t milet maret would would	white



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Clause	Requirement – Test	Result – Remark	Verdict
de	and all and the state	Alt of all all and	when when
5.7.4	Earthed conductive accessible parts:	a the the second	N/A
5.7.5	Protective conductor current	et unet outer outer	N/A
de la	Supply Voltage (V)	sur in se	A A
in m	Measured current (mA)	white mile white w	rr wr - w
d . 1	Instructional Safeguard	in it it i	N/A
5.7.6	Prospective touch voltage and touch current due to external circuits	HITE WALT WALT WAL	N/A
5.7.6.1	Touch current from coaxial cables	let stret mile white	N/A
5.7.6.2	Prospective touch voltage and touch current from external circuits	. let set such	N/A
5.7.7	Summation of touch currents from external circuits	when with you w	N/A
y yu	a) Equipment with earthed external circuits Measured current (mA)	unit white white white	N/A
when	b) Equipment whose external circuits are not referenced to earth. Measured current (mA)	LIFE WALTE WALL WALL	N/A

6	ELECTRICALLY- CAUSED FIRE	and an an	Р
6.2	Classification of power sources (PS) and potential i	gnition sources (PIS)	P P of
6.2.2	Power source circuit classifications	PS1	Р
6.2.2.1	General	The The street with the	ST RUS
6.2.2.2	Power measurement for worst-case load fault:	(See appended table 6.2.2)	, P_,,+
6.2.2.3	Power measurement for worst-case power source fault	(See appended table 6.2.2)	Р
6.2.2.4	PS1	(See appended table 6.2.2)	P Y
6.2.2.5	PS2	and the man	N/A
6.2.2.6	PS3	ister aller white white a	N/A
6.2.3	Classification of potential ignition sources	Mr. W. W. W.	N/A
6.2.3.1	Arcing PIS	LIER NUEL MUTE WALTE WA	N/A
6.2.3.2	Resistive PIS	and the state of t	N/A
6.3	Safeguards against fire under normal operating and	d abnormal operating conditions	√n°P · ·
6.3.1 (a)	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 5.4.1.4, 6.3.2, 9.0, B.2.6)	SUNTE SU
6.3.1 (b)	Combustible materials outside fire enclosure	with white white white w	N/A
6.4	Safeguards against fire under single fault condition	S A A A	et Post
6.4.1	Safeguard Method	Control fire spread	P
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	* sufet multit while while	P



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Clause	Requirement – Test	Result – Remark	Verdict	
NE	WALL WALL WE WALL STOLEN	THE MUTER MUTER WALL WA	- with	
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	t at the set with	N/A	
6.4.3.1	General	water war war we	N/A	
6.4.3.2	Supplementary Safeguards	let the state state	N/A	
et	Special conditions if conductors on printed boards are opened or peeled	when when we are	N/A	
6.4.3.3	Single Fault Conditions	which which which when we	N/A	
- JIEF	Special conditions for temperature limited by fuse	that the state is	N/A	
6.4.4	Control of fire spread in PS1 circuits	mun mu mu m	Р	
6.4.5	Control of fire spread in PS2 circuits	- let let set se	N/A	
6.4.5.2	Supplementary safeguards:	(See appended tables 4.1.2 and Annex G)	N/A	
6.4.6	Control of fire spread in PS3 circuit	mile while while when y	N/A	
6.4.7	Separation of combustible materials from a PIS	it at at at	N/A	
6.4.7.1	General:	in which which which we	N/A	
6.4.7.2	Separation by distance	+ + + + 5 5	N/A	
6.4.7.3	Separation by a fire barrier	white all all all and	N/A	
6.4.8	Fire enclosures and fire barriers	at the state	Ň/A	
6.4.8.1	Fire enclosure and fire barrier material properties		N/A	
6.4.8.2.1	Requirements for a fire barrier	with all and and and a	N/A	
6.4.8.2.2	Requirements for a fire enclosure	i se st stat	N/A	
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	WALT WALL WAL WA	N/A	
6.4.8.3.1	Fire enclosure and fire barrier openings	ALTER MUTE MALTE MALT	_√°N/A	
6.4.8.3.2	Fire barrier dimensions	No fire barrier used.	N/A	
6.4.8.3.3	Top Openings in Fire Enclosure: dimensions (mm):	No openings	N/A	
MACH	Needle Flame test	and when when white we	N/A	
6.4.8.3.4	Bottom Openings in Fire Enclosure, condition met a), b) and/or c) dimensions (mm)	No openings	N/A	
unter a	Flammability tests for the bottom of a fire enclosure	when when you we want	N/A	
6.4.8.3.5	Integrity of the fire enclosure, condition met: a), b) or c):	white white white white	N/A	
6.4.8.4	Separation of PIS from fire enclosure and fire barrier distance (mm) or flammability rating	INTER WATE WATE WATE V	N/A	
6.5	Internal and external wiring	THE NUTE WITE WATE WY	P	
6.5.1	Requirements	Still Stand	P	
6.5.2	Cross-sectional area (mm2)	A LIPE STREAMENT SALE	Jr.	



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and an	IEC/EN 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
6.5.3	Requirements for interconnection to building wiring	(See Annex Q.)	N/A		
6.6	Safeguards against fire due to connection to additional equipment	what what what	N/A		
in an	External port limited to PS2 or complies with Clause Q.1	omit wait wat y	N/A		

7	INJURY CAUSED BY HAZARDOUS SUBSTANCES		P
7.2	Reduction of exposure to hazardous substances		N/A
7.3	Ozone exposure	No ozone production within the equipment.	N/A
7.4	Use of personal safeguards (PPE)	mer mer mer m	N/A
JER IN	Personal safeguards and instructions:	let tet tet ster street	1100 - 100
7.5	Use of instructional safeguards and instructions	ne me me	N/A
MALI	Instructional safeguard (ISO 7010)	tet the ster with wh	10 A.
7.6	Batteries:	Rechargeable Li-ion battery used	P P F

8 2	MECHANICALLY-CAUSED INJURY	the set set	. Р
8.1	General	See the following details.	Р
8.2	Mechanical energy source classifications	 Sharp edges and corners, classified as MS1. Equipment mass: 0.18kg classified as MS1. 	P
8.3	Safeguards against mechanical energy sources	See below.	Р
8.4	Safeguards against parts with sharp edges and corners	Accessible edges and corners of the equipment are rounded and are classified as MS1.	WN P
8.4.1	Safeguards	See above.	₽ sh
8.5	Safeguards against moving parts	No moving parts.	~ N/A
8.5.1	MS2 or MS3 part required to be accessible for the function of the equipment	till white white white wh	N/A
8.5.2	Instructional Safeguard :	et allet mile mile mile	m
8.5.4	Special categories of equipment comprising moving parts	Tel set suret milet	N/A
8.5.4.1	Large data storage equipment	me me in i	N/A
8.5.4.2	Equipment having electromechanical device for destruction of media	MITER MAILER MAILE MAILE S	N/A
8.5.4.2.1	Safeguards and Safety Interlocks:	at let set when	N/A
8.5.4.2.2	Instructional safeguards against moving parts	and the second second	N/A
NIT I	Instructional Safeguard	t at the set of	No.



	IEC/EN 6236	8-1	
Clause	Requirement – Test	Result – Remark	Verdict
8.5.4.2.3	Disconnection from the supply	White white white all	N/A
8.5.4.2.4	Probe type and force (N):	* is a write out of any	N/A
8.5.5	High Pressure Lamps	M m t	N/A
8.5.5.1	Energy Source Classification	stift out and white	N/A
8.5.5.2	High Pressure Lamp Explosion Test	and the state	_⊘-N/A
8.6	Stability	Classification MS1 according to table 35, line 5 and no stability requirements.	N/A
8.6.1	Product classification	white and and an	N/A
Inter M	Instructional Safeguard	- JEt with out on the	white
8.6.2	Static stability	Mr. Mr. W.	N/A
8.6.2.2	Static stability test	with out on the only of the	N/A
st set	Applied Force	a su st st	1 -
8.6.2.3	Downward Force Test	LIET MITE WALT WALT W	N/A
8.6.3	Relocation stability test	i it at at a	N/A
m a	Unit configuration during 10° tilt	NALTE WALL WAL WAL	20-
8.6.4	Glass slide test	at the set	N/A
8.6.5	Horizontal force test (Applied Force)	S MAL MAR	N/A
Set out	Position of feet or movable parts		with the
8.7	Equipment mounted to wall or ceiling	up mu mu mu	N/A
8.7.1	Mounting Means (Length of screws (mm) and mounting surface)	Tet whitet whitet white wh	N/A
8.7.2	Direction and applied force	t at at set set	N/A
8.8	Handles strength	No handles used.	N/A
8.8.1	Classification	ret ret ret with	N/A
8.8.2	Applied Force	When when we we	N/A
8.9	Wheels or casters attachment requirements	the the state output	N/A
8.9.1	Classification	on the the total of	N/A
8.9.2	Applied force:	et the mile mile white	white
8.10	Carts, stands and similar carriers	with the state of	N/A
8.10.1 🔊	General	NUTER INTERNITE MAILE	N/A
8.10.2	Marking and instructions	in a state	N/A
- when	Instructional Safeguard	NUTER UNITE WALT WALL Y	her my
8.10.3	Cart, stand or carrier loading test and compliance	i it it it.	√ N/A
- nh	Applied force	the white white white wh	- 2 <u>0</u> -
8.10.4	Cart, stand or carrier impact test	i at at at at	N/A



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Clause	Requirement – Test	Result – Remark	Verdict		
aller	when when the second	att with mill which wh	- m		
8.10.5	Mechanical stability	the the second	N/A		
man a	Applied horizontal force (N):	* nitet initet unite white	m		
8.10.6	Thermoplastic temperature stability (°C):	The second second	N/A		
8.11	Mounting means for rack mounted equipment	white white white white	N/A		
8.11.1	General	i it it it	N/A		
8.11.2	Product Classification	with white white white w	N/A		
8.11.3	Mechanical strength test, variable N:	is at at at a	N/A		
8.11.4	Mechanical strength test 250N, including end stops	white white white white	N/A		
8.12	Telescoping or rod antennas	milet intit white white	N/A		
de s	Button/Ball diameter (mm):	a stat set	State -		
9	THERMAL BURN INJURY	White water water water water	P		
9.2	Thermal energy source classifications	No part considered to be accessible other than enclosure. The equipment evaluated by temperature test (see table 5.4.1.4).	P		
9.3	Safeguard against thermal energy sources	Temperature of enclosure classed as TS1.	MAL P		
9.4	Requirements for safeguards		JE P.S		

J.T	requirements for saleguards		Nº SP
9.4.1	Equipment safeguard	Enclosure provided to limit the transfer of thermal energy of internal parts under normal operating conditions and abnormal operating conditions.	P NUTER
9.4.2	Instructional safeguard:	Instructional safeguard is not required.	N/A

10	RADIATION		Р
10.2	Radiation energy source classification	the state while while all	Р
10.2.1	General classification	a Mr. w. a.	↓ P,↓
10.3	Protection against laser radiation	et with mile white white	N/A
dt .	Laser radiation that exists equipment:	the state	<u></u>
in m	Normal, abnormal, single-fault:	MILE MUTE WALL WAL	√″ N/A √″
(t. 5°	Instructional safeguard:	a at at at	5 ⁴ -5
24	Tool:	INTE MALL MALL MALL	
10.4	Protection against visible, infrared, and UV radiation	Tet wifet and tet and white	Р
10.4.1	General	LED indication light: Classed as RS1 (Exempt Group)	P.K



- Mar	IEC/EN 62368	3-1 strange and some s	n a
Clause	Requirement – Test	Result – Remark	Verdict
10.4.1.a)	RS3 for Ordinary and instructed persons	The white white white all	N/A
10.4.1.b)	RS3 accessible to a skilled person	t at at at at	N/A
set si	Personal safeguard (PPE) instructional safeguard	which which which which	
10.4.1.c)	Equipment visible, IR, UV does not exceed RS1	The LED only used for indicating which considered as low power & inherently exempt group according to IEC 62471.	P
10.4.1.d)	Normal, abnormal, single-fault conditions:	et the wet with a start with	N/A
10.4.1.e)	Enclosure material employed as safeguard is opaque:	when the state with	N/A
10.4.1.f)	UV attenuation	White white when when	N/A
10.4.1.g)	Materials resistant to degradation UV	et let set alt	N/A
10.4.1.h)	Enclosure containment of optical radiation:	me me me m	N/A
10.4.1.i)	Exempt Group under normal operating conditions	and wanted wanted water of	P
10.4.2	Instructional safeguard	t at at at a	N/A
10.5	Protection against x-radiation	MULT MULT MULT MI	N/A
10.5.1	X- radiation energy source that exists equipment:	ift the street street	N/A
	Normal, abnormal, single fault conditions		N/A
En MALTE	Equipment safeguards:	the state with a	N/A
	Instructional safeguard for skilled person:	ar ma m. m.	N/A
10.5.3	Most unfavourable supply voltage to give maximum radiation	set white white white wh	A AND
IN LIFE M	Abnormal and single-fault condition:	t at the state with	N/A
	Maximum radiation (pA/kg):	white white white the	N/A
10.6	Protection against acoustic energy sources	alt alt water water	N/A
10.6.1	General	mer mer mer me	N/A
10.6.2	Classification	the state with white of	N/A
tr	Acoustic output, dB(A)	with the second	N/A
while y	Output voltage, unweighted r.m.s	et with miller miller white	N/A
10.6.4	Protection of persons		N/A
ner wi	Instructional safeguards	alfer aller adult white	N/A
FEK WALTE	Equipment safeguard prevent ordinary person to RS2	ret unt with anter	NUTEX N
ALTER	Means to actively inform user of increase sound pressure	the sale sale is	int mit
	Equipment safeguard prevent ordinary person to RS2	and the state of the	- <u>5</u> 4
10.6.5	Requirements for listening devices	intre units white white	N/A





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Clause	Requirement – Test	Result – Remark	Verdict
	(headphones, earphones, etc.)	I WILL WILL WILL WILL	un un
10.6.5.1	Corded passive listening devices with analog	at the state of the	N/A

	input in in	
NETER WAL	Input voltage with 94 dB(A) L _{Aeq} acoustic pressure output	white white white
10.6.5.2	Corded listening devices with digital input	N/A
The.	Maximum dB(A)	w. w. w.
10.6.5.3	Cordless listening device	N/A
24. 1	Maximum dB(A)	24. 24.

в	NORMAL OPERATING CONDITION TESTS, ABI CONDITION TESTS AND SINGLE FAULT COND		SUP P
B.2	Normal Operating Conditions	with outer outer would al	P.V
B.2.1	General requirements:	(See summary of testing & appended test tables)	et P
Just	Audio Amplifiers and equipment with audio amplifiers:	(See appended table B.2.5)	P
B.2.3	Supply voltage and tolerances	Rated input 5Vd.c.	P
B.2.5	Input test	(See appended table B.2.5)	ς ΎΡ
В.3	Simulated abnormal operating conditions	2 Jun 24	Р
B.3.1	General requirements:	and the safet of the	S P.S
B.3.2	Covering of ventilation openings	No ventilation openings	N/A
B.3.3	D.C. mains polarity test	The EUT is not connected to a 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	Mar Mar Mar M	N/A
B.3.6	Reverse battery polarity	let let ster ster	N/A
B.3.7	Abnormal operating conditions as specified in Clause E.2.	(See appended table B.3)	P
B.3.8	Safeguards functional during and after abnormal operating conditions	All safeguards remained effective.	P
B.4	Simulated single fault conditions	fet intife antit white white	$-2\sqrt{\mathbf{P}}$
B.4.2	Temperature controlling device open or short- circuited:	NTC used on battery protective board. The test is carried out for three times, no failure. See appended table B.4 for details	NILL P
B.4.3	Motor tests	No motors used.	N/A
B.4.3.1	Motor blocked or rotor locked increasing the internal ambient temperature:	The street sources sources and	N/A
B.4.4	Short circuit of functional insulation	(See appended table B.4)	P



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Clause	Requirement – Test	Result – Remark	Verdict
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.4)	P
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	Р
B.4.4.3	Short circuit of functional insulation on coated printed boards	No coated printed boards used	N/A
B.4.5	Short circuit and interruption of electrodes in tubes and semiconductors	(See appended table B.4 for faults on electronic components)	Р
B.4.6	Short circuit or disconnect of passive components	(See appended table B.4)	Р
B.4.7	Continuous operation of components	The EUT is continuous operating type and no such components intended for short time operation or intermittent operation	N/A
B.4.8	Class 1 and Class 2 energy sources within limits during and after single fault conditions	No exceed the relevant energy class. No hazard involved.	Р
B.4.9	Battery charging under single fault conditions :	See annex M	P
C	UV RADIATION	at at at at at	N/A
C.1	Protection of materials in equipment from UV radiation	No UV generated from the equipment.	N/A
C.1.2	Requirements	See above.	N/A
C.1.3	Test method		N/A
C.2	UV light conditioning test	NUTE WALTE WALL WALL W	N/A
C.2.1	Test apparatus	is at at at a	N/A
C.2.2	Mounting of test samples	it white white white white	N/A
C.2.3	Carbon-arc light-exposure apparatus	e at all set set	N/A
C.2.4	Xenon-arc light exposure apparatus	mer mer wer we	N/A
D	TEST GENERATORS	let the state state	N/A
D.1	Impulse test generators	mer me me m	N/A
D.2 کې	Antenna interface test generator	the state state when a	N/A
D.3	Electronic pulse generator	or mur m. m. m.	N/A
EURICE	TEST CONDITIONS FOR EQUIPMENT CONTAIN	ING AUDIO AMPLIFIERS	∩P`
E.1	Audio amplifier normal operating conditions	1/8 of max. non-clipped output power	P.
4	Audio signal voltage (V):	0.9 Vrms	~
IC MALT	Rated load impedance (Ω):	Min. 4Ω	N
E.2	Audio amplifier abnormal operating conditions	100% of max. non-clipped output power	P



Verdict

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F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND SAFEGUARDS	DINSTRUCTIONAL	Pat
F.1	General requirements	water water water with	Р
STER IN	Instructions – Language	English	Not - 1
F.2	Letter symbols and graphical symbols	ANUT ANT AND AND	Р
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	P.
F.2.2	Graphic symbols 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	White white where where	Р
F.3.1	Equipment marking locations	On the external enclosure	S PS
F.3.2	Equipment identification markings	See copy of marking plate.	Р
F.3.2.1	Manufacturer identification	See copy of marking plate.	Start Start
F.3.2.2	Model identification	See copy of marking plate.	
F.3.3	Equipment rating markings	See copy of marking plate.	_√°P
F.3.3.1	Equipment with direct connection to mains	Supplying by 5Vd.c.	N/A
F.3.3.2	Equipment without direct connection to mains	See above.	∮ [™] Р
F.3.3.3 📈	Nature of supply voltage	See copy of marking plate.	d
F.3.3.4	Rated voltage	See copy of marking plate.	- m
F.3.3.4	Rated frequency:	DC supply	*
F.3.3.6	Rated current or rated power	See copy of marking plate.	
F.3.3.7	Equipment with multiple supply connections	Only one supply connection provided.	N/A
F.3.4	Voltage setting device	s at at at	N/A
F.3.5	Terminals and operating devices	white white white white white	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings:	LIEK MITEK WAITEK WAITEK WA	N/A
F.3.5.2	Switch position identification marking:	and the state of the	N/A
F.3.5.3	Replacement fuse identification and rating markings	WALL WALL WALL WALL	N/A
F.3.5.4	Replacement battery identification marking :	No such battery	N/A
F.3.5.5	Terminal marking location	Jun un at st	N/A
F.3.6	Equipment markings related to equipment classification	Class III equipment	N/A
F.3.6.1	Class I Equipment	ret the street outer white	N/A
F.3.6.1.1	Protective earthing conductor terminal	M. M. M.	N/A
F.3.6.1.2	Neutral conductor terminal	* TEK UTE ALTE ALT	N/A



	IEC/EN 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
F.3.6.1.3	Protective bonding conductor terminals	Mur Mur Mur W	N/A		
F.3.6.2	Class II equipment (IEC60417-5172)	t set stat with white	N/A		
F.3.6.2.1	Class II equipment with or without functional earth	at the state with	N/A		
F.3.6.2.2	Class II equipment with functional earth terminal marking	when when we will share	N/A		
F.3.7	Equipment IP rating marking:	Only IP20 equipment for whole equipment	10 - 10 10 - 10		
F.3.8	External power supply output marking	it out white white white	N/A		
F.3.9	Durability, legibility and permanence of marking	Marking is considered to be legible and easily discernible. See also the following details.	, P		
F.3.10	Test for permanence of markings	The label was subjected to 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.	SUTE P		
F.4 💉	Instructions	a at at at a	P		
NA.	a) Equipment for use in locations where children not likely to be present - marking	watch watch watch watch	Р		
m - m	b) Instructions given for installation or initial use	MUTER MALLE MALLE MAIL	N/A		
de 1	c) Equipment intended to be fastened in place	a state of	N/A		
et al	d) Equipment intended for use only in restricted access area	WALTE WALTE WALT WAIT	N/A		
WAL	e) Audio equipment terminals classified as ES3 and other equipment with terminals marked in accordance F.3.6.1	aret white white white wh	N/A		
24 1	f) Protective earthing employed as safeguard	which which which which	N/A		
marek w	g) Protective earthing conductor current exceeding ES 2 limits	MITER MAILER WAITER WALTER	N/A		
the st	h) Symbols used on equipment	a state state	S₽		
t set	i) Permanently connected equipment not provided with all-pole mains switch	Not such equipment	N/A		
with	j) Replaceable components or modules providing safeguard function	TET WALTE WALT WALT WA	N/A		
F.5	Instructional safeguards	t tet set with mit	N/A		



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Clause	Requirement – Test	Result – Remark	Verdict
whitek w	Where "instructional safeguard" is referenced in the test report it specifies the required elements, location of marking and/or instruction	A SULTER MULTER MALTER	N/A
G _e t s	COMPONENTS	s it it	P A
G.1	Switches	INTER WALTE WALT W	N/A
G.1.1 5	General requirements	No switch used	0 N/A
G.1.2	Ratings, endurance, spacing, maximum load	still water water water	N/A
G.2	Relays	at at at 5th	N/A
G.2.1	General requirements	No relay used	N/A
G.2.2	Overload test	- At the set	N/A
G.2.3	Relay controlling connectors supply power	mer mer m 2	N/A
G.2.4	Mains relay, modified as stated in G.2	let set set a	N/A
G.3	Protection Devices		N/A
G.3.1	Thermal cut-offs	No such component	N/A
G.3.1.1a) &b)	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	at the the state	N/A
G.3.1.1c)	Thermal cut-outs tested as part of the equipment as indicated in c)	when when when	N/A
G.3.1.2	Thermal cut-off connections maintained and secure	a furt an	N/A
G.3.2	Thermal links	suffer mile white white	N/A
G.3.2.1a)	Thermal links separately tested with IEC 60691	No such component	N/A
G.3.2.1b)	Thermal links tested as part of the equipment	TEL WALTE WALTE WAL	N/A
Set a	Aging hours (H)	i it it it	10 .5 ⁴⁵
the sh	Single Fault Condition:	white white white	nu m
5 ⁶⁴	Test Voltage (V) and Insulation Resistance (Ω). :	at at at	Set Ster
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.3.5	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	No such component	N/A
G.3.5.2	Single faults conditions	at at at	N/A
G.4	Connectors		N/A
G.4.1	Spacings	No such component	N/A
G.4.2	Mains connector configuration	No such connector	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	No such connector	N/A
G.5 🖉	Wound Components	1 at at at	N/A



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Clause	Requirement – Test	Result – Remark	Verdict
G.5.1	Wire insulation in wound components	No such component	N/A
G.5.1.2 a)	Two wires in contact inside wound component, angle between 45° and 90°	* while while white	N/A
G.5.1.2 b)	Construction subject to routine testing	At let bet	<u>ارک</u> N/A
G.5.2	Endurance test on wound components	me me me m	N/A
G.5.2.1	General test requirements	10 5th 5th al	N/A
G.5.2.2	Heat run test	the super sup su	N/A
NAL Y	Time (s):	et use when whe	while while
A	Temperature (°C):	m m s	1. 1.
G.5.2.3	Wound Components supplied by mains	- stift wife while a	м ² м/А
G.5.3	Transformers	Jun and the	N/A
G.5.3.1	Requirements applied (IEC61204-7, IEC61558- 1/-2, and/or IEC62368-1)	No such component	N/A
WALT	Position:	Tet with outer white	the state of the s
A	Method of protection:	and the second	4 -
G.5.3.2	Insulation	at white million white	water water
det :	Protection from displacement of windings		at the
G.5.3.3	Overload test	NALL W	N/A
G.5.3.3.1	Test conditions		🧄 🗹 N/A
G.5.3.3.2	Winding Temperatures testing in the unit	NUTE WILL WALL WALL	N/A
G.5.3.3.3	Winding Temperatures - Alternative test method	a at at all	N/A
G.5.4	Motors	in which which which	N/A
G.5.4.1	General requirements	No such component	N/A
24 - 24.	Position	mur mur mur	50
G.5.4.2	Test conditions	at at all as a	N/А
G.5.4.3	Running overload test	me me m	N/A
G.5.4.4	Locked-rotor overload test	THE STAR METER MET	N/A
. At	Test duration (days)	a the the second	
G.5.4.5	Running overload test for d.c. motors in secondary circuits	ex while while while	N/A
G.5.4.5.2	Tested in the unit	the state state	N/A
A 1	Electric strength test (V)	m m m s	1 1-
G.5.4.5.3	Tested on the Bench - Alternative test method; test time (h)	NUTER WALTER WALTER WAL	N/A
NUTE	Electric strength test (V):	et at at at	The state
G.5.4.6	Locked-rotor overload test for d.c. motors in secondary circuits	white and white	N/A



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Clause	IEC/EN 62368 Requirement – Test	Result – Remark	Verdict
. Nr.		THE THE NUMBER	and the second
G.5.4.6.2	Tested in the unit	the she we	N/A
white w	Maximum Temperature	* . I Et niter wife	N/A
t.	Electric strength test (V):	All Dr. A.	N/A
G.5.4.6.3	Tested on the bench - Alternative test method; test time (h)	WALTER WALTER WALTER	N/A
er untit	Electric strength test (V)	ter ster ster of	N/A
G.5.4.7	Motors with capacitors	a man in a	N/A
G.5.4.8	Three-phase motors	et the state out	N/A
G.5.4.9	Series motors	m. m. r.	N/A
ner in	Operating voltage	- when when white	where when y
G.6	Wire Insulation	The second	N/A
G.6.1	General	Only ES1 existed	N/A
G.6.2	Solvent-based enamel wiring insulation	i de at	<u>م- N/A (</u>
G.7	Mains supply cords	uter inite white white	N/A
G.7.1	General requirements	1 A A A	N/A
m. a	Туре	white white white	m. m
STER N	Rated current (A)	A CAR	JIE JE
	Cross-sectional area (mm ²), (AWG):	2 June	n n –
G.7.2	Compliance and test method		S N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	A A A A	N/A
G.7.3.2	Cord strain relief	an when white white	N/A
G.7.3.2.1	Requirements	h at at at	N/A
ta da	Strain relief test force (N):	were were sur	10 10 -
G.7.3.2.2	Strain relief mechanism failure	at let set	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	and and and a	
G.7.3.2.4	Strain relief comprised of polymeric material	with which will be an	N/A
G.7.4	Cord Entry	a m m m	N/A
G.7.5	Non-detachable cord bend protection	et the street while	N/A
G.7.5.1	Requirements	m m	N/A
G.7.5.2	Mass (g):	ALTER MUTER MUTER	when which a
15 16	Diameter (m):	San Sa	15 15-
Murr	Temperature (°C)	aller while while w	- 4 - <u></u>
G.7.6	Supply wiring space		N/A
G.7.6.2	Stranded wire	The MALTER MALE MALE	N/A
G.7.6.2.1	Test with 8 mm strand		N/A



	IEC/EN 6236	3-15°	
Clause	Requirement – Test	Result – Remark	Verdict
G.8	Varistors	The and mark and an	N/A
G.8.1	General requirements	t the state state with	N/A
G.8.2	Safeguard against shock	ANTE AND AND AN	N/A
G.8.3	Safeguard against fire	THE THE NUMBER OF	N/A
G.8.3.2	Varistor overload test	Mar Mar and Star	N/A
G.8.3.3	Temporary overvoltage	The street out the solution	N/A
G.9 🦽	Integrated Circuit (IC) Current Limiters		N/A
G.9.1 a)	Manufacturer defines limit at max. 5A.	IEL MITE WHITE WHITE WA	N/A
G.9.1 b)	Limiters do not have manual operator or reset		N/A
G.9.1 c)	Supply source does not exceed 250 VA	White white white	211
G.9.1 d)	IC limiter output current (max. 5A):	A DO DO DO	. 5 ⁴⁵
G.9.1 e)	Manufacturers' defined drift	mail white white white	s
G.9.2	Test Program 1	at at at at	N/A
G.9.3	Test Program 2	and the second second	N/A
G.9.4	Test Program 3	the state state with	N/A
G.10	Resistors	Mr. Mr. and	N/A
G.10.1	General requirements	atter white	N/A
G.10.2	Resistor test		N/A
G.10.3	Test for resistors serving as safeguards between the mains and an external circuit consisting of a coaxial cable	ALTER WALTER WALTER WALTER	N/A
G.10.3.1	General requirements	it while while white wi	N/A
G.10.3.2	Voltage surge test	L at at at 5	N/A
G.10.3.3	Impulse test	white white white white	N/A
G.11 🤇	Capacitor and RC units	at set set set	N/A
G.11.1	General requirements	me me me m	N/A
G.11.2	Conditioning of capacitors and RC units	tet stet stet with	N/A
G.11.3	Rules for selecting capacitors	e m m m	N/A
G.12	Optocouplers	tet stet with miller whi	N/A
MITEK W	Optocouplers comply with IEC 60747-5-5:2007 Spacing or Electric Strength Test (specify option and test results)	white white white white	N/A
St 5	Type test voltage Vini:	a at at at	50-
- an	Routine test voltage, Vini,b:	INTE WALL WALL WALL	r, -r,
G.13	Printed boards	at at at set	P
G.13.1	General requirements	Only need to comply with functional insulation, see only B.4.4.	Р



	IEC/EN 62368	3-15 ⁶	
Clause	Requirement – Test	Result – Remark	Verdict
G.13.2	Uncoated printed boards	The Martin Martin Martin	N/A
G.13.3	Coated printed boards	A STER STER NUE	N/A
G.13.4	Insulation between conductors on the same inner surface	when the state	N/A
et stet	Compliance with cemented joint requirements (Specify construction):	when when we we	Tex Tex-
G.13.5	Insulation between conductors on different surfaces	with which with	N/A
mer 1	Distance through insulation	tell miles while while	
Alt .	Number of insulation layers (pcs):	it at at	10 54
G.13.6	Tests on coated printed boards	MATTER MALL WALL	N/A
G.13.6.1	Sample preparation and preliminary inspection	at the left	N/A
G.13.6.2a)	Thermal conditioning	until which which we	N/A
G.13.6.2b)	Electric strength test	LIET WALTE WALT WAL	N/A
G.13.6.2c)	Abrasion resistance test	at white white white	N/A
G.14	Coating on components terminals	at a state	N/A
G.14.1	Requirements		N/A
G.15	Liquid filled components	ATT AT AT	N/A
G.15.1	General requirements	w. m. m. m.	N/A
G.15.2	Requirements	TEX STER NUTER WIT	N/A
G.15.3	Compliance and test methods	The second second	N/A
G.15.3.1	Hydrostatic pressure test	t allet miles walter	N/A
G.15.3.2	Creep resistance test	and the state	N/A
G.15.3.3	Tubing and fittings compatibility test	MUTER ONLIES MALITY	N/A
G.15.3.4	Vibration test	t at	N/A
G.15.3.5	Thermal cycling test	LIEF WALTE WALT WAS	N/A
G.15.3.6	Force test	a at the Al	N/A
G.15.4	Compliance	white white where	~ ^N /A
G.16	IC including capacitor discharge function (ICX)	at at at	N/A
a)	Humidity treatment in accordance with sc5.4.8 – 120 hours	white white where	N/A
b) •••	Impulse test using circuit 2 with Uc = to transient voltage	MITER WALT WALT W	N/A
C1)	Application of ac voltage at 110% of rated voltage for 2.5 minutes	STEX WALTER WALTER WALT	N/A
C2)	Test voltage	L A A A	- 5 ⁶ . 5 ⁶



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IEC/EN 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
Man	when we we state	All international and	July
D1)	10,000 cycles on and off using capacitor with smallest capacitance resistor with largest resistance specified by manufacturer	and white muter white white	N/A
D2)	Capacitance	a state of the	<u></u>
D3)	Resistance		<u>1910 - 1</u>
H S	CRITERIA FOR TELEPHONE RINGING SIGNA	LS _ A A A	N/A
H.1	General	No telephone ringing signal generated within the equipment.	N/A
H.2	Method A	NIET INTE MAIL WALL WAL	N/A
H.3	Method B	a at the fit	N/A
H.3.1 🚿	Ringing signal	re unite unit which which	~ ⁰ N/A
H.3.1.1	Frequency (Hz)	at the set set	Jule-
H.3.1.2	Voltage (V)	. Inthe most survey and a	_
H.3.1.3	Cadence; time (s) and voltage (V)		56 <u></u>
H.3.1.4	Single fault current (mA):	SU CONTRACTOR AND AND AND	
H.3.2	Tripping device and monitoring voltage	at the state with any	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage complied with	at the state	N/A
H.3.2.2	Tripping device	s she wi	N/A
H.3.2.3	Monitoring voltage (V)	and the state of	STR. OF
J Jet	INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED		N/A
2h	General requirements	man when when when when	N/A
K	SAFETY INTERLOCKS	at at the set with	N/A
K.1	General requirements	in mut when we we	N/A
K.2	Components of safety interlock safeguard mechanism	Mainet watter watter watter	N/A
K.3 🟑	Inadvertent change of operating mode	at at at at	N/A
K.4	Interlock safeguard override	NITT WAT WAT WAT W	N/A
K.5	Fail-safe	at let set set with	N/A
20	Compliance	it white white and the	N/A
K.6	Mechanically operated safety interlocks	est that the street with	N/A
K.6.1	Endurance requirement	when the star we	N/A
K.6.2	Compliance and Test method	: set uset whet where	N/A
K.7	Interlock circuit isolation	The she was a	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements (type and circuit location)		N/A
K.7.2	Overload test, Current (A)	the state of the	N/A



	IEC/EN 6236	8-1	
Clause	Requirement – Test	Result – Remark	Verdict
K.7.3	Endurance test	The weith with the we	N/A
K.7.3 K.7.4		L A 10 10 5	
10. 0.	Electric strength test	white white survey of	N/A
L	DISCONNECT DEVICES	the state state	N/A
L.1 5	General requirements	white white she whe	N/A
L.2	Permanently connected equipment	the state of the	N/A
L.3	Parts that remain energized	the way way we want	N/A
L.4	Single phase equipment	to the state of	N/A
L.5	Three-phase equipment	it white where we are	N/A
L.6	Switches as disconnect devices	at at sat sat	N/A
L.7	Plugs as disconnect devices	when white when when	N/A
L.8	Multiple power sources	at at at at	N/A
М	EQUIPMENT CONTAINING BATTERIES AND TH	EIR PROTECTION CIRCUITS	Р
M.1	General requirements	Rechargeable Li-ion battery used	Р
M.2	Safety of batteries and their cells	a at at at it	P
M.2.1	Requirements	Approved battery pack used	P
M.2.2	Compliance and test method (identify method) :	At 15th 15th	∕́P
M.3	Protection circuits	a sure sure	Р
M.3.1	Requirements		JIE P.
M.3.2	Tests	ner when when when a	Р
NUTER .	- Overcharging of a rechargeable battery	(See appended table Annex M)	P
	- Unintentional charging of a non-rechargeable battery	No such battery used	N/A
nt nt	- Reverse charging of a rechargeable battery	Built-in battery used, reverse charging is prevented	N/A
in men	- Excessive discharging rate for any battery	(see appended table Annex M)	№ Р4
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	P
M.4	Additional safeguards for equipment containing secondary lithium battery	the set set set with	JUL P
M.4.1	General	my my me	Р
M.4.2	Charging safeguards	set set set are	P.
M.4.2.1	Charging operating limits	her me me me	Р
M.4.2.2a)	Charging voltage, current and temperature:	(See appended table Annex M.4)	and the second
M.4.2.2 b)	Single faults in charging circuitry	(See appended table Annex M.4)	white



IEC/EN 62368-1 Result – Remark Clause Requirement - Test Verdict M.4.3 Fire Enclosure Ρ M.4.4 Endurance of equipment containing a secondary Ρ lithium battery M.4.4.2 Preparation Ρ M.4.4.3 Drop and charge/discharge function tests Ρ After test, the voltage difference Ρ Drop less than 5% in the 24H Charge Charging normally Ρ Р Discharge Discharging normally M.4.4.4 Charge-discharge cycle test Ρ M.4.4.5 Р Result of charge-discharge cycle test M.5 Risk of burn due to short circuit during carrying Ρ M.5.1 Requirement No bare conductive terminal Р used M.5.2 N/A Compliance and Test Method (Test of P.2.3) M.6 Ρ Prevention of short circuits and protection from The battery complied with other effects of electric current IEC/EN 62133-2 which considered the internal fault tests. No such explosion or fire likely to result from short circuits. M.6.1 Short circuits Ρ M.6.1.1 Р General requirements M.6.1.2 Test method to simulate an internal fault N/A M.6.1.3 Compliance (Specify M.6.1.2 or alternative N/A method): M.6.2 N/A Leakage current (mA) M.7 Risk of explosion from lead acid and NiCd N/A No such battery used batteries M.7.1 Ventilation preventing explosive gas N/A concentration M.7.2 Compliance and test method N/A M.8 Protection against internal ignition from external N/A spark sources of lead acid batteries M.8.1 N/A General requirements M.8.2 Test method N/A M.8.2.1 General requirements N/A M.8.2.2 Estimation of hypothetical volume Vz (m³/s).....: M.8.2.3 Correction factors..... M.8.2.4 Calculation of distance d (mm):

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Clause	Requirement – Test	Result – Remark	Verdict
M.9	Preventing electrolyte spillage	The west with a second of	N/A
M.9.1	Protection from electrolyte spillage	t get get with and	N/A
M.9.2	Tray for preventing electrolyte spillage	when when when when	N/A
M.10	Instructions to prevent reasonably foreseeable misuse (Determination of compliance: inspection, data review; or abnormal testing):	antifet unifer untile unifer	P.
N 💊	ELECTROCHEMICAL POTENTIALS	mate white white white w	N/A
	Metal(s) used	Pollution degree considered	Ser
0	MEASUREMENT OF CREEPAGE DISTANCES A	ND CLEARANCES	N/A
IN STREET AL	Figures O.1 to O.20 of this Annex applied:	- ret stat stat sta	JULIE .
P	SAFEGUARDS AGAINST ENTRY OF FOREIGN INTERNAL LIQUIDS	OBJECTS AND SPILLAGE OF	P
P.1	General requirements	See below	Р
P.2.2	Safeguards against entry of foreign object	at at at set .	P.
24	Location and Dimensions (mm):	No opening.	_
P.2.3	Safeguard against the consequences of entry of foreign object	A NUTEX WAITER WAITER WAIT	N/A
P.2.3.1	Safeguards against the entry of a foreign object	A State of the	N/A
1. 24.	Openings in transportable equipment		N/A
FER WALT	Transportable equipment with metalized plastic parts	NUTER MUTT WANTER MAILER	N/A
P.2.3.2	Openings in transportable equipment in relation to metallized parts of a barrier or enclosure (identification of supplementary safeguard):	set white white white an	N/A
P.3	Safeguards against spillage of internal liquids	t let let state with	N/A
P.3.1	General requirements	all the and an	N/A
P.3.2	Determination of spillage consequences	Tet the street with	N/A
P.3.3	Spillage safeguards	m m m	N/A
P.3.4	Safeguards effectiveness	where where while while of	N/A
P.4	Metallized coatings and adhesive securing parts	She was at	N/A
P.4.2 a)	Conditioning testing	et allet mile wait was	N/A
A	Tc (°C):	where the state of	- Alt
We a	Tr (°C):	INTE WALL WITH WALL	m-
set 5	Ta (°C):	a state state	J#
P.4.2 b)	Abrasion testing:	nette month works which y	N/A
P.4.2 c)	Mechanical strength testing	i at at at	N/A
	·····	The white white white wh	201.

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Verdict

N/A N/A

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Clause	Requirement – Test	Result – Remark
aller	when when we will set	att att with with
Q	CIRCUITS INTENDED FOR INTERCONNECTIO	N WITH BUILDING WIRING
Q.1	Limited power sources	et the wife while a
Q.1.1 a)	Inherently limited output	
Q.1.1 b)	Impedance limited output	white white white wh
LEX MULE	- Regulating network limited output under normal operating and simulated single fault condition	Tet set site mit
Q.1.1 c)	Overcurrent protective device limited output	her the star se
Q.1.1 d)	IC current limiter complying with G.9	et alt with alter
Q.1.2	Compliance and test method	m m m

		W. W. Shund
Q.1.1 a)	Inherently limited output	N/A
Q.1.1 b)	Impedance limited output	N/A
ex unitex	- Regulating network limited output under normal operating and simulated single fault condition	N/A
Q.1.1 c)	Overcurrent protective device limited output	N/A
Q.1.1 d)	IC current limiter complying with G.9	N/A
Q.1.2	Compliance and test method	N/A
Q.2	Test for external circuits – paired conductor cable	N/A N
d d	Maximum output current (A)	the states
m	Current limiting method	ar when all - when
R de	LIMITED SHORT CIRCUIT TEST	, ∧ N/A
R.1	General requirements	N/A
R.2	Determination of the overcurrent protective device and circuit	N/A
R.3	Test method Supply voltage (V) and short-circuit current (A)).	N/A
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
m.	Samples, material	mer mer m
Set .	Wall thickness (mm)	de de ser
n in	Conditioning (°C)	n. m. m.
ret whit	Test flame according to IEC 60695-11-5 with conditions as set out	N/A
* 58	- Material not consumed completely	N/A
An.	- Material extinguishes within 30s	N/A
JEE	- No burning of layer or wrapping tissue	N/A
5.2	Flammability test for fire enclosure and fire barrier integrity	N/A
in m	Samples, material	We we and a
et 50	Wall thickness (mm)	at set set-al
-m.	Conditioning (°C)	m. m. m.
WALTER	Test flame according to IEC 60695-11-5 with conditions as set out	N/A
dit.	Test specimen does not show any additional hole	N/A

R



- m	IEC/EN 6236	8-1 star mile and and	m. n
Clause	Requirement – Test	Result – Remark	Verdict
S.3	Flammability test for the bottom of a fire enclosure		N/A
14 4	Samples, material	which which will we	
LITER JA	Wall thickness (mm):	the set set as	at Intre-
1	Cheesecloth did not ignite	when when when we are	N/A
S.4	Flammability classification of materials	Tet wet with white	N/A
S.5	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W	et white white white	N/A
Set.	Samples, material:	the state of	Set Stat
h h	Wall thickness (mm):	white white where whe	-201 -
all al	Conditioning (test condition), (°C):	at at at at	A NUTE
4 .5 ¹⁰	Test flame according to IEC 60695-11-20 with conditions as set out	and when any and	N/A
No.	After every test specimen was not consumed completely	anti white when when	N/A
when .	After fifth flame application, flame extinguished within 1 min	White white white white	N/A
The sol	MECHANICAL STRENGTH TESTS	At MILE MI	N ^P
T.1	General requirements		Р
T.2	Steady force test, 10 N	(See appended table T.2)	RI RI
T.3	Steady force test, 30 N	n su su st	N/A
T.4	Steady force test, 100 N	The multiment while while y	<u>سN/A</u>
T.5	Steady force test, 250 N	(See appended table T.5)	P.
T.6 🔹	Enclosure impact test	(See appended table T.6)	N/A
set is	Fall test	a a st st	N/A
24	Swing test	Main and and and	N/A
T.7	Drop test	(See appended table T.7)	P.
T.8	Stress relief test	in all the all	Р
Т.9	Impact Test (glass)	et set whet when	N/A
T.9.1	General requirements	The the second	N/A
T.9.2 📣	Impact test and compliance	WITER MITER WALTE WALT	N/A
1 1	Impact energy (J)	the state of	t set-
m	Height (m):	MITE WAIT WALL WAL	m -n
T.10	Glass fragmentation test:	1 at at at	N/A
T.11	Test for telescoping or rod antennas	and white white white	N/A
J.	Torque value (Nm)	· · ·	10 50

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

U	MECHANICAL STRENGTH OF CATHODE RAY TUBES (CRT) AND PROTECTION AGAINST THE EFECTS OF IMPLOSION	N/A
U.1	General requirements	N/A
U.2	Compliance and test method for non-intrinsically protected CRTs	N/A
U.3	Protective Screen	N/A
Λ 🛷	DETERMINATION OF ACCESSIBLE PARTS (FINGERS, PROBES AND WEDGES)	N/A
V.1 5	Accessible parts of equipment	N/A
V.2	Accessible part criterion	N/A



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Clause Requirement - Test

IEC/EN 62368-1

Result – Remark

. A	Verdict
110 11 11	

FACHMENT TO TEST REPORT IEC 62368-1 ROUP DIFFERENCES AND NATIONAL DIFFERENCES nd communication technology equipment Part 1: Safety requirements)
EN 62368-1:2014+A11:2017
EU_GD_IEC62368_1D_II
Nemko AS
Date 2021-02-04

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	CENELEC C	COMMON MOI	DIFICATIO	NS (EN)			
TEN WALT	Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 62368-1:2014 are prefixed "Z".						NUTE-OF
CONTEN TS	Add the following annexes: Annex ZA (normative)Normative references to international publications with their corresponding European publications Annex ZB (normative)Special national conditions Annex ZC (informative)A-deviations Annex ZD (informative)IEC and CENELEC code designations for flexible cords				STAK PUT		
		e "country" note the following li		ference docume	nt (IEC 62368	3-1:2014)	MULT P
	0.2.1	Note	1	Note 3	4.1.15	Note	500 - 5
	4.7.3	Note 1 and 2	5.2.2.2	Note	5.4.2.3.2.2 Table 13	Note c	and when
	5.4.2.3.2.4	Note 1 and 3	5.4.2.5	Note 2	5.4.5.1	Note	All AL
	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3	white.
	5.7.5	Note	5.7.6.1	Note 1 and 2	10.2.1 Table 39	Note 2, 3 and 4	untitet our
	10.5.3	Note 2	10.6.2.1	Note 3	F.3.3.6	Note 3	NATEK WALT
jet.	For special r	national condition	ons, see Ar	inex ZB.	20 20	4	s⊢ Pot
lunt vi	Add the following note: NOTE Z1 The use of certain substances in electrical and electronic equipment is restricted within the EU: see Directive 2011/65/EU.				P		

white	IEC/EN 62368-1	et when when when y	in a
Clause	Requirement – Test	Result – Remark	Verdict
4.Z1	Add the following new subclause after 4.9: To protect against excessive current, short-circuits and earth faults in circuits connected to an a.c. mains, protective devices shall be included either as integral parts of the equipment or as parts of the building installation, subject to the following, a), b) and c): a) except as detailed in b) and c), protective devices necessary to comply with the requirements of B.3.1 and B.4 shall be included as parts of the equipment; 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	Not directly connected to the mains	July -
5.4.2.3.2.4	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. 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 external circuits.	N/A
10.2.1	Add the following to ^{c)} and ^{d)} in table 39: For additional requirements, see 10.5.1.	No laser radiation used	N/A
10.5.1	Add the following after the first paragraph: For RS 1 compliance is checked by measurement under the following conditions: In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or presets 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 cm ² , 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. For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level. NOTE Z2 These values appear in Directive		N/A



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	IEC/EN 62368-1	and the same a		
Clause	Requirement – Test	Result – Remark	Verdict	
- Ma	Add the following person has the and of the	and the solution of the solution	-20-	
10.6.1	Add the following paragraph to the end of the subclause:	No such X-radiation	N/A	
	EN 71-1:2011, 4.20 and the related tests methods and	generated from the	an	
	measurement distances apply.	equipment.		
10.Z1	Add the following new subclause after 10.6.5.	Added. Should be evaluated	N/A	
10.21	10.Z1 Non-ionizing radiation from radio	during national approval		
	frequencies in the range 0 to 300 GHz			
	The amount of non-ionizing radiation is regulated by	- TEX STEP OUT OF	no. in	
	European Council Recommendation 1999/519/EC of	me me me		
	12 July 1999 on the limitation of exposure of the	a at at a	5 5	
	general public to electromagnetic fields (0 Hz to 300	street mit while whit	m	
	GHz).	Mr. Mr. M.	1	
	For intentional radiators, ICNIRP guidelines should be	at at the set	N. S. S.	
	taken into account for Limiting Exposure to Time- Varying Electric, Magnetic, and Electromagnetic Fields	the way way way	20	
	(up to 300 GHz). For hand-held and body-mounted	i t t	1. At	
	devices, attention is drawn to EN 50360 and EN	at the street with	Nº 1	
	50566	me m m s	4	
G.7.1	Add the following note:	Not directly connected to the	N/A	
	NOTE Z1 The harmonized code designations	mains	20	
	corresponding to the IEC cord types are given in		+ 1	
and the set	Annex ZD.	the set of the set	- the	
Bibliograp	Add the following standards:		Р	
hy	Add the following notes for the standards indicated: IEC 60130-9 NOTE Harmonized as EN 60130-9.			
	IEC 60269-2 NOTE Harmonized as HD 60269-2.			
	IEC 60209-2 NOTE Harmonized as FID 60209-2.			
	IEC 60364 NOTE some parts harmonized in HD 384/HD 60364			
	series.			
	IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4.			
	IEC 60664-5 NOTE Harmonized as EN 60664-5.			
	IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified).			
	IEC 61508-1 NOTE Harmonized as EN 61508-1.			
	IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1. IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4.			
	IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4.			
	IEC 61643-1 NOTE Harmonized as EN 61643-1.			
	IEC 61643-21 NOTE Harmonized as EN 61643-21.			
	IEC 61643-311 NOTE Harmonized as EN 61643-311.			
	IEC 61643-321 NOTE Harmonized as EN 61643-321.			
dit .	IEC 61643-331 NOTE Harmonized as EN 61643	A 15 N A	* _<	
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN) it is much antis white	_√°P	
4.1.15	Denmark, Finland, Norway and Sweden	Not directly connected to	N/A	
	To the end of the subclause the following is added:	the mains	NAL	
	Class I pluggable equipment type A intended for	m. m. m		
	connection to other equipment or a network shall, if	e at at at	Set.	
	safety relies on connection to reliable earthing or if	a with white white w	1 1	
	surge suppressors are connected between the network terminals and accessible parts, have a	200 200 200	A	
	marking stating that the equipment shall be connected	at at at a	S	
	to an earthed mains socket-outlet.	and and and and an	20	
	The marking text in the applicable countries shall be		- 10	
	as follows:	1 1 1 1 S	S. 1	

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2

	Deguirement Test	Deput Demert	Vandiat
Clause	Requirement – Test	Result – Remark	Verdict
-de		the star and strend	
	In Denmark : "Apparatets stikprop skal tilsluttes en	24. 2	st it
	stikkontakt med jord som giver forbindelse til	Let tet the no	N. M.
	stikproppens jord."	the all all all	20
	In Finland : "Laite on liitettävä suojakoskettimilla		. 15
	varustettuun pistorasiaan"	set set ster stre	and a
	In Norway: "Apparatet må tilkoples jordet stikkontakt"	when when while	191 3
<u>st d</u>	In Sweden: "Apparaten skall anslutas till jordat uttag"	the state of the s	1
4.7.3	United Kingdom	The street will be	N/A
	To the end of the subclause the following is added:	me m n s	
	The torque test is performed using a socket-outlet	s at at .	S 5
	complying with BS 1363, and the plug part shall be	The with and with	- Mar
	assessed to the relevant clauses of BS 1363. Also see	her the the	1 4
<u>ir</u>	Annex G.4.2 of this annex	a at at a	5 J.C.
5.2.2.2	Denmark	No high touch current.	N/A
	After the 2nd paragraph add the following:	21 20 2	d
	A warning (marking safeguard) for high touch	at the set set	J. The s
	current is required if the touch current exceeds the	mile white white	24. 24
1	limits of 3,5 mA a.c. or 10 mA d.c.	- 3 ¹	al a
5.4.11.1	Finland and Sweden	No such external circuits.	N/A
and Annex	To the end of the subclause the following is added:	and when when a	1. 20
G	For separation of the telecommunication network from		1 18
NUT .	earth the following is applicable:	let the star of	in the
	If this insulation is solid, including insulation forming	and we are an	20.
	part of a component, it shall at least consist of either		t st
	• two layers of thin sheet material, each of which shall	det a lite with	and a
	pass the electric strength test below, or	4	
	• one layer having a distance through insulation of at	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	de la companya de la comp
	least 0,4 mm, which shall pass the electric strength	the strength of	No. M
	test below.	m. m. m.	
	If this insulation forms part of a semiconductor	at at at	10 5
	component (e.g. an optocoupler), there is no distance	white mere white wh	2 m
	through insulation requirement for the insulation	2m 2n 2	d at
	consisting of an insulating compound completely filling	A A A A S	E JE
	the casing, so that clearances and creepage distances	with white white white	-2012
	do not exist, if the component passes the electric		A
	strength test in accordance with the compliance clause	at let set set	NIT I
	below and in addition	white white white	10 0
	• passes the tests and inspection criteria of 5.4.8 with	i i i	de la
	an electric strength test of 1,5 kV multiplied by 1,6 (the	alt alt alt	non an
	electric strength test of 5.4.9 shall be performed using	me me me	10
	1,5 kV), and	i it it	st de
	• is subject to routine testing for electric strength during	THE STREE STREET	N MAL
	manufacturing, using a test voltage of 1,5kV.	the she she in	
	It is permitted to bridge this insulation with a capacitor	a state de	t Ar
	complying with EN 60384-14:2005, subclass Y2.	State with other which	Nr.
	A capacitor classified Y3 according to EN 60384-	The the sec	
	14:2005, may bridge this insulation under the following	1 At at at	55
	conditions:	NIT WIT WALL	all all
	• the insulation requirements are satisfied by having a	24. 24. 2.	
	capacitor classified Y3 as defined by EN 60384-14,	at at at	S. 5
	which in addition to the Y3 testing, is tested with an	with white white wi	2 am
	impulse test of 2,5 kV defined in 5.4.11;	an a a	1
	• the additional testing shall be performed on all the	at at at 5	5 . S. F.
	test specimens as described in EN 60384-14;	The star of a star	Sec.



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IEC/EN 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict		
. In	Mr. M. M. M.	the shirt which all	n m		
	the impulse test of 2,5 kV is to be performed before	the in it.			
	the endurance test in EN 60384-14, in the sequence of	a st st s	S		
	tests as described in EN 60384-14.	with mill white white	m		
5.5.2.1	Norway		N/A		
0.0.2.1	After the 3rd paragraph the following is added:	at at the se			
	Due to the IT power system used, capacitors are	it white white white	- sur -		
	required to be rated for the applicable line-to-line	20.	1		
	voltage (230 V).	- let tet tet	de la		
5.5.6	Finland, Norway and Sweden	No such resistors.	N/A		
0.0.0	To the end of the subclause the following is added:				
	Resistors used as basic safeguard or bridging basic	Let see ster a	in and		
	insulation in class I pluggable equipment type A	into me me m	-20		
	shall comply with G.10.1 and the test of G.10.2.		* 1		
5.6.1	Denmark	Added.	N/A		
5.0.1	Add to the end of the subclause	Audeu.	IN/A		
	Due to many existing installations where the socket-	is at at at	S.S.		
	outlets can be protected with fuses with higher rating	at aller aller and	at str		
	than the rating of the socket-outlets the protection for	The in a			
	pluggable equipment type A shall be an integral part of	at at at	18 X		
	the equipment.	white white white w	le an		
	Justification:	the second	1 1		
	In Denmark an existing 13 A socket outlet can be	at at at is	Ser Str		
	protected by a 20 A fuse.	inter when when when	201.		
5.6.4.2.1	Ireland and United Kingdom	Added.	N/A		
0.0.4.2.1	After the indent for pluggable equipment type A, the				
	following is added:	a sur su	100		
	- the protective current rating is taken to be 13 A,		At .		
	this being the largest rating of fuse used in the mains	The strength	No All		
	plug. At At At At A	m m m			
5.6.5.1	To the second paragraph the following is added:	Added.	N/A		
	The range of conductor sizes of flexible cords to be	white white white wi	- 1m.		
	accepted by terminals for equipment with a rated	24 25	1. 1.		
	current over 10 A and up to and including 13 A is:	at at at is	E STE		
n. n	1,25 mm ² to 1,5 mm ² in cross-sectional area.	the were and whe	-201		
5.7.5	Denmark	A A	N/A		
	To the end of the subclause the following is added:	et the stree stree	Nº S		
	The installation instruction shall be affixed to the	when when wh			
	equipment if the protective conductor current	a at the	it .		
- In the	exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	The ster str	no an		
5.7.6.1	Norway and Sweden	Not directly connected to	N/A		
	To the end of the subclause the following is added:	the mains	1. B.		
	The screen of the television distribution system is	with mit whit wh	- m		
	normally not earthed at the entrance of the building	W. W. W. W.	e de		
	and there is normally no equipotential bonding system	at at at at	11°		
	within the building. Therefore the protective earthing of	in white white white	2012		
	the building installation needs to be isolated from the	Sec. 1	A		
	screen of a cable distribution system.	+ 10 10 50°	ST.		
	It is however accepted to provide the insulation	with with with	2 2		
	external to the equipment by an adapter or an		it i		
	interconnection cable with galvanic isolator, which may	At St St.	ST IN		
	be provided by a retailer, for example.	which which which which	200		
	The user manual shall then have the following or		1- 10		
	similar information in Norwegian and Swedish	At St St S	Nr.		
	language respectively, depending on in what country	No all all			

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IEC/EN 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict		
AND	the equipment is intended to be used in: "Apparatus connected to the protective earthing of the building installation through the mains connection or through other apparatus with a connection to protective earthing – and to a television distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a television distribution system therefore has to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11)" NOTE In Norway, due to regulation for CATV- installations, and 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. Translation to Norwegian (the Swedish text will also be accepted in Norway):	all the and	WALTER WALTER WALTER WALTER WALTER WALTER		
	 "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." 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 medfőra risk för brand. Főr att undvika detta skall vid anslutning av apparaten till kabel-TV nät galvanisk isolator finnas mellan apparaten och kabel-TV nätet.". 	and and and and and and	WALTER WALTER STER SON		
5.7.6.2	Denmark To the end of the subclause the following is added: The warning (marking safeguard) for high touch current is required if the touch current or the protective current exceed the limits of 3,5mA	See for 5.7.5 above.	N/A		
B.3.1 and B.4	Ireland and United Kingdom The following is applicable: To protect against excessive currents and short-circuits in the primary circuit of direct plug-in equipment, tests according to Annexes B.3.1 and B.4 shall be conducted using an external miniature circuit breaker complying with EN 60898-1, Type B, rated 32A. If the equipment does not pass these tests, suitable protective devices shall be included as an integral part of the direct plug-in equipment, until the requirements of Annexes B.3.1 and B.4 are met	Not direct plug-in equipment	N/A		
3.4.2	Denmark To the end of the subclause the following is added: Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011. CLASS I EQUIPMENT provided with socket-outlets	Not directly connected to the mains	N/A		

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	IEC/EN 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
J.	when when we are set that	The strend with a strend with	Jr.		
	with earth contacts or which are intended to be used in	m. m. n			
	locations where protection against indirect contact is	+ A At A	⁶⁰		
	required according to the wiring rules shall be provided	THE NUTE MUT MAN	Mar		
	with a plug in accordance with standard sheet DK 2-1a	1 14 20 V			
	or DK 2-5a.	a at at at	STER		
	If a single-phase equipment having a RATED	ter where where where	she i		
	CURRENT exceeding 13 A or if a poly-phase	The second	de		
	equipment is provided with a supply cord with a plug,	. It let bet	JEN 1		
	this plug shall be in accordance with the standard	ment when when wi	201		
	sheets DK 6-1a in DS 60884-2-D1 or EN 60309-2.		de d		
	Mains socket outlets intended for providing power to	let the the star	- NO		
	Class II apparatus with a rated current of 2,5 A shall be	inthe white white white	-24.		
	in accordance DS 60884-2-D1:2011 standard sheet	i i it it	10		
	DKA 1-4a.	Let get all all all	JIL'S		
	Other current rating socket outlets shall be in	in the sur w			
	compliance with Standard Sheet DKA 1-3a or DKA 1-	1 A at at	1th		
	1c. 1c.	at the with white	N 3		
	Mains socket-outlets with earth shall be in compliance	The in is i			
	with DS 60884-2-D1:2011 Standard Sheet DK 1-3a,	at the tite .	Ser S		
	DK 1-1c, DK1-1d, DK 1-5a or DK 1-7a	white white white wh	- she		
	Justification:	24. 2. 2.	L 1		
56	Heavy Current Regulations, Section 6c	at at all 50			
G.4.2	United Kingdom	Not direct plug-in equipment	N/A		
<u>-</u>	To the end of the subclause the following is added:	riet allost plug ill oquipiliont	1		
	The plug part of direct plug-in equipment shall be	at a set and	MAR		
	assessed to BS 1363: Part 1, 12.1, 12.2, 12.3, 12.9,	a sur su	$\mathcal{D}_{\mathcal{D}}$		
	12.11, 12.12, 12.13, 12.16, and 12.17, except that the		1th		
	test of 12.17 is performed at not less than 125 °C.	and the second second	No. N		
	Where the metal earth pin is replaced by an Insulated	me in in i			
	Shutter Opening Device (ISOD), the requirements of	a at at a	d .5		
all	clauses 22.2 and 23 also apply.	atter atter with and	- No.		
G.7.1	United Kingdom	Not directly connected to	N/A		
	To the first paragraph the following is added:	the mains	55		
	Equipment which is fitted with a flexible cable or cord	LIE INC. WALK WALK	-2012		
	and is designed to be connected to a mains socket		st		
	conforming to BS 1363 by means of that flexible cable	of the set set	NUT		
	or cord shall be fitted with a 'standard plug' in	when whe when	a. 1		
	accordance with the Plugs and Sockets etc (Safety)	i de de	,et		
	Regulations 1994, Statutory Instrument 1994 No.	THE LIFE ATE OF	ne.		
	1768, unless exempted by those regulations.	mer mer m m			
	NOTE "Standard plug" is defined in SI 1768:1994 and	i at at a	* .		
	essentially means an approved plug conforming to BS	THE NUTE MUTE MAIL	me		
		10° 10° 10° 10° 10° 10° 10° 10° 10° 10°			
white a	1363 or an approved conversion plug.	n			
G.7.1	Ireland	a at at at	N/A		
G.7.1	Ireland To the first paragraph the following is added:	TEX MITEX WAITER WAITER	N/A		
G.7.1	Ireland To the first paragraph the following is added: Apparatus which is fitted with a flexible cable or cord	Tet wattet wattet wattet	N/A		
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	Tet wattet whitet whitet	N/A		
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	TEX WALTER WALTER WALTER	N/A		
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:	Tet waitet waitet waitet	N/A		
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	A WALTER WALTER WALTER	N/A		
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	Tet would would would would would	N/A		
G.7.1 G.7.2	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	Not directly connected to	N/A N/A		



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	IEC/EN 62368	-1. the mark mark which	
Clause	Requirement – Test	Result – Remark	Verdict
dr.	all all a contractions of the	the strange of the strange	in me
MALTER W	A power supply cord with a conductor of 1,25 mm ² is allowed for equipment which is rated over 10 A and to and including 13 A.		e whitek
zc	ANNEX ZC, NATIONAL DEVIATIONS (EN)		- At
10.5.2	GermanyThe following requirement applies:For the operation of any cathode ray tubeintended for the display of visual images operatingat an acceleration voltage exceeding 40 kV,authorization is required, or application of typeapproval (Bauartzulassung) and marking.Justification:German ministerial decree against ionizingradiation (Röntgenverordnung), in force since2002-07-01, implementing the European Directive96/29/EURATOM.NOTE Contact address:Physikalisch-Technische Bundesanstalt,Bundesallee 100,D-38116 Braunschweig,Tel.: Int +49-531-592-6320,Internet: http://www.ptb.de	No CRT within the equipment.	N/A



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IEC/EN 62368-1

Clause

Requirement – Test

Result – Remark

Verdict

	FACHMENT TO TEST REPORT IEC 62368-1 DENMARK NATIONAL DIFFERENCES nformation and communication technology equipment –
	Part 1: Safety requirements
Differences according to:	DS/EN 62368-1:2014
Attachment Form No.:	DK_ND_IEC62368_1D
Attachment Originator:	UL (Demko)
Master Attachment:	2021-02-04

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	National Differences	1. 20 A	4
4.1.15	To the end of the subclause the following is added: Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet. The marking text in the applicable countries shall be as follows: "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til stikproppens jord."	Not directly connected to the mains	N/A
5.2.2.2	After the 2nd paragraph add the following: 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.	No high touch current.	N/A
5.6.1	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: In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	Added.	N/A
5.7.5	To the end of the subclause the following is added: The installation instruction shall be affixed to the equipment if the protective conductor current exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	Martin water water	N/A
5.7.6.2	To the end of the subclause the following is added: The warning (marking safeguard) for high touch current is required if the touch current or the protective current exceed the limits of 3,5 mA.	See for 5.7.5 above.	N/A



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IEC/EN 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict		
G.4.2	To the end of the subclause the following is added: Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011. CLASS I EQUIPMENT provided with socket-outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a. If a single-phase equipment having a RATED CURRENT exceeding 13 A or if a poly-phase equipment is provided with a supply cord with a plug, this plug shall be in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN 60309-2. Mains socket outlets intended for providing power to Class II apparatus with a rated current of 2,5 A shall be in accordance DS 60884-2-D1:2011 standard sheet DKA 1-4a. Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c. Mains socket-outlets with earth shall be in compliance with DS 60884-2-D1:2011 Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-5a or DK 1- 7a Justification: Heavy Current Regulations, Section 6c	Superiet superiet superiet			



Referen	ce No.:	WTF21	D090972	221Y

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Clause

Requirement – Test

IEC/EN 62368-1 Result – Remark

Verdict

		ATTACHMENT TO TEST REI	PORT	
(Au	idio/video, information an	IEC 62368-1 ITALY NATIONAL DIFFERE d communication technology equi		irements)
	ces according to:	CEI EN 62368-1:2016	The must white white	m m
	ent Form No.:	IT_ND_IEC62368_1D	and the second second	1 5
Attachm	ent Originator:	IMQ S.p.A.		
	ttachment:	Date 2021-02-04		
	ht © 2021 IEC System fo Geneva, Switzerland. /	or Conformity Testing and Cert All rights reserved.	tification of Electrical Equ	ipment
6	National Difference	es at all all a	his mus me m	
F.1	Italy The following requi	rements shall be fulfilled:	Not such equipment	N/A
	indicated on TV rec	mption in Watts (W) shall be evers and in their instruction for according to EN 60555-2).	whitek whitek whitek a	INTER WALT
	Note: EN 60555-2 60107-1:1997.	has since been replaced by IEC	NUTEX WAITER WAITER WAY	TEK WALTE
		be provided with an instruction diagrams and adjustments language.	At white white	* wn Tex w
	Italian language. Al	ols and terminals shall be in obreviation and international d provided that they are truction for use.	WALTER WALTER WALTER	WINTER WINT
	conformity declarat requirements in the statement for confo	cturers are bound to issue a ion according to the above instruction manual. The correct rmity to be written in the	antifer antifer antifer and	iet whitet
	rispetto delle dispo	snan be. io è fabbricato nella CEE nel sizioni del D.M. marzo 1992 ed iforme alle prescrizioni dell'art. 1	et waitet waitet waitet	wind feet win
	outside EEC are bo for previous confor	of TV receivers manufactured bund to submit the TV receivers mity certification to the Italian T). The TV receivers shall have	white white white	Tet white
	on the backcover the following form: D.M or pT	né certification number in the . 26/03/1992 xxxxx/xxxxx/S or T or Teletext	Tex whitex white white	W LIFE S
	pT for retrofitable te		Mart Mail Mail	me m
	Justification: Minist	erial Decree of 26 March 1992: elevision receivers trade.	Tet with with	NUTER WALTE
		decree above contains safety relevant requirements	sur an an a	at the



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K

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

4.1.2	TABLE: List of critical components					
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹	
Enclosure	CHI MEI CORPORATION	PA-765B+	Min. HB	UL 94	UL E56070	
РСВ	SHENZHEN UNIWELL CIRCUITS CO LTD	UW01	V-0, 130 °C	UL94, UL796	UL E314500	
Battery	Dongguan Vander- waalsforces li-ion battery Technology Co., Ltd	503035	3.7V, 500mAh, 1.85Wh	IEC 62133-2	Reference report No.SA19082 21L 02001	
Speaker	Shenzhen Yuna Sound Technology Co., Ltd	4020	4Ω/3W	IEC/EN 62368-1	Test with appliance	

Supplementary information:

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

4.8.4, 4.8.5	TABLE:	N/A		
(The follow	ving mech	nanical tests are conducte	ed in the sequence noted.)	JER MUTE MAIT
4.8.4.2	TABLE:	Stress Relief test	The ments where we are	
Part	UP IN	Material	Oven Temperature (°C)	Comments
	it is	at in the street which	Mer when when we we	A - A
4.8.4.3	TABLE:	Battery replacement test	ret ret life wife white	White water a
Battery par	t no		the second second	at the
Battery Inst	tallation/w	ithdrawal	Battery Installation/Removal Cycle	Comments
t st	JEt .	street white white w	1 4	et at al
			2	m _ m
			3	Jet-Jet
			stanting of 4 and she	In The
			5 15	aller and the all
4.8.4.4	TABLE:	Drop test	INTER WATER WATER WATER STATE	the state of
Impact Area	JUN Dro	op Distance	Drop No.	Observations
+ 51 <u>04-</u>	NUTER A	LIFE WALTE WALL WA	I to the	No damaged
- n z	*	et tet - set with	million 2 and all	No damaged
Inthe Joh	J. AUT.	mur mur a	3+ 3+	No damaged



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2. 20		C/EN 62368-1	an a
Clause	Requirement – Test	Result – Remark	Verdict

4.8.4.5	TABLE:	1 11-11		
Impacts per surface		Surface tested	Impact energy (J)	Comments
Ser and	man	mer mer mer m	1 At 19th 19th 19th	No damaged
4.8.4.6	TABLE:	Crush test	mur mu mu m	A 17 1
Test pos	sition	Surface tested	Crushing Force (N)	Duration force applied (s)
MALTE-	nn in m	in the the	at the out with a	LIE WITE WALTE
Suppleme	ntary inform	nation:	we we we we w	

4.8.5	TABLE: Lithium coin/button cell batteries mechanical test result					
Test pos	sition	Surface tested	Force (N)	Duration force applied (s)		
<u>لى مى مى</u>	JEET IS	lite white white where ?	1 - A A	. At 12 50		

5.2 Table: Classification of electrical energy sources				me n	1. In	Р		
5.2.2	.2 – Stead	dy State Voltage and	d Current conditions			et sie	UNLIFE I	
	t		at at anti-	Parameters	2 3	10		
No.	Supply Voltage	Supply Voltage Location (e.g. circuit designation)	Test conditions ¹⁾	U (Vrms or Vpk)	l (Apk or Arms)	Hz	ES Class	
1	5.0Vd		Normal	<60Vdc	Mat .	DC	20	
	IT NITE	designed to be supplied by	Abnormal	E J	t zt	. et d	ES1	
	n. in	micro USB port	Single fault – SC/OC	min-min	mr m	-70,	-201	
2	4.2Vdc	4.2Vdc The EUT is designed to be supplied by Internal Li-ion battery	Normal	<60Vdc	1 - S	DC	ES1	
			Abnormal	The store .	mm			
			Single fault – SC/OC	et and a	HIEK - HEK	NALLET N		
5.2.2	.3 - Capa	citance Limits	mer m. m.		t it	the s	fet ste	
-m	Supply	Location (e.g.	at the ste	Parameters			-20	
No.	Voltage			Capacitance, nF Upk (V)		ok (V)	ES Class	
	- ,+	the set	Normal	me me	m m			
	1 M 1	in min me	Abnormal	Set 5th	STE NIE	- mute	ant an	
	dt .	10- 10+ 50	Single fault – SC/OC	2m 1	1. 20.		10 -	
5.2.2	.4 - Single	e Pulses	1 1 1	at set	JER MUTER	anine al	in me	
No.	Supply	Location (e.g.	Test conditions	n. n.	Parameters		ES Class	



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			IEC/EN	62368-1			
Clause Requirement – Test					Result – Remark		Verdict
Jr.	when when we we are the the with which when we						
	Voltag	e circuit designation)	unties white whi	Duration (ms)	Upk (V)	lpk (mA)	et unitet
<u> </u>		A At	Normal	m- m	2 m 1		*
	WALTE	Mr. Mr. 2	Abnormal	A- 1	# .5 ⁴ .5	Jele Trile	white w
	A	at at	Single fault – SC/OC	U. AU	211 - 24		
5.2.2.	5 - Rep	etitive Pulses	- The second	at at	STER NITE	MALLE N	ner me
	Supply	Upply Ditage Location (e.g. circuit designation)	- MIET WITT WAY	Parameters			the out
No.	Voltage		Off time (m	s) Upk (V)	lpk (mA)	ES Class	
- 5		The south	Normal			1 J	1 July
	-m-	the state	Abnormal	mine-mi	in the second	en the	20
	JUL	IN TEN UNLIE IN	Single fault – SC/OC	,		+ - A	STER .
Norm		ns:	et whitet whitet w	the white	when whe	whitek	stret main
		rv information: SC=	Short Circuit OC=Short	Circuit			
Abno	rmal - ^N	ry information: SC=	Short Circuit, OC=Short	Circuit	NALIFER MALIE	WALL W	et s
v_{n}			the star	New M	the second is	m. m.	20.

5.4.1.4, 6.3.2, 9.0, B.2.6	TABLE: Temperature measurements				
JER WITE	Supply voltage (V):		See below	The still	NETE ONETE
e st	Ambient T _{min} (°C):	in wain w	le ne n	20- 1	* _ *
White y	Ambient T _{max} (°C):	* 🛷 .	ett	the marker while	ALL .
it.	Tma (°C):	m. m.	20 - 20	<u> </u>	
me m	we we we do	. (th. 56	T (°C)	unter white	Allowed T _{max} (°C)
Maximum r	neasured temperature T of part/at:	Condition 1: (5Vdc):	Condition 2 (4.2Vdc):		
Internal sur	face of enclosure	35.4	28.0	4 - A	Ref
Surface of	battery wire	36.2	28.2	in the m	85
Surface of	PCB U1	43.9	31.2		130
Surface of	PCB U4	42.4	31.7	min m	130
Surface of	battery	36.7	28.9	At St	Ref.
Surface of	USB connector	35.3	29.5	me -m	Ref.
External su	Irface of enclosure	33.8	27.4	5th -55th	5 77 5
Ambient	at at at sters	25.0	25.0	- 10 A	



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- m		C/EN 62368-1	me m
Clause	Requirement – Test	Result – Remark	Verdict

Supplementary information: Note 1: Tma should be considered as directed by appliable requirement Note 2: Tma is not included in assessment of Touch Temperatures (Clause 9) t₁ (°C) t₂ (°C) Allowed Insulati $\mathsf{R}_{1}\left(\Omega\right)$ $R_2(\Omega)$ T (°C) Temperature T of winding: on T_{max} (°C) class ÷ 2 \geq -------------

TABLE: Vicat softening temperature of thermoplastics		
when the she	the second se	it with with white
rial	Manufacturer/t rademark	T softening (°C)
at the tit	MILTER MILT MALT V	Mar Mi Mar 1
	erial	erial Manufacturer/t

5.4.1.10.3	TABLE: Ball	TABLE: Ball pressure test of thermoplastics					
Allowed imp	pression diam	eter (mm)	. ≤ 2 mm	me m	200-		
Object/Part No./Material		Manufacturer/trademark	Test temperature (°C)	Impression o (mm			
at alt		A A A A A A A A A A A A A A A A A A A		t it i	St 5		

5.4.2.2, TABLE: Minimum Clearances/Creepage distance 5.4.2.4 and 5.4.3							N/A
Clearance (cl) and creepage distance (cr) at/of/between:			Frequenc y (kHz) ¹	Required cl cl (mm) (mm) ²		Required ³ cr (mm)	cr (mm)
Supplementary information:	Link NN	int the	ex whiter	Intite MAL	I WAL	June -	10 - 100 - 164 - 156

5.4.2.3	TABLE: Minimum Clearances distances using required withstand voltage					
mr 1	Overvoltage Category (OV):					
dt .	Pollution Degree:	the all all an	i i it	15 1	t Set	
Clearance distanced between:		Required withstand voltage	Required cl (mm)	Measur	ured cl (mm)	
. And	m. m. m	1 1 1	Jet Je a	A STATE	and all	



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Clause	Requirement – Test	Result – Remark	Verdict

5.4.2.4	TABLE: Clearances b	ABLE: Clearances based on electric strength test					
Test volta	ge applied between:	Required cl (mm)	Test voltage (kV) peak/ r.m.s. / d.c.	Breakd Yes /			
Suppleme	entary information:	when when	The sub-	et whitek	INLIER WIN		

5.4.4.2, 5.4.4.5 c) 5.4.4.9	TABLE: Distance through insulation measurements					
Distance through insulation di at/of:		Peak voltage (V)	Frequency (kHz)	Material	Material Required DTI (mm)	
Supplemen	tary information	on:	White Will	white and	Mrt Mrt	-su Lit

5.4.9	TABLE: Electric strength	tests	A A	N/A
Test voltage	e applied between:	Voltage shape (AC, DC)	Test voltage (V)	Breakdown Yes / No
Supplemen	tary information:	white marter marter wh	tet whitet	ALTER SMITT N

tion Operating (N, S)	Switch position On or off	Measured Voltage (after 2 seconds)	ES Classification
-91-		the set of	the intro white
	tion Condition	tion Condition position	tion Condition position (after 2 seconds)

Supplementary information:

5.6.6.2	TABLE: Resistance	e of protective con	ductors and termin	nations	N/A
A NUMBER OF	ccessible part	Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)
Suppleme	ntary information:	ie unite whe	Mr m v	Tet NITT INT	et white white

5.7.2.2, 5.7.4	TABLE: Earthed accessible conductive p	art which which which which	N/A
Supply volt	age	at at at the the	The star
Location	Whitek whitek whitek white white w	Test conditions specified in 6.1 of IEC 60990 or Fault Condition No in IEC 60990 clause 6.2.2.1 through 6.2.2.8, except for 6.2.2.7	Touch current (mA)
A NUTER	Milt wath wath wath the	the state of the s	LER NUTER
20. 1	a st set att atter outre	2	
Supplemen	tary Information: Class III equipment		

Supplementary Information: Class III equipment



2 20	IEC	C/EN 62368-1	
Clause	Requirement – Test	Result – Remark	Verdict

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6.2.2	Table: Electric	Table: Electrical power sources (PS) measurements for classification					
Source	Description	Measurement	Max Power after 3 s	Max Power after 5 s* ⁾	PS Classification		
Battery Output pin + to -	Power (W) :	11.2	- STER - STER MI	e white wh			
	to -	V _A (V) :	3.5	m. In m	PS1		
	and me	I _A (A) :	3.2	NUTER INSTEEL WALTE	white whe		
Battery Output pin + to –(NTC SC)		Power (W) :	0*	The state	de de		
		V _A (V) :	0*	LIET MALT MALT	PS1		
	of the si	I _A (A) :	0*	- A	at at		

Supplementary Information: * Unit shutdown immediately, recoverable, no hazard

6.2.3.1	Table: Determination of Potential Ignition Sources (Arcing PIS)				
et whitet	Location	Open circuit voltage After 3 s (Vp)	Measured r.m.s current (Irms)	Calculated value (V _p x I _{rms})	Arcing PIS? Yes / No
STR.	ALTER WALTE WA	a white white	the state	it it it	STER MUTER

Supplementary information:

6.2.3.2	3.2 Table: Determination of Potential Ignition Sources (Resistive PIS)							
Circuit L (x-		Operating Condition (Normal / Describe Single Fault)	Measured wattage or VA During first 30 s (W / VA)	Measured wattage or VA After 30 s (W / VA)	Protective Circuit, Regulator, or PTC Operated? Yes / No (Comment)	Resistive PIS? Yes/No		
All interna /compo		WAT - WAT	uter uter	INLIGH MUTER	Multer willer and	Yes (Declaration)		

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.

All conductors and devices are considered as PIS.



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Clause	Requirement – Test	Result – Remark	Verdict
	an an an an	1 1 1 N N N	and the second

8.5.5	TABLE: High Pressure Lamp	mer mer m	N/A		
Descriptio	n w	Values	Energy Source Classification		
Lamp type	9.44	the and a sure of			
Manufactu	Jrer:	et stet - ster in	The water water - war war		
Cat no		241 - To	4 14 10 - 10 1		
Pressure	(cold) (MPa):	white marter would	MS_		
Pressure	(operating) (MPa)	the second second	MS		
Operating	time (minutes):	NUTER JAIT JANIT	un white the the		
Explosion	method:	i to de	the set of all a		
Max partic	cle length escaping enclosure (mm).:	LIET WAIT - WALT W	MS_		
Max partic	cle length beyond 1 m (mm):		MS_		
Overall re	sult	t while which whe	when the second states		
Suppleme	entary information:	1 15 13	- the stree with south		

B.2.5	.2.5 TABLE: Input test									
U (V)	I (A)	I rated (A)	- P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status			
Condition	1: Only d	lischarge i	mode with	internal b	attery fu	Illy charged	a water when when we			
4.2Vdc ²⁾	0.52		2.18	- KO			1/8 of max. non-clipped output power with 1KHz signal			
Condition	2: Charg	e while wo	orking mo	de with inte	ernal err	pty battery	No at the lit			
5.0Vdc ¹⁾	0.41	- 1 1	2.05			where v	1/8 of max. non-clipped output power with 1KHz signal			
Suppleme	entary info	ormation: 1) Supply b	y external	DC sou	rce, ²⁾ Meas	sured battery voltage and current.			

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- mar	Mr. M. S.	IEC/EN 62368-1	an untrea white wh	in which	$z_{W_{\pi}}$
Clause	Requirement – Test	I WILL WI W	Result – Remark	Verdie	ct 🖉

B.3	TABLE: A	onormal o	perating	conditi	on tests	dt.	at all after a	P N
Ambient ter	nperature (°	C)		<i></i>			25°C, if not specified	
Power sour	ce for EUT:	Manufactu	rer, mode	l/type, o	output rat	ing .: <	- wet with mit	anti-an
Compone nt No.	Abnormal Condition	Supply voltage, (V)	Test time (ms)	Fuse no.	Fuse current , (A)	T- couple	Temp. (°C)	Observation
Condition 1	: Only disch	arge mode	with inter	nal bat	tery fully	charged	s at at	Set Set
Speaker	100% of max. non- clipped output power	4.2Vdc ²⁾	1hrs 04mins	IE- WAITE		Type J	PCB near U4: 37.4 C Surface of Battery: 34.3 C; External surface of enclosure:29.5 C; Ambient:25.0 C.	normally.
Ventilation openings	blocked	4.2Vdc ²⁾	1hour0 6min	UNUTER UNUTER UNER UNER	SA SUL	Type J	PCB near U4: 33.3°C Surface of Battery: 31.2 °C; External surface of enclosure:28.6°C; Ambient:25.0°C.	Speaker has no output. No damage, no hazard. Recoverable. No higher temperature rise exceeding its limit occurred. Battery discharge current(A): 0.52
Speaker	an S-C an	4.2Vdc ²⁾	10mins	NUTER STER VINITER VINITER	antitek antitek antitek antitek	Type J	PCB near U4: 29.4 C Surface of Battery: 28.2 C; External surface of enclosure:26.9 C; Ambient:25.0 C.	Speaker has no output. No damage, no hazard. Recoverable. No higher temperature rise exceeding its limit occurred. Battery discharge current(A): $0.52 \rightarrow 0.027$



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				IEC/E	N 62368-1		
Clause	Requirem	ent – Test	Martin .	mer a	1. m.	Result – Remark	Verdict
Battery	Short circuit	4.2VDC	10min		J type	The white white w	Unit shut down, no damaged, no hazard. Battery discharge current(A): 0
Speaker	100% of max. non- clipped output power	5.0Vdc ¹⁾	1hrs 17mins		empty battery Type J	<u></u>	Unit working normally. No damage, no hazard. No higher temperature rise exceeding its limit occurred. Battery charge current(A): 0.520
Speaker	S-C	5.0Vdc ¹⁾	10mins	EK VI	Type J	PCB near U1: 40.4°C Surface of Battery: 35.9°C; External surface of enclosure:30.5°C; Ambient:25.0°C.	Speaker has no output. No damage, no hazard. Recoverable. No higher temperature rise exceeding its limit occurred. Battery charge :0.52A

Supplementary information: ¹⁾ Supply by external DC source, ²⁾ Measured battery voltage and current. Test table is provided to record abnormal conditions for all applicable energy sources including Thermal burn injury. Column "Abnormal" Specify if test condition by indicating "Abnormal" then the condition for a Clause B.3 test.

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20	IE	C/EN 62368-1	
Clause	Requirement – Test	Result – Remark	Verdict

B.4	TABLE: F	ault cond	ition test	S				Jet Je	Р
Ambient te	emperature (°C)		<u></u>			25°C, if not spec	ified	
Power sou	urce for EUT:	Manufact	urer, mod	el/type,	output ra	ating:	4 5 ⁶⁴ 55	A NUTER	mer-a
Compon ent No.	Fault Condition	Supply voltage, (V)	Test time (ms)	Fuse no.	Fuse current , (A)	T- couple	Temp. (°C)	Obs	ervation
Condition	1: Only char	ge with inte	ernal emp	oty batte	ery	- Inc		10 10	* 5
UI M	S-C	5Vdc ¹⁾	10min	et w	unitet Liet wir	Type J	net whitek white	Unit shu immedia damage hazard. Recove Battery current(ately. No e, no rable. charge
U4	S-C	5Vdc ¹⁾	7hrs	VIII UNLIEK TEK	Super a	Туре Ј	whitek whitek	Unit nor working damage hazard. Recove Battery current(i. No e, no rable. charge
Condition	2: Only discl	harge mod	e with inte	ernal ba	attery fully	/ charge	a ann	241 .	4 67
U1	S-C	5Vdc ¹⁾	10min	-yuniit miret	e voure	Type J	WALTER WALTER		rable. charge
U4	S-C	5Vdc ¹⁾	7hrs	ANT NATE	et sour	Туре Ј	at white white	Unit nor working damage hazard. Recove Battery current(i. No e, no rable. charge

Supplementary information: "Supply by external DC source, "Measured battery voltage and current. Test table is provided to record fault conditions for all applicable energy sources including Thermal burn injury. Column "Fault." Specify if test condition by indicating "Single Fault" then the condition for Clause B.4. 1) s-c: Short-circuited.

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.



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	Clause	Requirement – Test	Result – Remark	Verdict
10. C.I				

Annex M	TABLE:	Batterie	S					4	P
The tests o	f Annex M	are app	licable only v	when approp	riate battery	/ data is not	available	mar a	P 4
ls it possibl	e to instal	I the batt	ery in a reve	rse polarity p	osition?		.: No	A	N/A
in mi	Non-rec	hargeabl	e batteries	e de	Re	chargeable	batteries	in m	. m.
	Discha	arging	Un- intention	Charg	ing	Discha	rging	ging Reve char	
	Meas. current	Manuf. Specs.	al charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.
1) I _{max} in normal condition	Set - NILIS	X VIIII	t whitet	240mA	500mA	100mA	500mA	MUTON M	
2) I _{max} in fault <u>Max.non-</u> <u>clipped</u> <u>output</u> <u>power</u>	water w	MITET M	NUNTEE WA	238mA	500mA	520mA	500mA	STEX WALTER	owninex
3) I _{max} in fault <u>Ventilation</u> <u>openings</u> <u>blocked</u>	te vni	ie vunit	and a	240mA	500mA	100mA	500mA	SUNLIFEK N	NUTO N
4) I _{max} in fault <u>Speaker</u> <u>short</u> <u>circuit</u>	JUN JUN JUTEX JUN	N LIER NI	Tet	284mA	500mA	27mA	500mA	EK MALTEK	NINITEK MINITEK
5) I _{max} in fault <u>B- to P+</u>	Cer Juni	ex	A ANDITER	215mA	500mA	when when	S whiles	NALLER W	uret v
6) I _{max} in fault <u>B- to P-</u>	-veniner	WALTE .	and v	to with		116mA	500mA	Tex-uni	et
7) I _{max} in fault <u>battery</u> <u>short</u> <u>circuit</u>	unii v	NU V SEK	et <u>-</u> uriet	0mA	500mA	0mA	500mA	WALTER .	white.

Supplementary information: The data of abnormal charge and discharge current refer to table B.3 & B.4.



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Clause	Requirement – Test	Result – Remark	Verdict 🖉

nnex M.4 Table: A batteries	dditional safeguards for e	equipment c	ontaining	secondary lithiu	m P	
Battery/Cell	Test conditions	strek whi	ents	Observation		
No.	and the state	St USS	I (A)	Temp (°C)	in men me	
503035	Normal	4.20	0.110	32.4°C (under 25.0°C ambient)	The charging voltage does not exceed 4.20V and the charging current does not exceed 0.5A	
503035	Abnormal speaker SC	4.20	0.027	32.2°C (under 25.0°C ambient)	The charging voltage does not exceed 4.20V an the charging current does not exceed 0.5A	
503035	Single fault –Capacitor SC /OC -	4.20	0.001	WALTER WALTER	Unit shut down, no damaged, No hazard.The charging voltage does not exceed 4.20V and the charging current does not exceed 0.5A	

Battery identification	Charging at T _{lowest} (°C)	Observation	Charging at T _{highest} (°C)	Observation
Highest specified charging temperature: 50°C; Lowest specified charging temperature: 0°C	whitek white	The battery charging current 0.310A under normal and abnormal conditions	45°C	The battery charging circuit stop charging under normal and abnormal conditions

Annex Q.1 TA	BLE: Circuits in	ntended for i	nterconnection	with building	wiring (LPS)	N/A
Note: Measured	I U _{oc} (V) with all le	oad circuits di	sconnected:	WALL WALL	me me	In i
Output Circuit	It Circuit Components		U _{oc} (V) I _{sc} (A)		S (VA)	
		L Set	Meas.	Limit	Meas.	Limit
Output	Normal operation		*	8	LIFE INTIFE MAN	100
Output	Single fault	JUL- MU	m- m	- 8		100
Supplementary	Information:	N		- A. 5	at the part	Martin



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n. Mur	IEC/EN 62368-1	in white white white w	we the
Clause	Requirement – Test	Result – Remark	Verdict

T.2, T.3, TABLE: Steady force test T.4, T.5						
Part/Location	n Material	Thickness (mm)	Force (N)	Test Duration (sec)	Observation	
Internal components parts(T.2)	1 set waster w	LIEK WALLEY W	10	5	No reduction the clearances and creepage distances	
Enclosure top(T.5)	Plastic*	unit) uni	250	5	Enclosure remained intact, no crack/ opening developed	
Enclosure side(T.5)	Plastic*	white1) white	250	5	Enclosure remained intact, no crack/ opening developed	
Enclosure rear (T.5)	Plastic*	such 1) set	250	5 M	Enclosure remained intact, no crack/ opening develop	

T.6, T.9 **TABLE:** Impact tests N/A Thickness Vertical Part/Location Material Observation (mm) distance (mm) ---------___ ___ -----------____ 74 -2 -----

Supplementary information: *Test was performed on product with each source listed in table 4.1.2.

T.7	TABLE: Drop tests			THE SEE STEEL NO P.		
Part/Location	n Material	Thickness (mm)	Vertical distance (mm)	Observation		
Enclosure Top/Side	Plastic*	1)	1000	Enclosure remained intact, no crack/ opening developed. No hazards.		
Enclosure Bottom	Plastic*	1)	1000	Enclosure remained intact, no crac opening developed. No hazards.		
Enclosure Rear	Plastic*	1)	1000	Enclosure remained intact, no crack/ opening developed. No hazards.		

	1 1	•	star in the		
199				 10.01	

T.8	TABLE: Stress	relief test			the set	P
Part/Location	n Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observ	ation
Enclosure	Plastics	1)	70	15 J7 5 M	No damage,	no hazard
Supplementar	ry information:	NETE WAY	an an a	a at a	+ 1 5	1 .5ª



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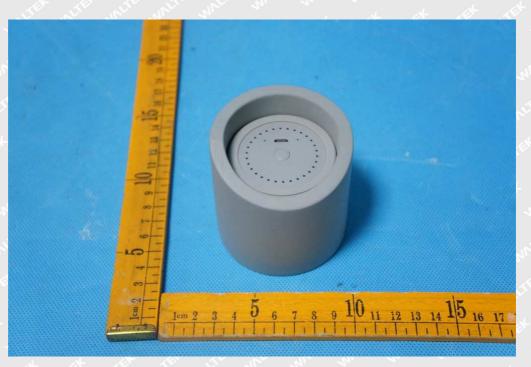


Photo 1 External view



Photo 2 External view



N CONTROL V

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Photo 3 Internal view



Photo 4 Internal view



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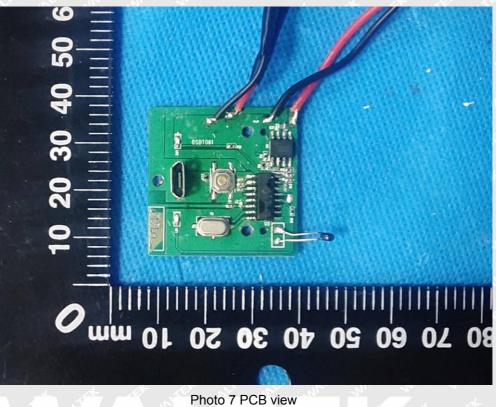
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Photo 6 Battery view

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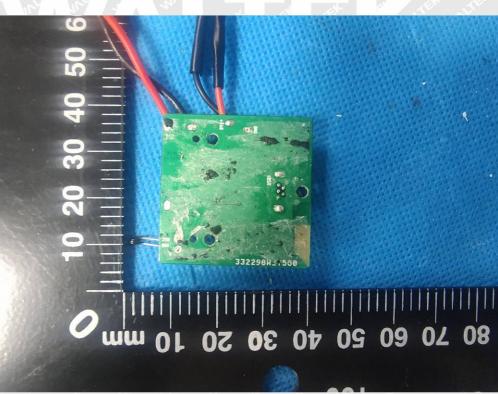


Photo 8 PCB view

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