



TEST REPORT

Reference No	:	WTF23D09203365D
Applicant	U	Mid Ocean Brands B.V.
Address	N.C	7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloo Hong Kong
Manufacturer	.4.	114628
Address		114628
Product		20W EU plug with Type-C
Model(s)	-3	MO2155
Total pages		88 pages and 3 pages of photo.
Standards	(1 %	 ☑ EN IEC 62368-1:2020+A11:2020 Audio/video, information and communication technology equipment Part 1:Safety requirements
Date of Receipt sample	it	2023-09-19
Date of Test		2023-09-19 to 2023-10-17

Date of Issue..... : 2023-10-20

Test Result..... Pass

Remarks:

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

Prepared By:

Waltek Testing Group Co., Ltd.

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Compiled by: Approved by: Devalgin Deval Qin / Designated Reviewer Mark Li / Project Engineer

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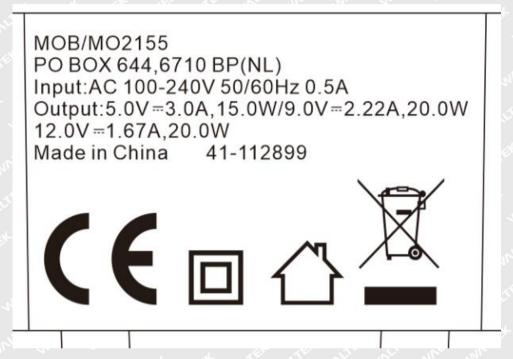
Test Item description	. 20W EU pl	ug with Type-C
Trade Mark(s)	. MOB	ex tex tex attex with write write.
Model/Type reference	. MO2155	
Ratings	Input: 100-	240V~, 50/60Hz, 0.5A
LIER WILER WILER WHITER WHI		Vdc 3.0A, 15.0W/9.0Vdc 2.22A, 20.0W 67A, 20.0W
Remark: Whether parts of tests for the product have k Yes If Yes, list the related test items and lab infor Test items: Lab information:	\boxtimes N	
Summary of testing: 1. These samples are tested and complied	with the req	uirements of standards listed on this report.
Tests performed (name of test and test of EN IEC 62368-1:2020+A11:2020 The submitted samples were found to comprequirements of above specification.	211	Testing location: No. 77, Houjie Section, Guantai Road, Houjie Town, Dongguan City, Guangdong, China
Summary of compliance with National D List of countries addressed: National Difference checked. The product fulfils the requirements of E	ences and G	Group Differences for CENELEC countries were
Statement concerning the uncertainty of N/A	f the measu	rement systems used for the tests
TE WALTE WAS AN AND THE	NLIEK WALT	n which traceability of the measuring uncertainty





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



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Test item particulars:	
Product group:	
Classification of use by:	
mer mer me me in the	☐ Instructed person
EX TEX ITEX SLIEN OLITER MILE MI	☐ Skilled person
Supply connection::	☐ AC mains☐ not mains connected:☐ ES1 ☐ ES2 ☐ ES3
Supply tolerance:	
THE THE THE	□ +%/% □ None
Supply connection – type:	
A MULTER WHITER WHITER WHITER WHITER	pluggable equipment type B - non-detachable supply cord appliance coupler
when me me in in	permanent connection
	mating connector other:
Considered current rating of protective device	☑ Others: 16 ALocation: ☑ building ☐ equipment
	□ N/A
Equipment mobility::	 ☐ movable ☐ hand-held ☐ transportable ☐ direct plug-in ☐ stationary ☐ for building-in ☐ wall/ceiling-mounted ☐ SRME/rack-mounted
Overvoltage category (OVC):	 □ other: □ OVC I □ OVC III □ OVC IV □ other:
Class of equipment:	☐ Class I ☐ Class III ☐ Class III ☐ Not classified ☐
Special installation location:	N/A□ restricted access area□ outdoor location□
Pollution degree (PD):	\square PD 1 \boxtimes PD 2 \square PD 3
Manufacturer's specified T _{ma} :	35°C
IP protection class:	
Power systems:	□ TN □ TT □ ITV L-L □ not AC mains
Altitude during operation (m):	
Altitude of test laboratory (m)	
Mass of equipment (kg):	0.049kg max.





- test case does not apply to the test object test object does meet the requirement test object does not meet the requirement	
	: P (Pass)
test object does not meet the requirement	
toot on jour accomment and requirement	: F (Fail)
Testing:	TEX WITE MULL MULL MULL MILL MILL MILL MILL MILL
Date of receipt of test item	: See cover page
Date (s) of performance of tests	: See cover page
General remarks:	which was an an a the
(see Enclosure #)" refers to additional information	on appended to the report.
(see appended table)" refers to a table appende	ed to the report.
Throughout this report a $\;\square\;$ comma / $\;\boxtimes\;$ po	int is used as the decimal separator.
General Product Information:	The sale of the sale of
Product Description:	t if the stiff with white white when when
1. The equipment are intended to use in informa	tion technology and audio/video equipment.
2. The adapter's top enclosure is secured to the	bottom enclosure by ultrasonic welding.
3. Specified maximum ambient temperature is 3	5°C.
4. The test samples are pre-production sample v	without serial numbers.
5. The EU plug portion was evaluated according	to EN 50075:1990.
Details see attachment plug portion test report.	
Model Differences	THE THE THE THE
They were my my to	
Model list:	
Write Murin Marin Marin Marin	

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	RCES AND SAFEGUARDS				
Clause	Possible Hazard				
5	Electrically-caused injury	Electrically-caused injury			
Class and Energy Source	Body Part	Safeguards			
(e.g. ES3: Primary circuit)	(e.g. Ordinary)	В	S	R	
ES3: Primary circuits supplied by a.c. mains supply	Ordinary	N/A	N/A	Transforme see 5.5.3, enclosure see 5.4.2, 5.4.3 and 5.4.4, Y-cap see 5.5.2, Optocouple	
ES1: Secondary output connector	Ordinary	N/A	N/A	see 5.5.4 N/A	
6	Electrically-caused fire				
Class and Energy Source	Material part Safeguards				
(e.g. PS2: 100 Watt circuit)	(e.g. Printed board)	В	1 st S	2 nd S	
PS3: All primary circuits inside the equipment enclosure	All combustible materials within equipment fire enclosure	Equipment safeguard (e.g., no ignition occurs)	Equipment safeguard (e.g., control of fire spread)	N/A N	
PS2: Secondary output connector	Connections of secondary equipment	Equipment safeguard (e.g., no ignition occurs)	N/A	N/A	
7	Injury caused by hazardous	substances			
Class and Energy Source	Body Part		Safeguards		
(e.g. Ozone)	(e.g., Skilled)	В	S	R	
N/A	N/A	N/A	N/A	N/A	
8	Mechanically-caused injury				
Class and Energy Source	Body Part		Safeguards		
(e.g. MS3: Plastic fan blades)	(e.g. Ordinary)	В	S	R	
MS1: Mass of the unit	Ordinary	N/A	N/A	N/A	
MS1: Edges and corners	Ordinary	N/A	N/A	N/A	



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9	Thermal burn			
Class and Energy Source	Body Part		Safeguards	
(e.g. TS1: Keyboard caps)	(e.g., Ordinary)	В	S	R
TS1: Plastic enclosure	Ordinary	N/A	N/A	N/A
10	Radiation			
Class and Energy Source	Body Part		Safeguards	
(e.g. RS1: PMP sound output)	(e.g., Ordinary)	В	S	R
N/A	N/A	N/A	N/A	N/A
Supplementary Information: "B" – Basic Safeguard; "S" – Su	pplementary Safeguard: "F	R" – Reinforced Sat	l feguard	NITE! WALTE

	2
ENERGY SOURCE DIAGRAM	
Indicate which energy sources are included in the energy source diagram. Insert diagram below	
MINITED WILLE WILL WILL WILLER	
⊠ ES ⊠ PS ⊠ MS ⊠ TS □ RS	
See details in ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE	



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TCICICIOC	140 VV11 20D0020000D	4000	1 agc 0 01 00			
The Whin			EN IEC 62368-1			
Clause	Requirement + Test	LITE	Will My My	Result - Remark	LET LE	Verdict

4	GENERAL REQUIREMENTS		P
4.1.1	Acceptance of materials, components and subassemblies	See appended table 4.1.2	Р
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.	Political Politi
4.1.3 MALTER	Equipment design and construction	Evaluation of safeguards regarding preventing access to ES3 parts, limiting the source supplying outputs to fulfill ES1, and protection in regard to risk of ignition, mechanical-caused injury and thermal burn considered.	TEX
4.1.4	Specified ambient temperature for outdoor use (°C)	Indoor use	N/A
4.1.5	Constructions and components not specifically covered	White mill while min	N/A
4.1.8	Liquids and liquid filled components (LFC)	(See G.15)	N/A
4.1.15	Markings and instructions	(See Annex F)	Р
4.4.3	Safeguard robustness	See below.	Р
4.4.3.1	General	et let let let o	Р
4.4.3.2	Steady force tests	(See Annex T.2, T.4)	Р
4.4.3.3	Drop tests	(See Annex T.7)	P
4.4.3.4	Impact tests	Direct plug in equipment	N/A
4.4.3.5	Internal accessible safeguard tests	The external enclosure cannot be opened without damaging the product.	N/A
4.4.3.6	Glass impact tests	(See Clause T.9, Annex U)	N/A
4.4.3.7	Glass fixation tests	EX NUTER MUTER MILITER MAY	N/A
t set	Glass impact test (1J)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
Aug	Push/pull test (10 N)	TOTAL MALL WALL WALL	N/A



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24	EN IEC 62368-1	the wife was about	211 211	
Clause	Requirement + Test	Result - Remark	Verdict	
4.4.3.8	Thermonizatio motorial toots	(Con Appey T 9)	L Pt	
	Thermoplastic material tests	(See Annex T.8)		
4.4.3.9	Air comprising a safeguard	(See Annex T)	Р	
4.4.3.10	Accessibility, glass, safeguard effectiveness	THE STEEL WITER WITER	P	
4.4.4	Displacement of a safeguard by an insulating liquid	111, 12, 11	N/A	
4.4.5	Safety interlocks	(See Annex K)	N/A P	
4.5	Explosion			
4.5.1	General	WHITE WILL WALL ON	A P	
4.5.2	No explosion during normal/abnormal operating condition	(See Clause B.2, B.3)	ANTI D	
et st	No harm by explosion during single fault conditions	(See Clause B.4)	P	
4.6	Fixing of conductors	EL WILL MULT MULT	N/A	
LITER	Fix conductors not to defeat a safeguard	- EK TEK TEK	N/A	
12,	Compliance is checked by test:	(See Clause T.2)	N/A	
4.7	Equipment for direct insertion into mains socket	-outlets	J.P	
4.7.2	Mains plug part complies with relevant standard:	ALL ALL ALL ALL	Р	
4.7.3	Torque (Nm):	Max. 0.028Nm	W PW	
4.8	Equipment containing coin/button cell batteries	The sale	N/A	
4.8.1	General	No coin cell.	N/A	
4.8.2	Instructional safeguard::	the set set	N/A	
4.8.3	Battery compartment door/cover construction	THE ME THE THE	N/A	
unlife un	Open torque test	TEX STEX OUTER MAL	N/A	
4.8.4.2	Stress relief test	The state of the s	N/A	
4.8.4.3	Battery replacement test	TEL MITES WALTER WALTE	N/A	
4.8.4.4	Drop test	at at at	N/A	
4.8.4.5	Impact test	White white white	N/A	
4.8.4.6	Crush test	THE THE LIFE AS	N/A	
4.8.5	Compliance	mi mi mi m	N/A	
ALTER MAL	30N force test with test probe	LIER SLIER WILLER WILL	N/A	
et et	20N force test with test hook		N/A	
4.9	Likelihood of fire or shock due to entry of condu	ctive object	P	
4.10	Component requirements	x st st	P	
4.10.1	Disconnect Device	(See Annex L)	Р	



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The Will.		EN IEC 62368-1		Murit Muri
Clause	Requirement + Test	The Mulit Muse of	Result - Remark	Verdict
- apr	7/1, 20,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Cally will wish	The in .
4.10.2	Switches and relays		(See Annex G)	N/A

5	ELECTRICALLY-CAUSED INJURY		JEP .
5.2	Classification and limits of electrical energy sour	ces which will be a second of the control of the co	Р
5.2.2	ES1, ES2 and ES3 limits	et tet tet stet mit	P
5.2.2.2	Steady-state voltage and current limits:	(See appended table 5.2)	Р
5.2.2.3	Capacitance limits	(See appended table 5.2)	N/A
5.2.2.4	Single pulse limits	(See appended table 5.2)	N/A
5.2.2.5	Limits for repetitive pulses	(See appended table 5.2)	N/A
5.2.2.6	Ringing signals	(See Annex H)	N/A
5.2.2.7	Audio signals	No such audio signals	N/A
5.3	Protection against electrical energy sources	H TEX STER OUTE WALT	Р
5.3.1 L	General Requirements for accessible parts to ordinary, instructed and skilled persons	See only 4.3 and 5.3 to 5.5 which applies to protection between the accessible parts and hazardous parts of other circuits.	P.K.
5.3.1 a)	Accessible ES1/ES2 derived from ES2/ES3 circuits	2 1 1 1 1 1 1	N/A
5.3.1 b)	Skilled persons not unintentional contact ES3 bare conductors	The water white was	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	Only ES1 circuit can be accessed for this product.	ul P
Inlies wi	Accessibility to outdoor equipment bare parts	TEX LIEX NUTER WITE	N/A
5.3.2.2	Contact requirements	No openings allowing entry of a probe. No access with test probe to any ES3 circuit or parts.	P W
ALL .	Test with test probe from Annex V	WALL WALL WALL WALL	_
5.3.2.2 a)	Air gap – electric strength test potential (V):	(See appended table 5.4.9)	N/A
5.3.2.2 b)	Air gap – distance (mm):	mit me me me	N/A
5.3.2.3	Compliance	TER LIER OLIER OLIER	N/A
5.3.2.4	Terminals for connecting stripped wire	1. M. M. 2.	N/A
5.4	Insulation materials and requirements	TER STEEL WITE WITE ON	P



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21/2	EN IEC 62368-1				
Clause	Requirement + Test	Result - Remark	Verdict		
5.4.1.2	Properties of insulating material	The choice and application have taken into account as specified in this Clause 5 and Annex T and natural rubber, hygroscopic materials or asbestos are not used as insulation.	P-		
5.4.1.3	Material is non-hygroscopic	Humidity conditioning test was conducted, refer to 5.4.8	PEK		
5.4.1.4	Maximum operating temperature for insulating materials:	(See appended table 5.4.1.4)	P		
5.4.1.5	Pollution degrees:	PD2	Р		
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	EX WHITEK WHITEK WHITE WH	N/A		
5.4.1.5.3	Thermal cycling test	LIET OUTER MATERIALITY	N/A		
5.4.1.6	Insulation in transformers with varying dimensions	THE THE RESERVE	N/A		
5.4.1.7	Insulation in circuits generating starting pulses	WILL MULL MULL MULL	N/A		
5.4.1.8	Determination of working voltage:	(See appended table 5.4.1.8)	UE P		
5.4.1.9	Insulating surfaces	a fun an a	Р		
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	White White White Whi	P		
5.4.1.10.2	Vicat test	(See appended table 5.4.1.10.2)	N/A		
5.4.1.10.3	Ball pressure test:	(See appended table 5.4.1.10.3)	unit P		
5.4.2	Clearances	The highest value of 5.4.3.3 and 5.4.2.3 be used.	TE P N		
5.4.2.1	General requirements	e ex tex itex til	P		
TEK.	Clearances in circuits connected to AC Mains, Alternative method	(See Annex X)	N/A		
5.4.2.2	Procedure 1 for determining clearance	Murrane and And	N/A		
RLTER WILL	Temporary overvoltage:	JEK JEK STEK STEK STEK	_		
5.4.2.3	Procedure 2 for determining clearance	in the state of	Р		
5.4.2.3.2.2	a.c. mains transient voltage:	Et NITE WALTER WALTER WAL	_		
5.4.2.3.2.3	d.c. mains transient voltage:	at the state of	_		
5.4.2.3.2.4	External circuit transient voltage	WILL MULL MULL MILL	_		



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27	I de the the the terminal and the termin	11/2 11/2	
Clause	Requirement + Test	Result - Remark	Verdic
5.4.2.3.2.5	Transient voltage determined by measurement:	mer mer me m	-
5.4.2.4	Determining the adequacy of a clearance using an electric strength test:	(See appended table 5.4.2)	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	TEX WHITE WHITE WHITE W	N/A
5.4.2.6	Clearance measurement:	(See appended table 5.4.2)	Р
5.4.3	Creepage distances	(See appended table 5.4.2.2, 5.4.2.4 and 5.4.3)	JUN LA EX
5.4.3.1	General	at at let let	υP
5.4.3.3	Material group:	Illa/IIIb	
5.4.3.4	Creepage distances measurement:	(See appended table 5.4.3)	P
5.4.4	Solid insulation	me me me	Р
5.4.4.1	General requirements	LITER INTER MALTER MALE	Р
5.4.4.2	Minimum distance through insulation:	(See appended table 5.4.4.2)	P
5.4.4.3	Insulating compound forming solid insulation	No insulation compound forming solid insulation other than optical isolator.	MAP
5.4.4.4	Solid insulation in semiconductor devices	_ 1	Р
5.4.4.5	Insulating compound forming cemented joints	MITE WALL WALLE WAS	N/A
5.4.4.6	Thin sheet material	Insulation tape	Р
5.4.4.6.1	General requirements	MULL MULL MULL MULL	Р
5.4.4.6.2	Separable thin sheet material	Reinforced insulation consisting of two layers of tape, each layer shall pass the electric strength test for reinforced insulation.	INLIER TEKP
MALTE	Number of layers (pcs):	2 TEN STEE MITE WALL	, P ^L
5.4.4.6.3	Non-separable thin sheet material	The state of	N/A
Mr. M	Number of layers (pcs):	UNITED WALTE WALTE WALTE	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material:	(See appended table 5.4.9)	N/A
5.4.4.6.5	Mandrel test	a sharp sharp s	N/A
5.4.4.7	Solid insulation in wound components	See G.5.3 and G.6.1 only.	Р
5.4.4.9	Solid insulation at frequencies >30 kHz, <i>E</i> _P , <i>K</i> _R , <i>d</i> , <i>V</i> _{PW} (V)	(See appended Table 5.4.4.9)	PLE



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TCCCCCCCCC	140 W 11 23D0320303D	1 age 13 01 00		
The while		EN IEC 62368-1		
Clause	Requirement + Test	rie mir mi m	Result - Remark	Verdict

	Alternative by electric strength test, tested voltage (V), K_R	(See appended Tables 5.4.4.9 and 5.4.9)	INLTER-
5.4.5	Antenna terminal insulation	The same of	Р
5.4.5.1	General	TEX INLIES WHITE WHITE W	P
5.4.5.2	Voltage surge test	L A St St S	P
5.4.5.3	Insulation resistance (MΩ):	Input to output: >100 MΩ	Р
MLTEN SI	Electric strength test	(See appended table 5.4.9)	P
5.4.6	Insulation of internal wire as part of supplementary safeguard	THE THE LIFE SLIER	N/A
5.4.7	Tests for semiconductor components and for cemented joints	et tet tet stet stet er	N/A
5.4.8	Humidity conditioning	me me m	Р
MULTER	Relative humidity (%), temperature (°C), duration (h)	95%, 40°C, 120 h	_
5.4.9	Electric strength test	(See appended table 5.4.9)	on P
5.4.9.1	Test procedure for type test of solid insulation:	(See appended table 5.4.9)	Р
5.4.9.2	Test procedure for routine test	Should be considered and conducted during production at factory.	N/A
5.4.10	Safeguards against transient voltages from external circuits	No connection to external circuits with transient voltage.	N/A
5.4.10.1	Parts and circuits separated from external circuits	Mrs. Mrs. My 20,	N/A
5.4.10.2	Test methods	LIER OLIER WILL WHILE	N/A
5.4.10.2.1	General		N/A
5.4.10.2.2	Impulse test	(See appended table 5.4.9)	N/A
5.4.10.2.3	Steady-state test	(See appended table 5.4.9)	N/A
5.4.10.3	Verification for insulation breakdown for impulse test:	THE THE THE	N/A
5.4.11	Separation between external circuits and earth	MULL MULL MULL MAN	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	No such external circuit.	N/A
5.4.11.2	Requirements	of the state outer in	N/A
CLIEK	SPDs bridge separation between external circuit and earth	THE THE LIFE SLIP	N/A
24	Rated operating voltage U _{op} (V)	are my my min	181



N/A

N/A

	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Mr.		WITE WILL WILL MINE	ale.
Et.	Nominal voltage U _{peak} (V):	a state of	_
ing in	Max increase due to variation ΔU_{sp} :	Write Auril Mur. Auri	-
LIEK MIT	Max increase due to ageing ΔUsa:	let tet tet stet stret	_
5.4.11.3	Test method and compliance:	(See appended table 5.4.9)	N/A
5.4.12	Insulating liquid	t aliet aliet mile and	N/A
5.4.12.1	General requirements	The The A	N/A
5.4.12.2	Electric strength of an insulating liquid	(See appended table 5.4.9)	N/A
5.4.12.3	Compatibility of an insulating liquid	(See appended table 5.4.9)	N/A
5.4.12.4	Container for insulating liquid:	TITE MUTIC MUTICALITY	N/A
5.5	Components as safeguards	et let just wiet o	P
5.5.1	General	m, m, m,	Р
5.5.2	Capacitors and RC units	Approved Y capacitor provided. See G.11.1.	Р
5.5.2.1	General requirement	LIEF STEE WILL MILE	Р
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector:	(See appended table 5.5.2.2)	N/A
5.5.3	Transformers	(See Annex G.5.3)	P
5.5.4	Optocouplers	Approved Optocoupler used.	Р
5.5.5	Relays	(See sub-clause 5.4)	N/A
5.5.6	Resistors	MULL MULL MULL MILL	N/A
5.5.7	SPDs	(See Clause G.8)	N/A
5.5.8	Insulation between the mains and an external circuit consisting of a coaxial cable	et let let let	N/A
5.5.9	Safeguards for socket-outlets in outdoor equipment	Mer Mer Mer 20	N/A
MALTER	RCD rated residual operating current (mA)	- Lifet Nifet Mifet and	_
5.6	Protective conductor	112 111 11 11 1	N/A
5.6.2	Requirement for protective conductors	CALLER ANTIER MALIE MALTE	N/A
5.6.2.1	General requirements		N/A

Colour of insulation

Requirement for protective earthing conductors

Protective earthing conductor size (mm²):

5.6.2.2

5.6.3



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TCICICIOC	140 WTT 20D0020000D	1 agc 10 01 00		
The Whin		EN IEC 62368-1		
Clause	Requirement + Test	THE MILL MUST MAN	Result - Remark	Verdict

Mr.	White the state of	MILL MILL MILL MILL	an.
WITEK W	Protective earthing conductor serving as a reinforced safeguard	LIER THE MITTER WATER	N/A
	Protective earthing conductor serving as a double safeguard	Tex lifex writer writer	N/A
5.6.4	Requirements for protective bonding conductors	The same of	N/A
5.6.4.1	Protective bonding conductors	et mile while while whi	N/A
TEK	Protective bonding conductor size (mm²):	at the tile of	_
5.6.4.2	Protective current rating (A)	Merit Mer Mer Mer	N/A
5.6.5	Terminals for protective conductors	Let Test Test with	N/A
5.6.5.1	Terminal size for connecting protective earthing conductors (mm)	et ret ret arret o	N/A
k stiek	Terminal size for connecting protective bonding conductors (mm)	The text item in	N/A
5.6.5.2	Corrosion	They are my my	N/A
5.6.6	Resistance of the protective bonding system	TEX STEE OUTER MATE	N/A
5.6.6.1	Requirements	The state of the s	N/A
5.6.6.2	Test Method	White White V	N/A
5.6.6.3	Resistance (Ω) or voltage drop	t to	N/A
5.6.7	Reliable connection of a protective earthing conductor	Must als als als	N/A
5.6.8	Functional earthing	While Mure Mure Mure	N/A
WITEH OF	Conductor size (mm²)	THE THE STATE	N/A
	Class II with functional earthing marking:	her me me m	N/A
LE WILL	Appliance inlet cl & cr (mm)	LEK NIEK WIEK WILLEN	N/A
5.7	Prospective touch voltage, touch current and pr	otective conductor current	F P
5.7.2	Measuring devices and networks	White while was was	Р
5.7.2.1	Measurement of touch current	at at all all	Р
5.7.2.2	Measurement of voltage	mir nur mur mur	Р
5.7.3	Equipment set-up, supply connections and earth connections	LITER WALTER WALTER WALTER	P
5.7.4	Unearthed accessible parts	(See appended table 5.7.4)	P
5.7.5	Earthed accessible conductive parts	(See appended table 5.7.5)	N/A
5.7.6	Requirements when touch current exceeds ES2 limits	White while while whi	N/A



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Clause	Requirement + Test	er militarity	Result - Remark	Verdict

	Protective conductor current (mA):	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
area a	Instructional Safeguard:	NITE WALTER WALLE WALL	N/A
5.7.7	Prospective touch voltage and touch current associated with external circuits	TEX UNITER WAITER WHITER	N/A
5.7.7.1	Touch current from coaxial cables	e at at set	N/A
5.7.7.2	Prospective touch voltage and touch current associated with paired conductor cables	MULT AND MY AND	N/A
5.7.8	Summation of touch currents from external circuits	White with which was	N/A
inlites our	a) Equipment connected to earthed external circuits, current (mA):	LIFEK WALTER WHITER WALTER	N/A
TEK WALT	b) Equipment connected to unearthed external circuits, current (mA)	TEX MALTEX WALTER WALTER	N/A
5.8	Backfeed safeguard in battery backed up supplie	es A A	N/A
20,	Mains terminal ES:	(See appended table 5.8)	N/A
CLIE	Air gap (mm)	TEX TEX LIER SLIE	N/A

6	ELECTRICALLY- CAUSED FIRE		P
6.2	Classification of PS and PIS	the little	of Poo
6.2.2	Power source circuit classifications:	(See appended table 6.2.2)	Р
6.2.3	Classification of potential ignition sources	TEX TEX STEE STEE	Р
6.2.3.1	Arcing PIS:	(See appended table 6.2.3.1)	Р
6.2.3.2	Resistive PIS	(See appended table 6.2.3.2)	n ^C P <
6.3	Safeguards against fire under normal operating and abnormal operating conditions		TEKP WY
6.3.1	No ignition and attainable temperature value less than 90 % defined by ISO 871 or less than 300 °C for unknown materials	(See appended table B.1.5 and B.3, B.4)	P
MALTER	Combustible materials outside fire enclosure:	TEX STEX OUTER MATER	N/A
6.4	Safeguards against fire under single fault condition	ons	Р
6.4.1	Safeguard method	Method by control of fire spread applied, Fire enclosure provided.	PW
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	THE THE STEE STEE	N/A



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211.	EN IEC 62368-1	it was one was an	101
Clause	Requirement + Test	Result - Remark	Verdict
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	TEX STEX STEX STEX	N/A
6.4.3.1	Supplementary safeguards	31 Vill vill Vill	N/A
6.4.3.2	Single Fault Conditions	(See appended table B.4)	N/A
Et JET	Special conditions for temperature limited by fuse	at the set of	N/A
6.4.4	Control of fire spread in PS1 circuits	MILL WILL MILL WILL	N/A
6.4.5	Control of fire spread in PS2 circuits	Compliance detailed as follows: - Printed board: rated min. V-0 - All other components: at least V-2 except for mounted on min. V-1 material or small parts of combustible material. Isolating transformer: complying with G.5.3.	UNPER INLIER WAS
6.4.5.2	Supplementary safeguards	comprying with 0.0.0.	Р
6.4.6 MILES	Control of fire spread in PS3 circuits	Compliance detailed as follows: - Printed board: rated min. V-1 or batter - Wire insulation (tubing): complying with Clause 6 (See Table 4.1.2 for wiring used). - All other components: at least V-2 except for mounted on min. V-1 material or small parts of combustible material. Isolating transformer: complying with G.5.3.	EX WALTER WAL
6.4.7	Separation of combustible materials from a PIS	at at at at	N/A
6.4.7.2	Separation by distance	MILL MILL MILL MILL	N/A
6.4.7.3	Separation by a fire barrier	TEN TEN THE STEEL	N/A
6.4.8	Fire enclosures and fire barriers	See below.	Р
6.4.8.2	Fire enclosure and fire barrier material properties	The V-0 material is used for the fire enclosure (overall enclosure).	PAL
6.4.8.2.1	Requirements for a fire barrier	No fire barrier.	N/A



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Clause	Requirement + Test	Result - Remark	Verdict
6.4.8.2.2	Requirements for a fire enclosure	The V-0 fire enclosure is used. See above.	P-
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	TER STER STER STER STER	LIE P
6.4.8.3.1	Fire enclosure and fire barrier openings	No Fire enclosure opening	Р
6.4.8.3.2	Fire barrier dimensions	No fire barrier	N/A
6.4.8.3.3	Top openings and properties	at at alt all	N/A
11/2 1	Openings dimensions (mm)	White Mir Mir Mir Mir	N/A
6.4.8.3.4	Bottom openings and properties	TEX TEX STEX SLIER	N/A
	Openings dimensions (mm)	or my my my	N/A
TE WALTE	Flammability tests for the bottom of a fire enclosure	(See Clause S.3)	N/A
t let	Instructional Safeguard	The state of	N/A
6.4.8.3.5	Side openings and properties	WHITE WALTE WALL WALL	N/A
CLER II	Openings dimensions (mm)	CH TEN TEN LITER	N/A
6.4.8.3.6	Integrity of a fire enclosure, condition met: a), b) or c)	WIT MUT THE MILE	N/A
6.4.8.4	Separation of a PIS from a fire enclosure and a fire barrier distance (mm) or flammability rating:	Fire enclosure material V-0 min.	P
6.4.9	Flammability of insulating liquid	White Aut Mus Mis	N/A
6.5	Internal and external wiring	TEX TEX LIER OLIER	N/A
6.5.1	General requirements	My My My My	N/A
6.5.2	Requirements for interconnection to building wiring	HIER WHIER WHIER WHIER	N/A
6.5.3	Internal wiring size (mm²) for socket-outlets:	See table 4.1.2	N/A
6.6	Safeguards against fire due to the connection to	additional equipment	Р
7	INJURY CAUSED BY HAZARDOUS SUBSTANCE	s life with this wall	N/A
72	Reduction of exposure to hazardous substances		N/A

7	INJURY CAUSED BY HAZARDOUS SUBSTANCES	N/A
7.2	Reduction of exposure to hazardous substances	N/A
7.3	Ozone exposure	N/A
7.4	Use of personal safeguards or personal protective equipment (PPE)	N/A
JEK IN	Personal safeguards and instructions:	₍₁
7.5	Use of instructional safeguards and instructions	N/A
MULL	Instructional safeguard (ISO 7010)	_



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The Willy		EN IEC 62368-1		
Clause	Requirement + Test	TE WILL MY MY	Result - Remark	Verdict
	" " " " " " " " " " " " " " " " " " "		A THE CLEAN TO A	The state of the s

7.6	Batteries and their protection circuits	N/A

8	MECHANICALLY-CAUSED INJURY		JE P
8.2	Mechanical energy source classifications		P
8.3	Safeguards against mechanical energy sources		N/A
8.4	Safeguards against parts with sharp edges and corners		Р
8.4.1	Safeguards	ALTER WITE WALTER	N/A
Alt S	Instructional Safeguard	The second second	N/A
8.4.2	Sharp edges or corners	WILL WULL MULL M	N/A
8.5	Safeguards against moving parts	at let let it	N/A
8.5.1	Fingers, jewellery, clothing, hair, etc., contact with MS2 or MS3 parts	No moving parts.	N/A
TEX S	MS2 or MS3 part required to be accessible for the function of the equipment	See above.	N/A
11, 11,	Moving MS3 parts only accessible to skilled person	WILL MALL MALL W	N/A
8.5.2	Instructional safeguard:	ALL ALLER ME	N/A
8.5.4	Special categories of equipment containing moving parts	The state of the	N/A
8.5.4.1	General	MULL MILL MILL	N/A
8.5.4.2	Equipment containing work cells with MS3 parts	TEN TIEN WITER	N/A
8.5.4.2.1	Protection of persons in the work cell	Mr. In In	N/A
8.5.4.2.2	Access protection override	Wife Wife White W	N/A
8.5.4.2.2.1	Override system		A N/A
8.5.4.2.2.2	Visual indicator	it will and and	N/A
8.5.4.2.3	Emergency stop system	THE THE TEN	N/A
CIEK	Maximum stopping distance from the point of activation (m)	mer mer me	N/A
TEK T	Space between end point and nearest fixed mechanical part (mm)	met met met	N/A
8.5.4.2.4	Endurance requirements	WITE WALLE WALL WAS	N/A
IEK WALTER	Mechanical system subjected to 100 000 cycles of operation	SEX SLEEK WITER SUITE	N/A
- Ath	- Mechanical function check and visual inspection	The state of	- N/A
2972 3	- Cable assembly	ALTE WITE WALLE	N/A



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- all	EN IEC 62368-1	ile alie will war wa	an.
Clause	Requirement + Test	Result - Remark	Verdict
0.5.4.2	Continue out has don't also them as having also fair	white and mer was	NI/A
8.5.4.3	Equipment having electromechanical device for destruction of media	LIET WITE WITER WALTER	N/A
8.5.4.3.1	Equipment safeguards		N/A
8.5.4.3.2	Instructional safeguards against moving parts:	ter onlie while while w	N/A
8.5.4.3.3	Disconnection from the supply	L of let let is	N/A
8.5.4.3.4	Cut type and test force (N)	Murr Aur Aur Au	N/A
8.5.4.3.5	Compliance	TEX STEX STEX MITE	N/A
8.5.5	High pressure lamps	No high pressure lamps used.	N/A
William Mil	Explosion test	LIET SLIER WITE WALLES	N/A
8.5.5.3	Glass particles dimensions (mm):	· · · · · · · · · · · · · · · · · · ·	N/A
8.6	Stability of equipment	TEL MALTE WALLE WALL WA	N/A
8.6.1	General	MS1: Mass of the unit	N/A
3/2	Instructional safeguard:	MULL MULL MULL MILL	N/A
8.6.2	Static stability	TEK TEK ALTER OLITER	N/A
8.6.2.2	Static stability test	We will so the	N/A
8.6.2.3	Downward force test	THE MITTER MITTER W	N/A
8.6.3	Relocation stability		N/A
211	Wheels diameter (mm):	White Mure must me	_
- LIER	Tilt test	LET TEX TEX STE	N/A
8.6.4	Glass slide test	Mill Mill My All	N/A
8.6.5	Horizontal force test:	TEX STEE STEE MATER	N/A
8.7	Equipment mounted to wall, ceiling or other struc	eture	N/A
8.7.1	Mount means type	No wall or ceiling	N/A
8.7.2	Test methods	at at set 5	N/A
7/10	Test 1, additional downwards force (N)	MULL MULL MULL MULL	N/A
WALTER W	Test 2, number of attachment points and test force (N)	UNLIER WALTER WALTER WALTER	N/A
niter whi	Test 3 Nominal diameter (mm) and applied torque (Nm)	LIER WALTER WALTER WALTER	N/A
8.8	Handles strength	Et TEX ITEX SITER OF	N/A
8.8.1	General	No handles	N/A
8.8.2	Handle strength test	TEN THE STEE WITH	N/A



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Reference	NO W [F 23D 092 03303D	EN IEC 62368-1	EK TEK LITEK	WILL WAS	C NIL
Clause	Requirement + Test	LIEY WHILE WILL WILL	Result - Remark	et le	Verdict

	Number of handles:	The state of	<u> </u>
mer m	Force applied (N)	NITE WALL WALL WALL	1/2.
8.9	Wheels or casters attachment requirements	at let let let	N/A
8.9.2	Pull test	No such parts	N/A
8.10	Carts, stands and similar carriers	EX LIEX NLIER WITE NO	N/A
8.10.1	General	No carts, stands or similar carriers	N/A
8.10.2	Marking and instructions	Mr. Mr. Mr. A.	N/A
8.10.3	Cart, stand or carrier loading test	LIEF SLIEF WITE WILLE	N/A
it s	Loading force applied (N):	The state of the s	N/A
8.10.4	Cart, stand or carrier impact test	TEL WALL WALL WALL OF	N/A
8.10.5	Mechanical stability	at the tite is	N/A
24,	Force applied (N)	MULL MULL MULL AND	10,
8.10.6	Thermoplastic temperature stability	TEX STEX STEEL STEEL	N/A
8.11	Mounting means for slide-rail mounted equipmen	t (SRME)	N/A
8.11.1	General	No such parts	N/A
8.11.2	Requirements for slide rails	the life	N/A
21/2	Instructional Safeguard:	Write Mr. Mr. M	N/A
8.11.3	Mechanical strength test	LEK JEK JEK ALI	N/A
8.11.3.1	Downward force test, force (N) applied:	Mary Mary My And	N/A
8.11.3.2	Lateral push force test	TEX SITES ONLY MITTER	N/A
8.11.3.3	Integrity of slide rail end stops	in the set	N/A
8.11.4	Compliance	LEE WALTE WALTE WALTE	N/A
8.12	Telescoping or rod antennas	e at at at	N/A
1/1/2	Button/ball diameter (mm):	No such parts	_

9	THERMAL BURN INJURY		Р
9.2	Thermal energy source classifications		Ver Bill
9.3	Touch temperature limits		J P
9.3.1	Touch temperatures of accessible parts:	(See appended table)	Р
9.3.2	Test method and compliance	e of the the title	P
9.4	Safeguards against thermal energy sources	Mury My Mr. M.	Р



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Reference N	10 W [F23D09203303D	EN IEC 62368-1	et itet with mi	TEX MALIE WALTE
Clause	Requirement + Test	TEX WALLEY WALL WILL	Result - Remark	Verdict

Alex	M. M. The It	the wife with one was	an.
9.5	Requirements for safeguards	The state of the state of	P
9.5.1	Equipment safeguard	Equipment safeguard	Р
9.5.2	Instructional safeguard:	Instructional safeguard is not required	N/A
9.6	Requirements for wireless power transmitters	a state of	N/A
9.6.1	General	No wireless power transmitters	N/A
9.6.2	Specification of the foreign objects	t at alt all said	N/A
9.6.3	Test method and compliance	(See appended table 9.6)	N/A
10	RADIATION		N/A
10.2	Radiation energy source classification	up up to	N/A
10.2.1	General classification	LER WILL WILL MATE	N/A
t SEX	Lasers:	A A A A	_
711	Lamps and lamp systems:	White must make my	_
MILIER A	Image projectors:	TEX TEX STEEL STEEL	_
	X-Ray:	The August The	_
TIE MIL	Personal music player:	White Walter W	_
10.3	Safeguards against laser radiation		N/A
AND TEXT	The standard(s) equipment containing laser(s) comply	No laser radiation	N/A
10.4	Safeguards against optical radiation from lamps LED types)	s and lamp systems (including	N/A
10.4.1	General requirements	WITE WALL WALL WALL	N/A
TEX WAL	Instructional safeguard provided for accessible radiation level needs to exceed	WER WALTER WALTER WALTER	N/A
* JIE*	Risk group marking and location:	at the thirt of	N/A
Tip.	Information for safe operation and installation	Mur Mrs Mrs And	N/A
10.4.2	Requirements for enclosures	- TEK LIER NIER MITE	N/A
	UV radiation exposure:	(See Annex C)	N/A
10.4.3	Instructional safeguard:	SLIEF MILE MILE WHILE V	N/A
10.5	Safeguards against X-radiation		N/A
10.5.1	Requirements	No X-radiation	N/A
CLIER	Instructional safeguard for skilled persons:	of let let liet life	_
10.5.3	Maximum radiation (pA/kg):	(See appended tables B.3 &	_



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Reference	NO.: WTF23D09203365D	EN IEC 62368-1	EK STEK STEK 16	LIE WALLE WALLE
Clause	Requirement + Test	White while with	Result - Remark	Verdict

J+	LEX TEX LITER MITTER MITTER WALL WALL	B.4)	1
10.6	Safeguards against acoustic energy sources	NITES INLIE WALTE WA	N/A
10.6.1	General	No such equipment	N/A
10.6.2	Classification	KIE WALL MALL WALL	N/A
	Acoustic output L _{Aeq,T} , dB(A)	et tet tet tret	N/A
- 0' - 4	Unweighted RMS output voltage (mV):	The Mr. M.	N/A
ancies a	Digital output signal (dBFS)	- ITEK ALTEK MITER AL	N/A
10.6.3	Requirements for dose-based systems	N1. 20 20	N/A
10.6.3.1	General requirements	WILL WALLE WALLE WAL	N/A
10.6.3.2	Dose-based warning and automatic decrease	a state of	N/A
10.6.3.3	Exposure-based warning and requirements	r were mur mus	N/A
MITE	30 s integrated exposure level (MEL30)	E TEX TEX STER	N/A
	Warning for MEL ≥ 100 dB(A)	my my my	N/A
10.6.4	Measurement methods	SLIFE SLIFE MILLER WA	N/A
10.6.5	Protection of persons		N/A
in and	Instructional safeguards:	MILL WALL	N/A
10.6.6	Requirements for listening devices (headphones, earphones, etc.)	I MITE WALLEY	N/A
10.6.6.1	Corded listening devices with analogue input	L at at the	N/A
2/1	Listening device input voltage (mV)	MUTE AND MENT A	N/A
10.6.6.2	Corded listening devices with digital input	TEX ITEX NITER ON	N/A
* *	Max. acoustic output L _{Aeq,T} , dB(A)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
10.6.6.3	Cordless listening devices	THE OUTER MUTE WHITE	N/A
y cet	Max. acoustic output L _{Aeq,T} , dB(A):	The state of	N/A

В	NORMAL OPERATING CONDITION TESTS, ABNORMAL OPERATING CONDITION TESTS AND SINGLE FAULT CONDITION TESTS		WILL PER
B.1	General	e at at the tret	JTP N
B.1.5	Temperature measurement conditions	(See appended table B.1.5)	Р
B.2	Normal operating conditions	TEX TEX STEX NUTER ON	RALL
B.2.1	General requirements	: (See Test Item Particulars and appended test tables)	PEK



N/A

P

Р

N/A

(See appended table B.3, B.4)

(See appended table B.3, B.4)

The EUT is continuous operating type and no such components intended for short time operation or intermittent

operation

Short circuit of functional insulation on coated

Short circuit or disconnection of passive

Continuous operation of components

Short-circuit and interruption of electrodes in tubes

	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
aller.	THE THE THE	ALTE MIT WALL WALL	alle
	Audio Amplifiers and equipment with audio amplifiers:	(See Annex E)	N/A
B.2.3	Supply voltage and tolerances	Rated voltage ± 10 %	P
B.2.5	Input test:	(See appended table B.2.5)	P
B.3	Simulated abnormal operating conditions	at let let stet is	Pol
B.3.1	General	(See appended table B.3)	Р
B.3.2	Covering of ventilation openings	to the life alter mile	N/A
NLIEK NA	Instructional safeguard:	Instructional safeguard is not required.	N/A
B.3.3	DC mains polarity test	n n m m	N/A
B.3.4	Setting of voltage selector	No voltage selector used.	N/A
B.3.5	Maximum load at output terminals	(See appended table B.3&B.4)	← P
B.3.6	Reverse battery polarity	No such battery	N/A
B.3.7	Audio amplifier abnormal operating conditions	et let let liet	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions	All safeguards remained effective	P
B.4	Simulated single fault conditions 错误!未指定书	ž	Р
B.4.1	General	The state of the state of the	P
B.4.2	Temperature controlling device	No such device used.	N/A
B.4.3	Blocked motor test	No motors used.	N/A
B.4.4	Functional insulation	(See appended table B.3, B.4)	OP-
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.3, B.4)	Р
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.3, B.4)	TIE PIN

printed boards

components

and semiconductors

B.4.4.3

B.4.5

B.4.6

B.4.7



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Clause	Requirement + Test	Result - Remark	Verdict
Mrs	THE THE THE	White Wall wall wall	an.
B.4.8	Compliance during and after single fault conditions	(See appended table B.3, B.4)	an Lite
B.4.9	Battery charging and discharging under single fault conditions	(See Annex M)	N/A
С	UV RADIATION		N/A
C.1	Protection of materials in equipment from UV rac	diation	N/A
C.1.2	Requirements	No such UV generated from the equipment.	N/A
C.1.3	Test method	at the title	N/A
C.2	UV light conditioning test	WILL MULL MULL MULL	N/A
C.2.1	Test apparatus:	et tet tet stet stet ei	N/A
C.2.2	Mounting of test samples	Mr. Mr. M. M.	N/A
C.2.3	Carbon-arc light-exposure test	LIER SLIER MITE WALL	N/A
C.2.4	Xenon-arc light-exposure test	Mr. Mr. Mr. Mr.	N/A
D	TEST GENERATORS		W. P
D.1	Impulse test generators		N/A
D.2	Antenna interface test generator	an an a	Р
D.3	Electronic pulse generator	E TO LIFE SUITE AND	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAINI	NG AUDIO AMPLIFIERS	N/A
E.1	Electrical energy source classification for audio signals		N/A
(Et	Maximum non-clipped output power (W):	The state of the	_
mr. m	Rated load impedance (Ω):	Will MULL MULL MULL	_
ITEX (LI	Open-circuit output voltage (V):	et set set stet s	_
	Instructional safeguard:	See Clause F.5	
E.2	Audio amplifier normal operating conditions	A STEE OUTER MALTER WALL	N/A
, lik	Audio signal source type:	The state of	_
21/27 2	Audio output power (W):	WALLE WALLE WALL WALL	_
NITEK IN	Audio output voltage (V):	et tet stet stet	_
	Rated load impedance (Ω):	in men and any	_
TERWALTE	Requirements for temperature measurement	(See Table B.1.5)	N/A
E.3	Audio amplifier abnormal operating conditions	(See Table B.3, B.4)	N/A



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Reference N	10 W [F23D09203303D	EN IEC 62368-1	EK LIEK NLIEK IN	TEX WALLE WALLE
Clause	Requirement + Test	TEX WALLEY WALL WALL	Result - Remark	Verdict

F	EQUIPMENT MARKINGS, INSTRUCTIONS, AND SAFEGUARDS	INSTRUCTIONAL	INLT P.
F.1	General		Р
r. aur	Language:	TEL MITE WALTER WALTER W	_
F.2	Letter symbols and graphical symbols	a state of	Po
F.2.1	Letter symbols according to IEC60027-1	Letter symbols for quantities and units are complied with IEC 60027-1.	P
F.2.2	Graphic symbols according to IEC, ISO or manufacturer specific	Graphical symbols are complied with IEC 60417, ISO 3864-2, ISO 7000 or ISO 7010.	NLT P
F.3	Equipment markings	Mr. Mr. Mr. An.	Р
F.3.1	Equipment marking locations	The required marking is located on the enclosure of the equipment and is easily visible.	WALTER
F.3.2	Equipment identification markings	See copy of marking plate.	√ [©] P
F.3.2.1	Manufacturer identification	See copy of marking plate	Р
F.3.2.2	Model identification	See copy of marking plate	P
F.3.3	Equipment rating markings	See the following details.	Р
F.3.3.1	Equipment with direct connection to mains	The equipment is direct connected to AC mains, see F.3.3.3 to F.3.3.6.	WP NITER
F.3.3.2	Equipment without direct connection to mains	his me me m	N/A
F.3.3.3	Nature of the supply voltage:	See copy of marking plate	P
F.3.3.4	Rated voltage:	See copy of marking plate	P
F.3.3.5	Rated frequency:	See copy of marking plate	Р
F.3.3.6	Rated current or rated power	See copy of marking plate	Р
F.3.3.7	Equipment with multiple supply connections	Only one mains supply connection provided.	N/A
F.3.4	Voltage setting device	No voltage setting device.	N/A
F.3.5	Terminals and operating devices	See below.	Pol
F.3.5.1	Mains appliance outlet and socket-outlet markings	No outlet used.	N/A
F.3.5.2	Switch position identification marking	Mur Mur Mur M.	N/A



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20,	EN IEC 62368-1	the way the the the	40
Clause	Requirement + Test	Result - Remark	Verdict
F.3.5.3	Replacement fuse identification and rating markings	The fuse is not intended to be replaceable.	N/A
at a	Instructional safeguards for neutral fuse:		N/A
F.3.5.4	Replacement battery identification marking:	TET WITE WALL WALL ON	N/A
F.3.5.5	Neutral conductor terminal	e at at all s	N/A
F.3.5.6	Terminal marking location	with mer me me	Р
F.3.6	Equipment markings related to equipment classification	MILES WHITES WHITES WHITE	W/NP
F.3.6.1	Class I equipment	Class II	N/A
F.3.6.1.1	Protective earthing conductor terminal	AFTER THE THE THE T	N/A
F.3.6.1.2	Protective bonding conductor terminals:	et jet liet kliet kliet in	N/A
F.3.6.2	Equipment class marking:	Class II equipment without functional earth. Symbol used.	P P P
F.3.6.3	Functional earthing terminal marking:	We Aug Aug	N/A
F.3.7	Equipment IP rating marking:	IPX0	N/A
F.3.8	External power supply output marking	See copy of marking plate.	P
F.3.9	Durability, legibility and permanence of marking	Marking is considered to be legible and easily discernible. See also the following details.	P
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.	ANTER WALTE
	THE WALTER WALTER WALTER WALTER WALTER WALTER	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.	
F.4	Instructions	The state of	P
Mer	a) Information prior to installation and initial use	LET WHITE WALL WALL WAS	P
t SUIEK	b) Equipment for use in locations where children not likely to be present	at the tite of	N/A



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The Marie	EN IEC 62368-1	er ter ter atter a	LIE WILL
Clause	Requirement + Test	Result - Remark	Verdict
Write	The August The The The The	ALTER MATERIAL SUNT	1/1/2
, et	c) Instructions for installation and interconnection	The second second	N/A
nur m	d) Equipment intended for use only in restricted access area	WILL MULL MULL MULL	N/A
The Whi	e) Equipment intended to be fastened in place	TER WITER WITER WHITE A	N/A
EK JEK	f) Instructions for audio equipment terminals	and the second	N/A
71/2	g) Protective earthing used as a safeguard	WHITE WHEN WAS WAS	N/A
WALTER	h) Protective conductor current exceeding ES2 limits	NITER MITTER MILITER MINITER	N/A
A EX	i) Graphic symbols used on equipment	at the fifth	Р
	j) Permanently connected equipment not provided with all-pole mains switch	THE MULT WAS MULT	N/A
	k) Replaceable components or modules providing safeguard function	er writer write write m	N/A
WALTE	I) Equipment containing insulating liquid	- LIER NITER WITER WAL	N/A
, et	m) Installation instructions for outdoor equipment	An In The Lite	N/A
F.5	Instructional safeguards	WITE WALLE WALL WALL	W. P
G	COMPONENTS		Р
G.1	Switches	Mur. Mur. 2	N/A
G.1.1	General	No switches used	N/A
G.1.2	Ratings, endurance, spacing, maximum load	The The The The	N/A
G.1.3	Test method and compliance	ALTER NATER WALTER WALTE	N/A
G.2	Relays	The state of the	N/A
G.2.1	Requirements	No relay used.	N/A
G.2.2	Overload test	at at tet tet	N/A
G.2.3	Relay controlling connectors supplying power to other equipment	the set the	N/A
G.2.4	Test method and compliance	MULT ME ME ME	N/A
G.3	Protective devices	THE THE LIFE OUTE	P
G.3.1	Thermal cut-offs	No thermal cut-offs provided within the equipment.	N/A
TEK OLTE	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	at the the ties	N/A
t STEK	Thermal cut-outs tested as part of the equipment as indicated in c)	which the tex it	N/A
G.3.1.2	Test method and compliance	with the men will	N/A



N/A

N/A

N/A

N/A

N/A

Ρ

Contraction of the Contraction o	No.: WTF23D09203365D Page 29 of 88 EN IEC 62368-1	et the the tier the	171
Clause		Result - Remark	Verdict
Clause	Requirement + Test	Result - Remark	veruici
G.3.2	Thermal links	No thermal links used.	N/A
G.3.2.1	a) Thermal links tested separately according to IEC 60691 with specifics	NITE WALTER WALTER	N/A
The Marie	b) Thermal links tested as part of the equipment	TEX WILL MALLE WALLE ON	N/A
G.3.2.2	Test method and compliance	L of the set of	N/A
G.3.3	PTC thermistors	MUTT AND MUT AND	N/A
G.3.4	Overcurrent protection devices	Fuse complied with IEC 60127	P
G.3.5	Safeguards components not mentioned in G.3.1 to G.3.4	out out the steet	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	the many and all the	N/A
G.3.5.2	Single faults conditions:	(See appended table B.4)	N/A
G.4	Connectors	F ITER SITER MITER MALE	Р
G.4.1	Spacings	Mr. Mr. 21	P
G.4.2	Mains connector configuration:	WITE WALTER WALTER WALTER	N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely	Et Juliet whilet	LITE'P W
G.5	Wound components		P.O
G.5.1	Wire insulation in wound components	Approved triple insulation wires (TIW) used for secondary winding of T1	P
G.5.1.2	Protection against mechanical stress	Construction used separate primary winding and secondary winding where they are crossing.	P
- d			777

Endurance test

Heat run test

Transformers

General test requirements

No insulation breakdown

Test time (days per cycle)....:

Test temperature (°C).....:

Wound components supplied from the mains

G.5.2

G.5.2.1

G.5.2.2

G.5.2.3

G.5.2.4

G.5.3



N/A

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Clause	Requirement + Test	Result - Remark	Verdict
G.5.3.1	Compliance method:	The transformer meets the requirements given in G.5.3.2 and G.5.3.3.	P
LIET WALF	Position:	T1- ITEL LITER MITER OF	Pur
A 15	Method of protection:	See G.5.3.2 and G.5.3.3.	Р
G.5,3.2	Insulation The profile white	Primary windings and secondary windings are separated by Reinforced insulation (The core is considered as primary part as it is not isolated from Primary)	P. Whitek
k whitek	Protection from displacement of windings:	Approved triple-insulated winding wire used in T1 for secondary winding.	
G.5.3.3	Transformer overload tests	(See appended table B.3, B.4)	P
G.5.3.3.1	Test conditions	Tested in the complete equipment as an SMPS.	n P
G.5.3.3.2	Winding temperatures	THE MITE WITE W	Pul
G.5.3.3.3	Winding temperatures - alternative test method	Alternative test method was not considered.	N/A
G.5.3.4	Transformers using FIW		N/A
G.5.3.4.1	General	WALTER WALTE WALT WALL	N/A
SLIFEK IN	FIW wire nominal diameter:	at the the ties	_
G.5.3.4.2	Transformers with basic insulation only	ANT MILL MIN MIN	N/A
G.5.3.4.3	Transformers with double insulation or reinforced insulation:	HER MUTER MUTER MUTER M	N/A
G.5.3.4.4	Transformers with FIW wound on metal or ferrite core	E WALTER WALTER WALTER WALT	N/A
G.5.3.4.5	Thermal cycling test and compliance	· Tek Itek Lifek Mile	N/A
G.5.3.4.6	Partial discharge test	The August August	N/A
G.5.3.4.7	Routine test	LIER WILL MILE MULTER	N/A
G.5.4	Motors	No motors used.	N/A
G.5.4.1	General requirements	TE MATE WALL WALL OWN	N/A
G.5.4.2	Motor overload test conditions	a at at at	N/A

Running overload test

G.5.4.3



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72,	EN IEC 62368-1	, and any any	
Clause	Requirement + Test	Result - Remark	Verdict
G.5.4.4.2	Locked-rotor overload test	mer and my m	N/A
uner un	Test duration (days):	NITE WALLE WALLE	_
G.5.4.5	Running overload test for DC motors	at the left left	N/A
G.5.4.5.2	Tested in the unit	The man with a	N/A
G.5.4.5.3	Alternative method	t jet liet wifet mi	N/A
G.5.4.6	Locked-rotor overload test for DC motors	The Mr. in the	N/A
G.5.4.6.2	Tested in the unit	SLIEF WITE WALTER WALTER	N/A
de c	Maximum Temperature	at the left right	N/A
G.5.4.6.3	Alternative method	They will mill mill	N/A
G.5.4.7	Motors with capacitors	at let let little	N/A
G.5.4.8	Three-phase motors	Mur. Mr. Mr. M.	N/A
G.5.4.9	Series motors	ties offer while out of	N/A
	Operating voltage:	The sale of the	_
G.6	Wire Insulation	WILL WILL MALLE WALL	√ P
G.6.1	General Market M	Triple insulated winding in T1 secondary windings used as reinforced safeguard in the isolating transformer that has separately complied with Annex J.	EF WILL
G.6.2	Enamelled winding wire insulation	Insulation does not rely on solvent-based enamel.	Р
G.7	Mains supply cords	WHITE WALLE WALL WALL WALL	N/A
G.7.1	General requirements	et get get gret o	N/A
1 N	Туре	me me m	_
G.7.2	Cross sectional area (mm² or AWG):	- SIER WITER WALLER WALL	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	TER STEE STEEL STILL	N/A
G.7.3.2	Cord strain relief	and the same of th	N/A
G.7.3.2.1	Requirements	CLIEF WALTER WALLE MALLE	N/A
IEK JEK	Strain relief test force (N):	at the little of	N/A
G.7.3.2.2	Strain relief mechanism failure	Auriz Auriz Auriz Au	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm):	TEX STEX STEX OUT	N/A
	Strain relief and cord anchorage material	1 10 10 10 10 10 10 10 10 10 10 10 10 10	N/A



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	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
242 C	WI WI THE RESERVE THE RESTRE	White white whi	The Mr.
G.7.4	Cord Entry	A A A	N/A
G.7.5	Non-detachable cord bend protection	Will Mury Mury	N/A
G.7.5.1	Requirements	at at all s	N/A
G.7.5.2	Test method and compliance	The Mr. M.	N/A
EL WALTER	Overall diameter or minor overall dimension, <i>D</i> (mm)	A MULTER MULTER MULTE	AND -
	Radius of curvature after test (mm):	TEX LIEK SLIEK	MITE -
G.7.6	Supply wiring space	m m	N/A
G.7.6.1	General requirements	LIER WILL NULLE MI	N/A
G.7.6.2	Stranded wire		N/A
G.7.6.2.1	Requirements	The White Mulit was	N/A
G.7.6.2.2	Test with 8 mm strand	- et let stet	N/A
G.8	Varistors	Mer Mer Mer	N/A
G.8.1	General requirements	TEX STEX STEE	N/A
G.8.2	Safeguards against fire	11. 14. 24.	N/A
G.8.2.1	General	Mr. M.	N/A
G.8.2.2	Varistor overload test	+ 1	/ N/A
G.8.2.3	Temporary overvoltage test	MULL MULL MULL	N/A
G.9	Integrated circuit (IC) current limiters	- TEK TEK TEK	N/A
G.9.1	Requirements	Mury Ang. Ang.	N/A
الماريق بمارا	IC limiter output current (max. 5A):	LIER ALTER MITER A	NITE -
A A	Manufacturers' defined drift:		A -
G.9.2	Test Program	TEX NOTE MULTER AND	N/A
G.9.3	Compliance	L at let 18	N/A
G.10	Resistors	mer mer mer	N/A
G.10.1	General	TEX LIEX NUTER	N/A
G.10.2	Conditioning	The The M	N/A
G.10.3	Resistor test	LIEK INLIER MALIER MA	N/A
G.10.4	Voltage surge test	, +t	of N/A
G.10.5	Impulse test	WALLE MALLE MALL	N/A
G.10.6	Overload test	Let Let Let	N/A
G.11	Capacitors and RC units	Mill Mill Mill	P



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Clause	Requirement + Test	Result - Remark	Verdict	
G.11.1	Conoral requirements	(See appended table 4.1.2)	P	
G.11.1	General requirements	(See appended table 4.1.2)	Р	
	Conditioning of capacitors and RC units	(See appended table 4.1.2)		
G.11.3	Rules for selecting capacitors	LIEN NIEN NIEN W	P	
G.12	Optocouplers	(0)	J 4	
, mr.	Optocouplers comply with IEC 60747-5-5 with specifics	(See appended table 4.1.2)	P	
MALTER	Type test voltage V _{ini,a} :	THE STEE STEEL STIFE	_	
	Routine test voltage, V _{ini, b} :	m m to	_	
G.13	Printed boards	LIFE WALTER MALTE WALLY	U P	
G.13.1	General requirements	Approved Printed board used	P C	
G.13.2	Uncoated printed boards	The insulation between conductors on the outer surfaces of an uncoated printed board complied with the minimum clearance and creepage requirements	P	
G.13.3	Coated printed boards	No coated printed board or multilayer board applied for within the equipment.	N/A	
G.13.4	Insulation between conductors on the same inner surface	white mile mile me	N/A	
G.13.5	Insulation between conductors on different surfaces	CALIFE WALTER WALTER WALTER	N/A	
TEX.	Distance through insulation	t at at let	N/A	
10, 10,	Number of insulation layers (pcs):	HITE WHITE WALL WALL	_	
G.13.6	Tests on coated printed boards	at all the set site of	N/A	
G.13.6.1	Sample preparation and preliminary inspection	mi m m	N/A	
G.13.6.2	Test method and compliance	- LIEX OLIER MILIER MILI	N/A	
G.14	Coating on components terminals	The the state of	N/A	
G.14.1	Requirements	(See Clause G.13)	N/A	
G.15	Pressurized liquid filled components	at at all all	N/A	
G.15.1	Requirements	recommendation and a	N/A	
G.15.2	Test methods and compliance	et tet liet allet al	N/A	
G.15.2.1	Hydrostatic pressure test	Mr. Mr. M.	N/A	
G.15.2.2	Creep resistance test	THE STEE STEE STEE	N/A	



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	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
in !	M M THE STATE OF THE STATE	Write wait whi whi	20/2
G.15.2.3	Tubing and fittings compatibility test		N/A
G.15.2.4	Vibration test	WILL MULL MULL MULL	N/A
G.15.2.5	Thermal cycling test	of get the the	N/A
G.15.2.6	Force test	. Aug. Aug. Au	N/A
G.15.3	Compliance	t liet aliet milet un	N/A
G.16	IC including capacitor discharge function (ICX)	24, 25, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	N/A
G.16.1	Condition for fault tested is not required	No such IC used	N/A
	ICX with associated circuitry tested in equipment	at at at let	N/A
V 10	ICX tested separately	THE MULL MULL MULL	N/A
G.16.2	Tests	et tet tet stet stret	N/A
ik steik	Smallest capacitance and smallest resistance specified by ICX manufacturer for impulse test:	THE THE THE	
TEX.	Mains voltage that impulses to be superimposed on	which will all the	<u> </u>
TEK T	Largest capacitance and smallest resistance for ICX tested by itself for 10000 cycles test	mit and me my	_
G.16.3	Capacitor discharge test	A CHILL MALL	N/A
Н	CRITERIA FOR TELEPHONE RINGING SIGNALS		N/A
H.1	General A The Thirt will will supply the same same same same same same same sam		N/A
H.2	Method A	LIFE OLITER MILITER MOLI	N/A
H.3	Method B	THE THE THE	N/A
H.3.1	Ringing signal	LITER MALIER MALIER MALIER	N/A
H.3.1.1	Frequency (Hz):	at at at all	_
H.3.1.2	Voltage (V):	it with mir with	_
H.3.1.3	Cadence; time (s) and voltage (V):	- I TEX LITER SOLITER AND	<u>ن</u>
H.3.1.4	Single fault current (mA):	We the second	<u> </u>
H.3.2	Tripping device and monitoring voltage	CALTER MALTER MALTE WALTE	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage	LIER WILLER MUTER MUTER	N/A
H.3.2.2	Tripping device	s at at alt	N/A
H.3.2.3	Monitoring voltage (V)	"WILL WILL MUT, M	N/A



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TOTOTOTO	140 11 11 20D0020000D	1 490 00 01 00		<u> </u>
The William		EN IEC 62368-1		
Clause	Requirement + Test	MULL MIN MIN	Result - Remark	Verdict

J	INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION		UNLI PL
J.1	General 11 11 11 11 11 11 11 11 11 11 11 11 11		Р
ici ani	Winding wire insulation	VIEW WILLE WALLE WHILE A	_
et JE	Solid round winding wire, diameter (mm):	L At At At S	N/A
JUN TEK	Solid square and rectangular (flatwise bending) winding wire, cross-sectional area (mm²)	WALL WALL WALL THE	N/A
J.2/J.3	Tests and Manufacturing	MULTINE MET MET ME	24
K	SAFETY INTERLOCKS		N/A
K.1	General requirements	m. m. m.	N/A
TE WALT	Instructional safeguard:	I EX OLITER WITE WHILE AN	N/A
K.2	Components of safety interlock safeguard mechanism		N/A
K.3	Inadvertent change of operating mode		N/A
K.4	Interlock safeguard override		N/A
K.5	Fail-safe		N/A
K.5.1	Under single fault condition	ALTER OLITER	N/A
K.6	Mechanically operated safety interlocks		N/A
K.6.1	Endurance requirement	The CHITE WALL WHILE WAS	N/A
K.6.2	Test method and compliance:	A A A A A	N/A
K.7	Interlock circuit isolation		N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements	Lifet whilet whilet	N/A
	In circuit connected to mains, separation distance for contact gaps (mm)	LEK WITER WHITER WHITER W	N/A
	In circuit isolated from mains, separation distance for contact gaps (mm):	E WIFE WIFE MILES WILL	N/A
WALTER	Electric strength test before and after the test of K.7.2	(See appended table 5.4.9)	N/A
K.7.2	Overload test, Current (A):	July 311 to the set	N/A
K.7.3	Endurance test	White while while while	N/A
K.7.4	Electric strength test	at the set set	N/A
L 71/2	DISCONNECT DEVICES		Р
L.1	General requirements	Plug portion used as disconnect device	Р



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Reference N	10 W [F23D09203303D	EN IEC 62368-1	EF STEE STEET ST	LIE WALTE WALTE
Clause	Requirement + Test	TER MULTER MULT MULT	Result - Remark	Verdict

L.2	Permanently connected equipment	t at at	N/A
L.3 W	Parts that remain energized	When AC plug is disconnected no hazardous voltage in the equipment.	NA P
L.4	Single-phase equipment	The mains plug disconnects both poles simultaneously.	EK P
L.5	Three-phase equipment	The same of the	N/A
L.6	Switches as disconnect devices	CLIER WILL WILL MILLE	N/A
L.7	Plugs as disconnect devices	See above	Р
L.8	Multiple power sources	Only one a.c. mains connection.	N/A
2/1/2	Instructional safeguard:	TEL MULTE WALL MAL MA	N/A
M	EQUIPMENT CONTAINING BATTERIES AND THEIR PROTECTION CIRCUITS		N/A
M.1	General requirements		N/A
M.2	Safety of batteries and their cells		N/A
M.2.1	Batteries and their cells comply with relevant IEC standards	No such battery used	N/A
M.3	Protection circuits for batteries provided within the equipment	The lift with	N/A
M.3.1	Requirements	The The The	N/A
M.3.2	Test method	ALTER MITER MALIE WALLE	N/A
LEF .	Overcharging of a rechargeable battery	THE THE SET SET	N/A
me an	Excessive discharging	RITE MILL WILL WILL	N/A
LIEN WALL	Unintentional charging of a non-rechargeable battery	THE MITTER WAITER WATER OF	N/A
EK LIEK	Reverse charging of a rechargeable battery	at the title of	N/A
M.3.3	Compliance	mer mer mer me	N/A
M.4	Additional safeguards for equipment containing a portable secondary lithium battery		N/A
M.4.1	General	TEX TEX STEX SUTER	N/A
M.4.2	Charging safeguards	in the sail and	N/A
M.4.2.1	Requirements	ex sites outer outlier out	N/A
M.4.2.2	Compliance:	Shirt Shirt Shirt	N/A
M.4.3	Fire enclosure	CALLE MALL MALL WALL	N/A



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, aller	EN IEC 62368-1	The The
Clause	Requirement + Test Result - Remark	Verdict
The .		11/2 11/2
M.4.4	Drop test of equipment containing a secondary lithium battery	N/A
M.4.4.2	Preparation and procedure for the drop test	N/A
M.4.4.3	Drop, Voltage on reference and dropped batteries (V); voltage difference during 24 h period (%)::	N/A
M.4.4.4	Check of the charge/discharge function	N/A
M.4.4.5	Charge / discharge cycle test	N/A
M.4.4.6	Compliance	N/A
M.5	Risk of burn due to short-circuit during carrying	N/A
M.5.1	Requirement	N/A
M.5.2	Test method and compliance	N/A
M.6	Safeguards against short-circuits	N/A
M.6.1	External and internal faults	N/A
M.6.2	Compliance	N/A
M.7	Risk of explosion from lead acid and NiCd batteries	N/A
M.7.1	Ventilation preventing explosive gas concentration	N/A
الد عد	Calculated hydrogen generation rate:	N/A
M.7.2	Test method and compliance	N/A
- TEX	Minimum air flow rate, Q (m³/h)	N/A
M.7.3	Ventilation tests	N/A
M.7.3.1	General	N/A
M.7.3.2	Ventilation test – alternative 1	N/A
ITE WILL	Hydrogen gas concentration (%)	N/A
M.7.3.3	Ventilation test – alternative 2	N/A
Alver	Obtained hydrogen generation rate:	N/A
M.7.3.4	Ventilation test – alternative 3	N/A
21/2 2	Hydrogen gas concentration (%):	N/A
M.7.4	Marking:	N/A
M.8	Protection against internal ignition from external spark sources of batteri with aqueous electrolyte	es N/A
M.8.1	General	N/A
M.8.2	Test method	N/A



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Clause	Requirement + Test	Result - Remark	Verdict	
Me	THE STEP STEP	THE WALL WALL ON	Vr. Alle	
M.8.2.1	General	a de de	N/A	
M.8.2.2	Estimation of hypothetical volume V_Z (m ³ /s):	Write Murit Muris And	2/12 - 1	
M.8.2.3	Correction factors:	LEK KEK STEK STEK	JULIE JA	
M.8.2.4	Calculation of distance d (mm):	in my m	* - \	
M.9	Preventing electrolyte spillage	EK STEK STEK SINTES	N/A	
M.9.1	Protection from electrolyte spillage	24	N/A	
M.9.2	Tray for preventing electrolyte spillage	WILL MULTE WHILE M	N/A	
M.10	Instructions to prevent reasonably foreseeable misuse	LIER WALTER WALTE	N/A	
TEX IN	Instructional safeguard:	at the fifth of the	N/A	
N Sa	ELECTROCHEMICAL POTENTIALS	The White Mary Mary	N/A	
M. WITER	Material(s) used:	- TEX STEX STEX	NITE MITTE	
0	MEASUREMENT OF CREEPAGE DISTANCES AN	ID CLEARANCES	P	
Write. A	Value of X (mm)	LIEK NIEK WITER WI	in min	
P	SAFEGUARDS AGAINST CONDUCTIVE OBJECT	S	- N/A	
P.1	General	The suntil suntil	N/A	
P.2	Safeguards against entry or consequences of er	ntry of a foreign object	N/A	
P.2.1	General	Mer all all	N/A	
P.2.2	Safeguards against entry of a foreign object	TEN LIEN OLITER OF	N/A	
	Location and Dimensions (mm)	Mr. Mr. Co.	* *	
P.2.3	Safeguards against the consequences of entry of a foreign object	NITE MILITE WALLER WAL	N/A	
P.2.3.1	Safeguard requirements	TEN TITES NATIONALITY	N/A	
EK WALTER	The ES3 and PS3 keep-out volume in Figure P.3 not applicable to transportable equipment	STER WITER WATER	N/A	
MALTER	Transportable equipment with metalized plastic parts	SLIEF WILES WHITES	N/A	
P.2.3.2	Consequence of entry test:	n to the second	N/A	
P.3	Safeguards against spillage of internal liquids	WILL MULL MULL MULL	N/A	
P.3.1	General	at let let let	N/A	
P.3.2	Determination of spillage consequences	Mur Mr. Mr.	N/A	
P.3.3	Spillage safeguards	A A A A	N/A	



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	110 1111 2020020000	1 490 00 01 00		
The MUTT.		EN IEC 62368-1		
Clause	Requirement + Test	E MULLI MA MA	Result - Remark	Verdict
	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- L 2		

Clause	Trequirement i rest	Tesuit - Remark	Verdici
Me	ral All Tet Ite	Will will man war	The.
P.3.4	Compliance	The state of the	N/A
P.4	Metallized coatings and adhesives securing par	ts, Life wall will will	N/A
P.4.1	General	at at the text	N/A
P.4.2	Tests	in mi me m	N/A
er intre	Conditioning, T _C (°C)	et tet tet steet steet set	THE REAL PROPERTY.
	Duration (weeks):	Aug Aug Au	_,+
Qui	CIRCUITS INTENDED FOR INTERCONNECTION	WITH BUILDING WIRING	JU P
Q.1	Limited power sources	See appended table Annex Q.1	nei P
Q.1.1	Requirements	a state of	P
7112	a) Inherently limited output	TE MULL MULL MULL MIL	N/A
y CLIER	b) Impedance limited output	of the text the site	N/A
WATER W	c) Regulating network limited output	A regulating network limits the output in compliance with table Q.1 both under normal operating conditions and after any single fault.	P WINLIEK WI
at al	d) Overcurrent protective device limited output	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
Merch	e) IC current limiter complying with G.9	I MITE WALL WALLE WAL	N/A
Q.1.2	Test method and compliance:	See appended table Annex Q.1	PER
MALTER ON	Current rating of overcurrent protective device (A)	TIET WILL WILLER	N/A
Q.2	Test for external circuits – paired conductor cable	SEX SLIER MILEY WHILEY	N/A
* (6)	Maximum output current (A):		N/A
m	Current limiting method	White while while whi	- Open
R CIER	LIMITED SHORT CIRCUIT TEST	et set let let	N/A
R.1	General	mi mi mi mi	N/A
R.2	Test setup	TEX LIEX WIFE MITES	N/A
<i>A</i>	Overcurrent protective device for test:		J+-
R.3	Test method	THE OUTER MATERIALITY OF	N/A
- All	Cord/cable used for test:		F
R.4	Compliance	WILL MULL MULL AND	N/A



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100000000	No:: WIT ZOB COZCOCOB	1 age 10 el 66		
ALL WALL		EN IEC 62368-1		
Clause	Requirement + Test	TE WILL MU MI	Result - Remark	Verdict

S	TESTS FOR RESISTANCE TO HEAT AND FIRE		P
S.1	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W		
ir, an	Samples, material:	TER WILL MALL MALL M	
EXT JE	Wall thickness (mm)	t let let let is	E#
24	Conditioning (°C):	MULL MULL MILL MILL	
MALTE	Test flame according to IEC 60695-11-5 with conditions as set out	MALTER MALTER WALTER WALTER	N/A
NITE N	- Material not consumed completely	TEX STEX OUTER SOUTER	N/A
<i>i</i> t .	- Material extinguishes within 30s	L. M. Z.	N/A
y me	- No burning of layer or wrapping tissue	EX WITE WAITE WALL MA	N/A
S.2	Flammability test for fire enclosure and fire barri	er integrity	N/A
	Samples, material:	MULL MULL MULL MULL	2n
CLIER	Wall thickness (mm):	TEK ITEK ALTER MITER	NILTE.
	Conditioning (°C):	ALL ALL ALL ALL	`
S.3	Flammability test for the bottom of a fire enclosu	ire the suntil of	N/A
S.3.1	Mounting of samples	The life is	N/A
S.3.2	Test method and compliance	White mer me me	N/A
- CLIFER	Mounting of samples:	TEN TEN LIEN NITE	- 10 5 6
7.	Wall thickness (mm):	My My My My	<u>**</u>
S.4	Flammability classification of materials	See Table 4.1.2 only.	II. P
S.5	Flammability test for fire enclosure materials of equipment with a steady state power exceeding 4 000 W	THE WALLEY WALLEY WALLEY WA	N/A
il Mille	Samples, material:	- LIER SLIER WILLIAMIA	Well was
, etc	Wall thickness (mm):	The the table	7E1
Mr.	Conditioning (°C):	INLIER WALTER WALLE WALL	24/2_
Total	MECHANICAL STRENGTH TESTS	at at all out	ďΡ
T.1	General	uri muri muri mi	Р
T.2	Steady force test, 10 N:	(See appended table T.2, T.3, T.4, T.5)	P
T.3	Steady force test, 30 N:	THE THE THE STR	N/A



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MULL	EN IEC 62368-1	TEL OLIER MALTE MALTE WA	alver
Clause	Requirement + Test	Result - Remark	Verdict
T.4	Steady force test, 100 N:	(See appended table T.2, T.3, T.4, T.5)	Р
T.5	Steady force test, 250 N:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
T.6	Enclosure impact test	VIEW WITE WHITE MALLE W	N/A
er cer	Fall test	L A LOT COT S	N/A
10	Swing test	MULL MULL MULL MILL	N/A
T.7	Drop test:	(See appended table T.7)	P
T.8	Stress relief test:	(See appended table T.8)	Р
T.9	Glass Impact Test:	(See appended table T.9)	N/A
T.10	Glass fragmentation test		N/A
is and	Number of particles counted	No such glass	N/A
T.11	Test for telescoping or rod antennas	at at all all all	N/A
TEX	Torque value (Nm):	No such antennas provided within the equipment.	N/A
U	MECHANICAL STRENGTH OF CATHODE RAY TO PROTECTION AGAINST THE EFFECTS OF IMPLO		N/A
U.1	General	a men men a	N/A
iek walte	Instructional safeguard :	No CRT provided within the equipment.	N/A
U.2	Test method and compliance for non-intrinsically	protected CRTs	N/A
U.3	Protective screen	Mury Aury Aury Aug	N/A
Vile in	DETERMINATION OF ACCESSIBLE PARTS	THE STEE OUTER MOTER	JI P
V.1	Accessible parts of equipment	We shall see	PΡ
V.1.1	General	WELL WILL MULL MILL ON	Р
V.1.2	Surfaces and openings tested with jointed test probes	et nitet mitet mitet mit	P.TE
V.1.3	Openings tested with straight unjointed test probes	at the state	Р
V.1.4	Plugs, jacks, connectors tested with blunt probe	mit with mil with	N/A
V.1.5	Slot openings tested with wedge probe	of the tel tel tel	N/A
V.1.6	Terminals tested with rigid test wire	ing the single	N/A
V.2	Accessible part criterion	CEL TEL TEL STEE STEE	Р



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The William		EN IEC 62368	-1 TEL NITER WITCH	life while whi
Clause	Requirement + Test	ALTE WALL WA	Result - Remark	Verdict

X of	ALTERNATIVE METHOD FOR DETERMINING CLEARANCES FOR INSULATION IN CIRCUITS CONNECTED TO AN AC MAINS NOT EXCEEDING 420 V PEAK (300 V RMS)			
LIET WAL	Clearance:	(See appended table X)	N/A	
Y	CONSTRUCTION REQUIREMENTS FOR OUTDOO	R ENCLOSURES	N/A	
Y.1	General	Indoor equipment	N/A	
Y.2	Resistance to UV radiation	at the title	N/A	
Y.3	Resistance to corrosion	White Mure Muse Man	N/A	
Y.3	Resistance to corrosion		N/A	
Y.3.1	Metallic parts of outdoor enclosures are resistant to effects of water-borne contaminants by:	of the text of the	N/A	
Y.3.2	Test apparatus	we we we	N/A	
Y.3.3	Water – saturated sulphur dioxide atmosphere	- ITEK SITEK MITER MALT	N/A	
Y.3.4	Test procedure:	Mr. Mr. C.	N/A	
Y.3.5	Compliance	CLIEF WALTER WALTER WALTER	N/A	
Y.4	Gaskets		N/A	
Y.4.1	General	A Church And A	N/A	
Y.4.2	Gasket tests	A THE THE WAY	N/A	
Y.4.3	Tensile strength and elongation tests	The The The	N/A	
WILL.	Alternative test methods	ALTER OLITER MALTER MALTER	N/A	
Y.4.4	Compression test	The state of	N/A	
Y.4.5	Oil resistance	NITER WALL WALL WALL	N/A	
Y.4.6	Securing means	(See Annex P.4)	N/A	
Y.5	Protection of equipment within an outdoor enclos	sure we want	N/A	
Y.5.1	General	- ITEX STEEL OUTER SINCE	N/A	
Y.5.2	Protection from moisture	The ship the	N/A	
MULL 1	Relevant tests of IEC 60529 or Y.5.3:	ALTER MALTE WALTE WALTE	N/A	
Y.5.3	Water spray test	at the left	N/A	
Y.5.4	Protection from plants and vermin	The Murit Murit Muri	N/A	
Y.5.5	Protection from excessive dust	at the the title is	N/A	
Y.5.5.1	General	mr. mr. m.	N/A	
Y.5.5.2	IP5X equipment	THE LIER STEEL WITH	N/A	



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	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Y.5.5.3	IP6X equipment	White with with	N/A
Y.6	Mechanical strength of enclosures	NITES WHITE WALTER W	N/A
Y.6.1	General	at at all o	N/A
Y.6.2	Impact test	The Main Man Man	N/A

MANAGE LEE CONTROLLER LE CONT



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TOICICITOC IN	0 VV 11 23D03203303D	. ()	1 age 44 01 00		- 1	
The William			EN IEC 62368-1			MALT
Clause	Requirement + Test	NITE	Will My My	Result - Remark	ZE)-	Verdict

ATTACHMENT TO TEST REPORT

IEC 62368-1

EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

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

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

Attachment Form No.....: EU_GD_IEC62368_1E

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

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

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In mer	CENELEC COMMON MODIFICATIO	NS (EN)	Р
MUNITER OF	IEC 62368-1:2020+A11:2020. All other those in the paragraph below, refers t	gures and annexes which are additional to	PER WALLER
NET WITE		native references to international publications heir corresponding European publications	P
	Annex ZC (informative) A-de	ial national conditions viations and CENELEC code designations for flexible cords	MILEX
1	Modification to Clause 3.		N/A
3.3.19	Sound exposure Replace 3.3.19 of IEC 62368-1 with the	ne following definitions:	N/A
3.3.19.1	momentary exposure level, MEL metric for estimating 1 s sound exposu the HD 483-1 S2 test signal applied to channels, based on EN 50332-1:2013, Note 1 to entry: MEL is measured as a levels in dB.	both 4.2.	N/A
iner and	Note 2 to entry: See B.3 of EN 50332-additional information.	-3:2017 for	



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- 70	15 to 25 + 25 - 2	EN IEC 62368-1	The state of the s	70, 40,
Clause	Requirement + Test		Result - Remark	Verdict

Clause	Requirement Frest	Tesuit - Remark	Verdict
21/6	the the tile tile	e write work w	100
3.3.19.3	sound exposure, E A-weighted sound pressure (p) squared and integrated over a stated period of time, T	ONLIER WALTER WHITER WAL	N/A
	Note 1 to entry: The SI unit is Pa ² s. $E = \int_{0}^{T} p(t)^{2} dt$	WALTER WHITER WALTER	anti durti
3.3.19.4	sound exposure level, SEL logarithmic measure of sound exposure relative to a reference value, <i>E0</i> , typically the 1 kHz threshold of hearing in humans.	WATER MUTE MUTER WITH	N/A
	Note 1 to entry: <i>SEL</i> is measured as A-weighted levels in dB.	LEX MULTER MULTER WALTER	MALIER WA
	$SEL = 10 \lg \left(\frac{E}{E_0}\right)_{\text{dB}}$	white mult while w	VER WHILER
	Note 2 to entry: See B.4 of EN 50332-3:2017 for additional information.	ant was an a	t let
3.3.19.5	digital signal level relative to full scale, dBFS	THE MILL WILL	N/A
	levels reported in dBFS are always r.m.s. Full scale level, 0 dBFS, is the level of a dc-free 997-Hz sine wave whose undithered positive peak value is positive digital full scale, leaving the code corresponding to negative digital full scale unused	TEX LIEX NITER	WALTER WALTER
	Note 1 to entry: It is invalid to use dBFS for non-r.m.s. levels. Because the definition of full scale is based on a sine wave, the level of signals with a crest factor lower than that of a sine wave may exceed 0 dBFS. In particular, square wave signals may reach +3,01 dBFS.	Whitek whitek whitek whitek	EX WITEX
2	Modification to Clause 10		N/A
10.6	Safeguards against acoustic energy sources Replace 10.6 of IEC 62368-1 with the following:	mari war war	N/A
10.6.1.1 W	Introduction Safeguard requirements for protection against long-term exposure to excessive sound pressure levels from personal music players closely coupled to the ear are specified below. Requirements for earphones and headphones intended for use with personal music players are also covered. A personal music player is a portable equipment intended for use by an ordinary person, that:	JUNITED WALLEY WALTER WALTER JET WALTER WALTER WALTER JET WALTER WALTER JET JUNITER JUNI	N/A



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MULL	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Whitek W	 is designed to allow the user to listen to audio or audiovisual content / material; and uses a listening device, such as headphones or earphones that can be worn in or on or around the ears; and has a player that can be body worn (of a size suitable to be carried in a clothing pocket) and is intended for the user to walk around with while in continuous use (for example, on a street, in a subway, at an airport, etc.). 	ALIEK WHITEK WHITEK WH	TEX WILLEY WILLE
	EXAMPLES Portable CD players, MP3 audio players, mobile phones with MP3 type features, PDAs or similar equipment.	MILIER WHITE WHITE	White white
	Personal music players shall comply with the requirements of either 10.6.2 or 10.6.3.	the tex sites on	IEK WATER WAT
y whitek	NOTE 1 Protection against acoustic energy sources from telecom applications is referenced to ITU-T P.360.	Whitek Mritek Mritek	MULTER WALTER
MALTER WAL	NOTE 2 It is the intention of the Committee to allow the alternative methods for now, but to only use the dose measurement method as given in 10.6.5 in future. Therefore, manufacturers are encouraged to implement 10.6.5 as soon as possible.	with mur war.	UNLITER WILLIER
EK WALTE KWALTEK WALTEK	Listening devices sold separately shall comply with the requirements of 10.6.6. These requirements are valid for music or video mode only. The requirements do not apply to: — professional equipment;	white white white	white white
	NOTE 3Professional equipment is equipment sold through special sales channels. All products sold through normal electronics stores are considered not to be professional equipment.	Writer Murie Muries and	ne united uni
	 hearing aid equipment and other devices for assistive listening; the following type of analogue personal music players: long distance radio receiver (for example, a multiband radio receiver or world band radio receiver, an AM radio receiver), and cassette player/recorder; 	JUNITER WALTER WALTER	united united on the out
TE WALTER	NOTE 4 This exemption has been allowed because this technology is falling out of use and it is expected that within a few years it will no longer exist. This exemption will not be extended to other technologies.	AND TEX MULTER WHITE	White white



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	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
unitek unit	- a player while connected to an external amplifier that does not allow the user to walk around while in use. For equipment that is clearly designed or intended primarily for use by children, the limits of the relevant toy standards may apply.	ALIER WALTER WALTER WALTER	TEX INTEX
10.6.1.2	The relevant requirements are given in EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply. Non-ionizing radiation from radio frequencies in	SINITER MILITER MILITER W	N/A
nere white whitek whitek whitek whitek	the range 0 to 300 GHz The amount of non-ionizing radiation is regulated by European Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz). For intentional radiators, ICNIRP guidelines should be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (up to 300 GHz). For handheld and body mounted devices, attention is drawn to EN 50360 and EN 50566.	LIER WALTER WA	ALL WAS
10.6.2	Classification of devices without the capacity to	estimate sound dose	N/A
10.6.2.1	General This standard is transitioning from short-term based (30 s) requirements to long-term based (40 hour) requirements. These clauses remain in effect only for devices that do not comply with sound dose estimation as stipulated in EN 50332-3.	White whitek whitek w	N/A
	For classifying the acoustic output LAeq, T, measurements are based on the A-weighted equivalent sound pressure level over a 30 s period.	TEX MILIER MALTER WALTER	nu iek nu
	For music where the average sound pressure (long term <i>L</i> Aeq, <i>T</i>) measured over the duration of the song is lower than the average produced by the programme simulation noise, measurements may be done over the duration of the complete song. In this case, <i>T</i> becomes the duration of the song.	UNLIEK WALTER WALTER	WALTER WALTER
	NOTE Classical music, acoustic music and broadcast typically has an average sound pressure (long term <i>L</i> Aeq, <i>T</i>) which is much lower than the average programme simulation noise. Therefore, if the player is capable to analyse the content and compare it with the programme simulation noise, the warning does not need to be given as long as the average sound pressure of the song does not	LIER WALTER WALTER WALTER	MILE WATE



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EN IEC 62368-1					
Clause	Requirement + Test	Result - Remark	Verdict		
aller.	AN AN AN TEL STEE	ALTER MITE WALL	min min		
4	exceed the required limit.	20, 20	4 1		
	For example, if the player is set with the	A A A	TEN LIE		
	programme simulation noise to 85 dB, but the	LITE MILE WALL V	We the		
	average music level of the song is only 65 dB,	1. 2			
	there is no need to give a warning or ask an	at at at .	TEN JEN S		
	acknowledgement as long as the average sound	The Street Will MA	20, 20		
	level of the song is not above the basic limit of 85	70, 20,			
	dB.	t et et st			
10.6.2.2	RS1 limits (to be superseded, see 10.6.3.2)	AND AND AND	N/A		
	RS1 is a class 1 acoustic energy source that does	LIEF NITER WIFE	WALTER WALTER		
	not exceed the following:	11/2 21, 24.			
	- for equipment provided as a package (player with	a at at	LET SEE		
	its listening device), and with a proprietary	THE STIES WITH M	7. 2 C. 2		
	connector between the player and its listening	1 21 21 21 21			
	device, or where the combination of player and	1 1 1 1	ar ar		
	listening device is known by other means such as	ER LIE CLIE JAN	in the		
	setting or automatic detection, the LAeq, T acoustic	21/2 21/2 20			
	output shall be ≤ 85 dB when playing the fixed	L A A	· <6 - 66		
	"programme simulation noise" described in EN	TEN SITE OFF	aver aver		
	50332-1.	Mr. Mr. Co.			
	– for equipment provided with a standardized	The state of	LET LET		
	connector (for example, a 3,5 phone jack) that	THE THE CLIP	Ur. Aug.		
	allows connection to a listening device for general	14. 14. 14. 1			
	use, the unweighted r.m.s. output voltage shall be ≤		LET LET		
	27 mV (analogue interface) or -25 dBFS (digital	LET STILL OF	11 11 W		
	interface) when playing the fixed "programme	2 27, 22,	~		
	simulation noise" described in EN 50332-1.	6 6	t let is		
		The state of the	The William		
	 The RS1 limits will be updated for all devices as per 10.6.3.2. 	me in m	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
10.6.2.3	RS2 limits (to be superseded, see 10.6.3.3)	WALTER WALTER WALLE	N/A		
	A POOL OF LAND WITH AND WITH AND		LET LET		
	RS2 is a class 2 acoustic energy source that does	THE OF OR	VII. VII.		
	not exceed the following:	to the the			
	- for equipment provided as a package (player with		et et		
	its listening device), and with a proprietary	CH THE UP I	11/2 OF		
	connector between the player and its listening	in my my my	2, 2,		
	device, or when the combination of player and	1 1 1	L 25 2		
	listening device is known by other means such as	- THE THE STEE	ale are		
	setting or automatic 130 detection, the LAeq,T	Mr. Mr. Mr.	20,		
	acoustic output shall be ≤ 100 dB(A) when playing	1 4			
	the fixed "programme simulation noise" as	LEK LEE LIE	The William		
	described in EN 50332-1.	The Mer My	20, 72,		
	 for equipment provided with a standardized 		at at		
	connector (for example, a 3,5 phone jack) that	LET THE THE	CTV JOHN N		
	allows connection to a listening device for general	in the the	2. 2		
	use, the unweighted r.m.s. output voltage shall be ≤		x+ x+		
	150 mV (analogue interface) or -10 dBFS (digital	of the the			
	interface) when playing the fixed "programme	The same was	10 10		
	Interface, when playing the fixed programme				
	simulation noise" as described in EN 50332-1.	75. 7	0- 0		
10.6.2.4		THE LIE WITH	N/A		



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Reference	10 W 1F23D09203303D	EN IEC 62368-1	EK STEK OSTEK S	WILL MULL MULL
Clause	Requirement + Test	TEX MULLER MULL AND	Result - Remark	Verdict

et.	exceeds RS2 limits.	4. 4. 4.
10.6.3	Classification of devices (new)	N/A
10.6.3.1	General Previous limits (10.6.2) created abundant false negative and false positive PMP sound level warnings. New limits, compliant with The Commission Decision of 23 June 2009, are given below.	et until until until
10.6.3.2	RS1 limits (new)	N/A
ALTER JUNG SEER JUNGSEER JUNGSEER JUNGSEER JUNGSEER JUNGSEER	RS1 is a class 1 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the <i>L</i> Aeq, <i>T</i> acoustic output shall be ≤ 80 dB when playing the fixed "programme simulation noise" described in EN 50332-1. — for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output voltage shall be ≤ 15 mV (analogue interface) or -30 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN 50332-1.	TEK WILTER WILTER WILTER WILTER WILTER WILTER WILTER WILTER WILTER WILTER WILTER WILTER WILTER WILTER WILTER WILTER WILTER WILTER WILTER WILTER WILTER WILTER WILTE
	RS2 limits (new) RS2 is a class 2 acoustic energy source that does not exceed the following: — for equipment provided as a package (player with its listening device), and with a proprietary connector between the player and its listening device, or where the combination of player and listening device is known by other means such as setting or automatic detection, the weekly sound exposure level, as described in EN 50332-3, shall be ≤ 80 dB when playing the fixed "programme"	UNLIER WHITE WALTER
	simulation noise" described in EN 50332-1. – for equipment provided with a standardized connector (for example, a 3,5 phone jack) that allows connection to a listening device for general use, the unweighted r.m.s. output level, integrated over one week, as described in EN50332-3, shall be ≤ 15 mV (analogue interface) or -30 dBFS (digital interface) when playing the fixed "programme simulation noise" described in EN 50332-1.	ALIEK WILIEK WILIEK JUNITEK WILIEK WILIEK WILIEK WILIEK WILIEK WILIEK WILIEK WILIEK WILIEK
~		
10.6.4	Requirements for maximum sound exposure	N/A



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21/2	EN IEC 62368-1				
Clause	Requirement + Test	Result - Remark	Verdict		
Mrs.	White the state of	White White Whi.	The Aug		
	All volume controls shall be turned to maximum	1 1	Let Let		
	during tests.	THE CHE WITH	mir mir.		
	Measurements shall be made in accordance with	the the the 2			
51 ⁶⁷⁴	EN 50332-1 or EN 50332-2 as applicable.	at at let .	TEL STEE 1		
10.6.4.2	Protection of persons	The Maria and Alla	N/A		
	Except as given below, protection requirements for	1 1 1 1	* 4* 3		
	parts accessible to ordinary persons, instructed	the still still spire	The The		
	persons and skilled persons are given in 4.3.	24, 24, 25	4 4		
		at let let	JE STE		
	NOTE 1 Volume control is not considered a	WITH MILL MILL	211		
	safeguard.	20, 2	A 15		
	Between RS2 and an ordinary person , the basic	Let Jet Jet o			
	safeguard may be replaced by an instructional	The The The M	3		
	safeguard in accordance with Clause F.5, except	L +	et let .		
	that the instructional safeguard shall be placed	THE STIES STIES WAS	in the		
	on the equipment, or on the packaging, or in the	the the			
	instruction manual.	e at alt all	- The The		
	Alternatively, the instructional safeguard may be	nuit inti unit	The The		
	given through the equipment display during use.	14, 14, 1	4 24		
	The alements of the imptometional automount shall	LET THE LIER	ALTE MILTE		
	The elements of the instructional safeguard shall be as follows:	me me me	7, 2,		
	be as follows.		LET LEX		
		Alt California	17. "ALT. "A		
	- element 1a: the symbol / IEC 60417-6044	2 20 20			
	(2011-01)		The state of		
	- element 2: "High sound pressure" or equivalent	LE CLIEB MELL MALL	ale all		
	wording – element 3: "Hearing damage risk" or equivalent	20, 2,	.4 .11		
	wording	Let Let Jer	ALTE MITTE		
	element 4: "Do not listen at high volume levels for	and with which	211.		
	long periods." or equivalent wording	4 6	at at		
		THE LITTER STILL S	MILL ONLY		
	An equipment safeguard shall prevent exposure	No. Mr. Mr. D.			
	of an ordinary person to an RS2 source without	1 1 1 1	CENT TENT		
	intentional physical action from the ordinary	THE PLIT ME WALL	- 11/2 21/2		
	person and shall automatically return to an output	10, 10			
	level not exceeding what is specified for an RS1	LET SET SE	E SIFE WILL		
	source when the power is switched off.	INLL WALL WALL	24.		
	The equipment shall provide a means to actively	1 1	at at		
	inform the user of the increased sound level when	TEX STEW SLITE	WILL WELL		
	the equipment is operated with an output	The Mr. Mr.	20.		
	exceeding RS1. Any means used shall be	1 1 1	THE THE		
	acknowledged by the user before activating a mode	LIET SLIFE MITE SI	in alle a		
	of operation which allows for an output exceeding	1. 24, 20, 20,			
	RS1. The acknowledgement does not need to be	at at at a	ET SET S		
	repeated more than once every 20 h of cumulative	The Maria Wall	2115 211		
	listening time.	20, 20	1- 1		
	NOTE 2 Everynless of masses in closely discoul	THE THE STATE	WITE WITE		
	NOTE 2 Examples of means include visual or	aler aler aler	21, 22,		
	audible signals. Action from the user is always	N. Committee of the com	1 1		



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EN IEC 62368-1				
Clause	Requirement + Test	Result - Remark	Verdict	
whitek whitek	needed. NOTE 3 The 20 h listening time is the accumulative listening time, independent of how often and how long the personal music player has been switched off. A skilled person shall not be unintentionally exposed to RS3.	Milet whilet whilet whi	NITER MILER	
10.6.5	Requirements for dose-based systems	The state of	N/A	
10.6.5.1	General requirements Personal music players shall give the warnings as provided below when tested according to EN 50332-3, using the limits from this clause. The manufacturer may offer optional settings to allow the users to modify when and how they wish to receive the notifications and warnings to promote a better user experience without defeating the safeguards. This allows the users to be informed in a method that best meets their physical capabilities and device usage needs. If such optional settings are offered, an administrator (for example, parental restrictions, business/educational administrators, etc.) shall be able to lock any optional settings into a specific configuration.	untic while	N/A LEET NATER NATER	
WHITEK WA	The personal music player shall be supplied with easy to understand explanation to the user of the dose management system, the risks involved, and how to use the system safely. The user shall be made aware that other sources may significantly contribute to their sound exposure, for example work, transportation, concerts, clubs, cinema, car races, etc.	White	White Whites	
	Dose-based warning and requirements When a dose of 100 % CSD is reached, and at least at every 100 % further increase of CSD, the device shall warn the user and require an acknowledgement. In case the user does not acknowledge, the output level shall automatically decrease to compliance with class RS1. The warning shall at least clearly indicate that listening above 100 % CSD leads to the risk of hearing damage or loss.	THE MILES WALTER WALTER	N/A N/A N/A	
10.6.5.3	Exposure-based requirements		N/A	
	With only dose-based requirements, cause and effect could be far separated in time, defying the purpose of educating users about safe listening practice. In addition to dose-based requirements, a PMP shall therefore also put a limit to the short-	White white white	white white	



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24	EN IEC 62368-1	in with which while	24. 24.
Clause	Requirement + Test	Result - Remark	Verdic
WILLER WE	term sound level a user can listen at. The exposure-based limiter (EL) shall automatically reduce the sound level not to exceed 100 dB(A) or 150 mV integrated over the past 180 s, based on methodology defined in EN 50332-3. The EL settling time (time from starting level reduction to reaching target output) shall be 10 s or faster. Test of EL functionality is conducted according to EN 50332-3, using the limits from this clause. For equipment provided as a package (player with its listening device), the level integrated over 180 s shall be 100 dB or lower. For equipment provided with a standardized connector, the unweighted level integrated over 180 s shall be no more than 150 mV for an analogue interface and no more than -10 dBFS for a digital interface.	ALTER WALTER WAL	JAN WINGER LIEK JANIEK JANIEK JANI
10.6.6	NOTE In case the source is known not to be music (or test signal), the EL may be disabled. Requirements for listening devices (headphones)	earnhones etc.)	N/A
20, 0		, earpriories, etc.)	37
10.6.6.1	Corded listening devices with analogue input With 94 dB LAeq acoustic pressure output of the listening device, and with the volume and sound settings in the listening device (for example, built-in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the input voltage of the listening device when playing the fixed "programme simulation noise" as described in EN 50332-1 shall be ≥ 75 mV.	THE WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER	MA N/A
ITEX MALT	NOTE The values of 94 dB and 75 mV correspond with 85 dB and 27 mV or 100 dB and 150 mV.	EK ITEK NITEK MITE	+ "11 TEX "
	Corded listening devices with digital input With any playing device playing the fixed "programme simulation noise" described in EN 50332-1, and with the volume and sound settings in the listening device (for example, built-in volume level control, additional sound features like equalization, etc.) set to the combination of positions that maximize the measured acoustic output, the LAeq, T acoustic output of the listening device shall be ≤ 100 dB with an input signal of -10 dBFS.	whitek whitek whitek willest whitek w	N/A
10.6.6.3	Cordless listening devices In cordless mode, – with any playing and transmitting device playing the fixed programme simulation noise described in	White Mure wherek	N/A



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				EN IEC	62368-1			
Clause	Re	equirement +	Test	with.	No. In	Result - Rema	ark	Verdic
whitek water	- which the control of the control o	here an air ir ir e equivalent with volume evice (for exadditional sounthe combinates acorogramme sirutput of the li	and terface stand acoustic level and sound se ample, built-in and features lik ation of positio ustic output fo mulation noise stening device I of -10 dBFS.	ard exists the control of the contro	receiving el control, on, etc.) set timize the mentioned <i>T</i> acoustic	NITER WHITER MITER WHITER MITER WHI	Whitek whitek whitek whitek whitek whitek whitek	JALIER JUNE
10.6.6.4	М	easurement leasurements N 50332-2 as	s shall be mad	le in accord	ance with	LIEK WALTER		N/A
3			to the whole	document			· · · · · · · · · · · · · · · · · · ·	Р
~ ,	D	elete all the	"country" note	s in the refe	rence docum	ent according	to the following	Р
	lis	st:	auri, aur.				et let i	et solife
	7	0.2.1	Note 1 and 2	1	Note 4 and 5	3.3.8.1	Note 2	100
	The file	3.3.8.3	Note 1	4.1.15	Note	4.7.3	Note 1 and 2	MALTE
	II d	5.2.2.2	Note	5.4.2.3.2.2 Table 12	Note c	5.4.2.3.2.4	Note 1 and 3	PATEK W
	,t	5.4.2.3.2.4	Note 2	5.4.2.5	Note 2	5.4.5.1	Note	et i
	-24	Table 13						ALL
	1525	5.4.10.2.1	Note	5.4.10.2.2	Note	5.4.10.2.3	Note	4 MITES
		5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3 and 4	RITER
	CEPK .	5.6.8	Note 2	5.7.6	Note	5.7.7.1	Note 1 and Note 2	TEX N
	1,1	8.5.4.2.3	Note	10.2.1 Table 39	Note 3 and 4 and 5	10.5.3	Note 2	EK WILT
		10.6.1	Note 3	F.3.3.6	Note 3	Y.4.1	Note	
	m,	Y.4.5	Note				, [MULL
	(11° t	10, 71	72.					LIEK
4	М	odification	to Clause 1					Р
1ek walik Walifek	N ar		use of certain equipment is			AND LEK MI	LIFEK WINLIFEK WIN	Р
5		odification						Р



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LE WINE	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
4.Z1	Add the following new subclause after 4.9:	See below.	P
WELL W	To protect against excessive current, short-circuits	TEX LITER OLIVE MILL	11/11/11

4.Z1	Add the following new subclause after 4.9:	See below.	P
AZI A WALIER WANIER WALIER WANIER WAN	To protect against excessive current, short-circuits and earth faults in circuits connected to an a.c. mains, protective devices shall be included either as integral parts of the equipment or as parts of the building installation, subject to the following, a), b) and c): a) except as detailed in b) and c), protective devices necessary to comply with the requirements of B.3.1 and B.4 shall be included as parts of the equipment; b) for components in series with the mains input to the equipment such as the supply cord, appliance coupler, r.f.i. filter and switch, short-circuit and earth fault protection may be provided by protective devices in the building installation; c) it is permitted for pluggable equipment type B or permanently connected equipment, to rely on dedicated overcurrent and short-circuit protection in the building installation, provided that the means of protection, e.g. fuses or circuit breakers, is fully specified in the installation instructions. If reliance is placed on protection in the building installation, the installation instructions shall so	See below. It would be a subject to the subject to	WALTER WA
et whitet	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. Modification to 5.4.2.3.2.4	ALTE METER WALTER WAS	N/A
-		N S S IN	
5.4.2.3.2.4	Add the following to the end of this subclause: The requirement for interconnection with external circuit is in addition given in EN 50491-3:2009.	No connection to external circuit.	N/A
7	Modification to 10.2.1		N/A
10.2.1	Add the following to c) and d) in table 39: For additional requirements, see 10.5.1.	No such radiation from the equipment.	N/A
 8	Modification to 10.5.1		N/A



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TOTOTOTO	140 VV 11 23D03203303D	. 65	1 age 33 01 00			A) AN
The While			EN IEC 62368-1			
Clause	Requirement + Test	STE.	MUTIL MIN MIN	Result - Remark	16t 16	Verdict

10.5.1	Add the following after the first paragraph:	No such radiation from the	N/A
	For RS 1 compliance is checked by measurement under the following conditions:	equipment.	"NUT."
	In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or pre-sets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made.	Whitek whitek whitek whitek whitek	united united united
	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.	LIER WHITER WHITE WHITE	AUTY W
	The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the apparatus.	White white white wh	ni. waite
	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.	Attek waitek waitek waitek	WALLEY OF
	For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level.	White white whitek	TEX MUT
MALTER	NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996.	STEEL MITEL MITEL WILL	er writer
9	Modification to G.7.1		Р
G.7.1	Add the following note: NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in Annex ZD.	TEX WILLEY WHITE WHITE	TEK WA
10	Modification to Bibliography		N/A



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TOTOTOTO IN	0 VV 11 23D03203303D	.0	age 50 01 00		
LE MULL			EN IEC 62368-1		
Clause	Requirement + Test	We a	Will My My	Result - Remark	Verdict

	Add the following notes for the standards indicated:	N/A	
	IEC 60130-9 NOTE Harmonized as EN 60130-9. IEC 60269-2 NOTE Harmonized as HD 60269-2. IEC 60309-1 NOTE Harmonized as EN 60309-1. IEC 60364 NOTE some parts harmonized in HD 384/HD 60364 series. IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4. IEC 60664-5 NOTE Harmonized as EN 60664-5. IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified). IEC 61508-1 NOTE Harmonized as EN 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 61643-1 NOTE Harmonized as EN 61658-2-6. IEC 61643-1 NOTE Harmonized as EN 61643-1. IEC 61643-311 NOTE Harmonized as EN 61643-311. IEC 61643-321 NOTE Harmonized as EN 61643-321.	MALIER WALLER	
t get	IEC 61643-331 NOTE Harmonized as EN 61643-331.	At s	
11 7D	ADDITION OF ANNEXES	P	
ZB 4.1.15	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN) Denmark, Finland, Norway and Sweden		
ALTER JUNITER JUNITE	To the end of the subclause the following is added: Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socketoutlet. The marking text in the applicable countries shall be as follows:		
	In Denmark : "Apparatets stikprop skal tilsluttes en stikkontakt med jord som giver forbindelse til stikproppens jord." In Finland : "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan" In Norway : "Apparatet må tilkoples jordet stikkontakt"	unity unite	
	In Sweden : "Apparaten skall anslutas till jordat uttag"	WALTE	



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The Muria.	me me me	EN IEC 62368-1	itek outer uniter whit	MULL MULL
Clause	Requirement + Test	MULL ME ON	Result - Remark	Verdict

Clause	rtequirement + rest	Result - Remark	Verdict
11/2 1	W AN A TEN STEE	NITE WILL WALL WA	1/1/2
4.7.3	United Kingdom To the end of the subclause the following is added:	White Muries Muries Murie	N/A
LIFE WALT	The torque test is performed using a socket-outlet complying with BS 1363, and the plug part shall be assessed to the relevant clauses of BS 1363. Also see Annex G.4.2 of this annex	TEX WALTEX WALTER WALTER	on the on
5.2.2.2	Denmark	No high touch current	N/A
	After the 2nd paragraph add the following:	measured.	EX LEX
Which w	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.	Whitek white white whi	WILEK W
5.4.11.1	Finland and Sweden	No such external circuits.	N/A
and Annex G	To the end of the subclause the following is added:	Et NITER WIFER WHITER	MA TEK WAL
	For separation of the telecommunication network from earth the following is applicable:	TEK STEK WITEK ON	LIE WILLEY
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	iter offer writer will	EX WALTER
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	and with the straight	WILTEX W
	one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	Julie Marie Maries	NI EX WALL
	If this insulation forms part of a semiconductor component (e.g. an optocoupler), there is no distance through insulation requirement for the insulation consisting of an insulating compound completely filling the casing, so that clearances and creepage distances do not exist, if the component passes the electric strength test in accordance with the compliance clause below and in addition	Whitek whitek whitek whitek	TEX WALTER
	• passes the tests and inspection criteria of 5.4.8 with an electric strength test of 1,5 kV multiplied by 1,6 (the electric strength test of 5.4.9 shall be performed using 1,5 kV),	Whitek whitek whitek wh	EX WHITE
	and the writer white white white	are any an an	TEX
	is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5 kV.	The write writer writer	ntiek onti
K WILLER	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	Whitek whitek whitek wh	TE WALTER



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	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
en.		White white whe	411.
	A capacitor classified Y3 according to EN 60384- 14:2005, may bridge this insulation under the following conditions:	NITER WHITER WHITER O	INLIER WIFE.
	the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3 testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;	TER WALTER WALTER WALTE	MULTER TEX
	the additional testing shall be performed on all the test specimens as described in EN 60384- 14;	MALIER MALIE MALIE	WALL WALLER W
	the impulse test of 2,5 kV is to be performed before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14.	et wites writes whi	EK JULIEK JULI
5.5.2.1	Norway	L 14 18	N/A
	After the 3rd paragraph the following is added:	White White White	Mrs. Mrs.
	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	MILIER WHITEK WHITEK	UNITER WILLER
5.5.6	Finland, Norway and Sweden	Et TER	N/A
	To the end of the subclause the following is added:	2 24 24	21 2
	Resistors used as basic safeguard or bridging basic insulation in class I pluggable equipment type A shall comply with G.10.1 and the test of G.10.2.	MULTER WILLIEM STEEK	White anites
5.6.1	Denmark	Mr. Mr. M.	Р
ineite vineit itek vineit ik vineitek	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.	SEE WALTER WALTER WASTE	nties ites
5.6.4.2.1	Ireland and United Kingdom After the indent for pluggable equipment type A, the following is added: - the protective current rating is taken to be 13 A, this being the largest rating of fuse used in the mains plug.	unite while while we	N/A



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TOTOTOTO	No W11 23D03203303D	100	1 age 39 01 00			
The While			EN IEC 62368-1			
Clause	Requirement + Test	UE (MUCE WAS AN	Result - Remark	Alt All	Verdict

apr.	all the state of	WILL WELL WELL MAN MINE	
5.6.4.2.1	France	The state of the s)
	After the indent for pluggable equipment type A , the following is added:	ALTER WALTER WALTER WALTER WALTER	
LIFER WALL	 in certain cases, the protective current rating of the circuit supplied from the mains is taken as 20 A instead of 16 A. 	TEX WALTER WALTER WALTER	'مان
5.6.5.1	To the second paragraph the following is added:	N/	Α
whitek	The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is: 1,25 mm² to 1,5 mm² in cross-sectional area.	white miles whites whites white	EX
5.6.8	Norway	N/	Α
uner winere	To the end of the subclause the following is added: Equipment connected with an earthed mains plug is classified as class I equipment . See the Norway marking requirement in 4.1.15. The symbol IEC 60417-6092, as specified in F.3.6.2, is accepted.	EX WHITE WHITEX WHITEX WHITEX	الان تامار با
5.7.6	Denmark	N/	Α
	To the end of the subclause the following is added:	whi who who we will be	
	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.	Inter White White White White White	
5.7.6.2	Denmark	N/	Α
	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.	White Milit Milies Willes	
5.7.7.1	Norway and Sweden	Not such system. N/	Ά
	To the end of the subclause the following is added: The screen of the television distribution system is normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building. Therefore the protective earthing of the building installation needs to be isolated from the screen of a cable distribution system.	AND WILEY WALTER WALTER WALTER WALTER	
	It is however accepted to provide the insulation external to the equipment by an adapter or an interconnection cable with galvanic isolator, which may be provided by a retailer, for example.	united whited whited white	
	The user manual shall then have the following or similar information in Norwegian and Swedish language respectively, depending on in what country the equipment is intended to be used in:	I WALLER WALLER WALLER WALLER	
WINLIEK.	"Apparatus connected to the protective earthing of the building installation through the mains connection or through other apparatus with a	WHITEK WHITEK WHITEK WHITE WHI	



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	EN IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
ale .	and the the the	CITE OF STATE	14.
untiek wat tiek wat ek watek	connection to protective earthing – and to a television distribution system using coaxia 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)"	white white white white	tiek mitek
	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 1,8 kV r.m.s., 50 Hz or 60 Hz, for 1 min.		NITER WALTER
	Translation to Norwegian (the Swedish text will also be accepted in Norway):	o by white write white	MULIEK MU
	"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."	E Whitek whitek whitek w	WHITE WHITE WHITE WHITE TEX
	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 fal medföra risk för brand. För att undvika detta skall vid anslutning av apparaten till kabel-TV nät galvanisk isolator finnas mellan apparaten och kabel-TV nätet."	The Little William	MILE ANTE
8.5.4.2.3	United Kingdom	No external circuits.	N/A
	Add the following after the 2 nd dash bullet in 3 rd paragraph: An emergency stop system complying with the requirements of IEC 60204-1 and ISO 13850 is required where there is a risk of personal injury.	on the street outstanding	ANY TER ANY



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Reference	NO W 1 F23D09203303D	EN IEC 62368-1	iek altek outek	INITEK WI	J. GIRL
Clause	Requirement + Test	EF MUTTE, MUT, MUT	Result - Remark	alt de	Verdict

2/6	I TO THE THE	WITE WITE WALL MALL	an.
B.3.1 and	Ireland and United Kingdom	7, 7	Р
B.4	The following is applicable:	TEX STEE STEEL SHIPE	Mills W
		Ve My My M	
JEE STE	To protect against excessive currents and short-	at at the state.	LIE OLI
	circuits in the primary circuit of direct plug-in equipment , tests according to Annexes B.3.1 and	the along which were all	20
at at	B.4 shall be conducted using an external miniature		J 18
and the	circuit breaker complying with EN 60898-1, Type B,	t lifek alifer mile and	Why.
7	rated 32A. If the equipment does not pass these	me m. n.	
- TEN	tests, suitable protective devices shall be included	Let Let Jet Jet	LIE
21/2 21	as an integral part of the direct plug-in	WILL MULL MULL MULL	20, .
	equipment , until the requirements of Annexes B.3.1 and B.4 are met	or the state of	164
G.4.2	Denmark	Direct plug in type	N/A
	To the end of the subclause the following is added:	Direct plag in type	, t
THE RULE	To the end of the substance the following is added.	at left left lifet of	TEN INLI
-21	Supply cords of single phase appliances having a	with my my	-0.
the Tele	rated current not exceeding 13 A shall be provided	4 1 1 1	+ (16th
White !	with a plug according to DS 60884-2-D1:2011.	NITER INLIE WALL WALL	me
1	CLASS I EQUIPMENT provided with socket-outlets	141 121	,+
	with earth contacts or which are intended to be	TEX TEX STEEL STEEL	21/2/2/201
	used in locations where protection against indirect	ner mer me m	200
TEX IT	contact is required according to the wiring rules	at the	JEN 21
Vr. Mer	shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	White Mary M	211
* *	Standard Sheet Div 2-1a of Div 2-3a.	3 3 4 4	et el
ite april	If a single-phase equipment having a RATED	The street of the	MULL
	CURRENT exceeding 13 A or if a polyphase	The the the	
	equipment is provided with a supply cord with a	IN THE TEXT OF THE	LITER
	plug, this plug shall be in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN	WILL WILL MULL MALL	20.
15	60309-2.	The state of the s	164
	Mr. M. M. Ch.	THE STEE WITE WALL	11/1/2 21
	Mains socket outlets intended for providing power	24 24 25	٠.
	to Class II apparatus with a rated current of 2,5 A shall be in accordance DS 60884-2-D1:2011	ex fex tex tex .	I'E' WI
	standard sheet DKA 1-4a.	in with any and any	100
	THE LIFE WILL WELL MY ME IN	at the fift of	
	Other current rating socket outlets shall be in	NITE WILL WALL	all
	compliance with Standard Sheet DKA 1-3a	211, 21,	. J+
	or DKA 1-1c.	THE THE LIER WITE	MALTE
	Mains socket-outlets with earth shall be in	me me me in	
	compliance with DS 60884-2-D1:2011	A ST ST SET	LIE .
	Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-	Liter Mile While While a	120
A	5a or DK 1-7a	30	J+ 1
The Wille	Justification:	It THE STEET NATE ON	WALL
7.	Heavy Current Regulations, Section 6c	Mr. Mr. M. M.	
	The state of the s	1 1 2	- 10



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TCICICIOC	140 VV11 20D0020000D	1000	1 agc 02 01 00			A) AN
Will William			EN IEC 62368-1			
Clause	Requirement + Test	UE 1	Write Mr. M.	Result - Remark	alt All	Verdict

G.4.2	United Kingdom	N/A
	To the end of the subclause the following is added:	Life WALL MALL
TEK WAI	The plug part of direct plug-in equipment shall be assessed to BS 1363: Part 1, 12.1, 12.2, 12.3, 12.9, 12.11, 12.12, 12.13, 12.16, and 12.17, except that the test of 12.17 is performed at not less than 125 °C. Where the metal earth pin is replaced by an Insulated Shutter Opening Device (ISOD), the requirements of clauses 22.2 and 23 also apply.	EX WHITEK WHITEK WHITE
3.7.1	United Kingdom	N/A
	To the first paragraph the following is added:	IN THE TEXT
	Equipment which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to BS 1363 by means of that flexible cable or cord shall be fitted with a 'standard plug' in accordance with the Plugs and Sockets etc. (Safety) Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted by those regulations.	Whitek whitek white
	NOTE "Standard plug" is defined in SI 1768:1994	ver aur au
	and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	EK WITTER WITTER W
3.7.1	Ireland	N/A
	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	whitek whitek whitek
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	which is equivalent to the relevant Irish Standard	the same of the same
G.7.2	Ireland and United Kingdom	N/A
	To the first paragraph the following is added: A power supply cord with a conductor of 1,25 mm ² is allowed for equipment which is rated over 10 A and up to and including 13 A.	WHITE WHITE WHITE
ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)	N/A



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Reference	NO.: W1F23D09203303D	EN IEC 62368-1	EK ITEK ALTEK	الالمالية	NATE OF THE PARTY
Clause	Requirement + Test	WALLE MALL WALL	Result - Remark	et de	Verdict

10.5.2	Germany	No CRT within the equipment.	N/A
	The following requirement applies:	NITER INITER WALTER WALTER	int.
	For the operation of any cathode ray tube intended for the display of visual images operating at an acceleration voltage exceeding 40 kV, authorization is required, or application of type approval (Bauartzulassung) and marking.	TEK WRITER WRITER WRITER W	LTEX WI
	Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM.	MULTER MULTER MULTER MULTER	WILLEK MLTEK
	NOTE Contact address: Physikalisch-Technische Bundesanstalt, Bundesallee 100, D-38116 Braunschweig, Tel.: Int+49-531-592-6320, Internet: http://www.ptb.de	EX WHITEX WHITEX WHITEX	TEK WAI

ZD	IEC and CENELEC CODE DESIGNATIONS FOR FLEXIBLE CORDS (EN)	in P iii
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IL WILL		EN IEC 62368-1		
Clause	Requirement + Test	The Marie Mr. Com	Result - Remark	Verdict

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



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I VEIGI GIICG IV	0 VV 11 Z3D09Z03303D	r age 03 01 00		10 10
LE MULL		EN IEC 62368-1		
Clause	Requirement + Test	VILLE MULL MULL MULL	Result - Remark	Verdict

5.2 T	ABLE: Classification	on of electrical e	nergy sourc	es		- TEX	P
Supply	Location (e.g.	Test conditions	Parameters				ES
Voltage	circuit designation)		U (V)	I (mA)	Type ¹⁾	Additional Info ²⁾	Class
264Vac	Output + to -	Normal	12.36Vdc	At The	SS	DC	ES1
(Loading: 12Vdc, 1.67A)	X WALTER WALTER	Abnormal (Overload)	12.36Vdc	t step on	SS	DC	ES1
	MULTER MULTER W	Single fault (see table B.3, B.4)	et outlet	Mure Autre	SS	DC	ES1
264Vac (Loading: 9Vdc, 2.22A)	Normal	9.03Vdc	TEN - LIER	SS	DC	ES1	
	TEK WALTER WALTER	Abnormal (Overload)	9.03Vdc	Et ALTER M	SS	DC DC	ES1
	whitek whitek	Single fault (see table B.3, B.4)	TEL WILLER	whitek whi	SS	DC	ES1
264Vac	Output + to -	Normal	5.05Vdc		SS	DC	ES1
(Loading: 5Vdc, 3A)		Abnormal (Overload)	5.05Vdc	LIE MATE	SS	DC DC	ES1
	Whitek white	Single fault (see table B.3, B.4)	on o	y while wh	SS	DC	ES1
264Vac	Output +/- to	Normal	Et -UTER	0.200mApk	SS	60	ES1
	earth	Abnormal (Overload)	CLIER N	0.200mApk	SS-	60 mi	ES1
		Single fault (see table B.3, B.4)	anires ani	0.200mApk	SS	60	ES1
264Va.c	Plastic enclosure	Normal	LIER -NITE	0.020mApk	SS	60	ES1
	with metal foil to earth	Abnormal (Overload)	ek -	0.020mApk	SS	ant 60 an	ES1
		Single fault (see table B.3, B.4)	MUTER W	0.020mApk	SS	60	ES1



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1 1010101100	110:: 1711 202002000	1 age 00 01 00		200	14 X X
The WALL		EN IEC 62368-1			
Clause	Requirement + Test	in will my my	Result - Remark	alt all	Verdict

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

5.4.1.8	TABLE: Working	ng voltage measu	rement		Pol
Location		RMS voltage (V)	Peak voltage (V)	Frequency (Hz)	Comments
Loading: 12	Vdc, 1.67A	LIE WALL WAL	24, 24,	, 4	at at let set
T1 Pin 1-6	74, 4	224	432	60.98kHz	in me me m
T1 Pin 2-6	EK UNLTER WINLT	221	376	60.98kHz	- TEK TEK KITEK
T1 Pin 3-6	at at	256	528	60.98kHz	The Max. Vpeak
T1 Pin 5-6	MULL MULL	206	360	60.98kHz	-Life mile while we
T1 Pin 1-7	TEN TEN	229	472	60.98kHz	
T1 Pin 2-7	hi m n	221	329	60.98kHz	The wife with min
T1 Pin 3-7	JEH OLIEK JOL	268	512	60.98kHz	The Max. Vr.m.s
T1 Pin 5-7		208	360	60.98kHz	- mr mr m
U1 Pin 1-3	ni ni	217	360		- LIER SLIER MATERIA
U1 Pin 1-4		217	360	3	70, 70, 2,
U1 Pin 2-3	un un	217	360	JE - JE	WILL MILL MALLE MA
U1 Pin 2-4	TEX TEX	217	360	2,-	-
0111112	S	211	368	× 1162 0	2 th with with with

Frequency: 60Hz

5.4.1.10.2 TABLE: Vicat sof	tening temperature of thermo	plastics	N/A
Method		.: ISO 306 / B50	711 - 11
Object/ Part No./Material	Manufacturer/trademark	Thickness (mm)	T softening (°C)
-TEK TEK STEK KUTEK	WILLE MUL - MUL MIL	211 - 7	J+ JH- JH
Supplementary information:			
TEX STEE SLIFE SALTE SA	VII. Mr. M. M.	* * *	et set set s

5.4.1.10.3	TABLE: Ball pressure test of thermoplastics	- let tet tet stet ste	P
Allowed imp	pression diameter (mm):	≤ 2 mm	_



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TOTOTOTO IN	J WII 25D09205505D	10	age or or oo		
LE MULL			EN IEC 62368-1		
Clause	Requirement + Test	I The I	Will My My	Result - Remark	Verdict

			100	10.
Object/Part No./Material	Manufacturer/trademark	Thickness (mm)	Test temperature (°C)	Impression diameter (mm)
Plug holder	LEEK INLIEF WHITE WHILE	1.5mm*2	125	1.8
Supplementary information	on:			

The bobbin material of transformer (T1) is phenolic, no test is needed.

5.4.2, 5.4.3 TABLE: Minimum (Clearan	ces/Cre	eepage o	listance	.+	ret a	Et JEt	P
Clearance (cl) and creepage distance (cr) at/of/between:	Up	U _{rms}	Freq 1)	Required cl (mm)	cl	E.S. ²⁾ (V)	Required	cr
	(V)	(V)	(kHz)	Ci (iiiiii)	(mm)	(•)	cr (mm)	(mm)
Basic/supplementary:								
L, N trace before fuse (BI)	420	250	0.06	1.5	8.0	CLIFE .	2.5	8.0
PCB trace between two pins of F1 (BI)	420	250	0.06	1.5	2.8	STEP ON	2.5	2.8
Reinforce:	NITER.	MITE	ane.	11/2 1	10. 10		.L .X	, Et
Primary circuit to enclosure (RI)	420	250	0.06	3.0	>10	ET WILL	5.0	>10
Primary circuit to secondary circuit (PCB under CY1) (RI)	420	250	0.06	3.0	7.6	JULI EX	5.0	7.6
Primary circuit to secondary circuit (PCB under U1) (RI)	420	250	0.06	3.0	5.1		5.0	5.1
Primary circuit to secondary circuit (PCB under T1) (RI)	528	268	60.98	3.0	7.2	TEX-	5.4	7.2
Primary winding to secondary winding (T1) (RI)	528	268	60.98	3.0	6.0	y TEV	5.4	6.0
Core to secondary winding (T1) (RI)	528	268	60.98	3.0	6.8	NITE !	5.4	6.8
Primary winding of T1 to secondary USB-C board(RI)	528	268	60.98	3.0	3.9	TER .	5.4	8.0

Supplementary information:

- 1) Only for frequency above 30 kHz
- 2) Complete Electric Strength voltage (E.S. (V) when 5.4.2.4 applied)
- 3) Material Group: Illa/IIIb;
- 4) BI: basic insulation; SI: supplementary insulation; DI: double insulation; RI: reinforced insulation.
- 5) The transformer core considered as primary circuit.

5.4.4.2	TABLE: Minimun	n distance through insu	lation	at at	P. P.
Distance through insulation		Peak voltage (V)	Insulation*	Required DTI	Measured DTI



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The William			EN IEC 62368-1		
Clause	Requirement + Test	I The I	Will My My	Result - Remark	Verdict

(DTI) at/of			(mm)	(mm)
Plastic enclosure	528	See appended table 4.1.2	0.4	1)
Bobbin of T1	528	See appended table 4.1.2	0.4	W(1) W(
Optocoupler	528	See appended table 4.1.2	0.4	1) 11

1): See appended table 4.1.2.

Insulation material	E _P	Frequency (kHz)	K R	Thickness d (mm)	Insulation	V _{PW} (Vpk)
Enclosure	" - "	60.98	0.35	Min. 1.7	Reinforced	528
Bobbin of T1	17	60.98	0.71	Min. 0.78	Reinforced	528
Insulation tape	55	60.98	0.46	Min. 2 layers	Reinforced	528
Supplementary information	on:	24		1	1 XV	

5.4.9	TABLE: Electric strength te	sts		PET DE
Test volta	ge applied between:	Voltage shape (Surge, Impulse, AC, DC, etc.)	Test voltage (V)	Breakdown Yes / No
Basic/sup	plementary:	a at at	THE LIES NOT	INLIE WA
L to N (dis	sconnect fuse)	DC VI V	2500	No
Insulation	sheet	DC DC	2500	No
Reinforce	d: Tex Tier Stier Willer	Mer Mer My M	* * *	LET JEX
Primary to	secondary	DC DC	4000	No
Primary to	enclosure with metal foil	DC	4000	No
T1: prima	ry to secondary winding	DC DC	4000	No
T1: core to	o secondary winding	DC	4000	No No
One layer	insulation tape	THE DC	4000	No
Suppleme	entary information:			



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The MULL.			EN IEC 62368-1			
Clause	Requirement + Test	Lite W	MET WILL ON	Result - Remark	et de	Verdict

Core of transformer T1 was considered as primary.

Tests were performed on product with each source listed in table 4.1.2.

5.5.2.2	TABLE:	Stored discharge of	n capacitors			N/A
Location		Supply voltage (V)	Operating and fault condition 1)	Switch position	Measured voltage (Vpk)	ES Class
White M	Tr. Mr.	n n	A THE CO	y July mil	IN JULIE WA	III WALL
Supplemen	tary inforr	nation:				
X-capacitor	s installed	d for testing:	i it it	TER SITE	WILL WILL	and an
[] blee	ding resis	tor rating:				
[] ICX:						
1) Normal of	perating co	ondition (e.g., normal o	peration, or open fuse)	, SC= short circuit	, OC= open circu	uit 🙏

5.6.6	5.6.6 TABLE: Resistance of protective conductors and terminations				
Location		Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)
ter and		- 18	JEH - AL	MAIL WAL	mr. m
et se				THE THE	CIENT STE
Suppleme	ntary information:				
TEN	ALTER WALTE WALL V	No. 10 10	1 4 1	Let Tex	CIEN LIE

5.7.4 TABLI	E: Unearthed acce	ssible parts	the set	TEN TEN	CTEX	P
Location	Operating and	Supply	Parameters			ES
	fault conditions	nditions Voltage (V)	Voltage (V _{rms} or V _{pk})	Current (A _{rms} or A _{pk})	Freq. (Hz)	class
Output +/- to earth	Normal	264Va.c, 60Hz	1 TH .	0.200mApk	60	ES1
	Abnormal (Overload)		t with the	0.200mApk	60	ES1
NITER WHITE WHITE	Single fault (see table B.3, B.4)	White whitek	0.200mApk	60	ES1	
Plastic enclosure	Normal	264Va.c,	at the	0.020mApk	60	ES1
with metal foil to earth	Abnormal (Overload)	60Hz	T NOT W	0.020mApk	60	ES1
70, 70	Single fault	INLIER WAL	MULL MUC	0.020mApk	60	ES1



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1010101100		2020020002	. age				- 1	
in which			EN IEC 6	2368-1				
Clause	Require	ment + Test	in with M	2 11	Result	- Remark	y .(i)	Verdict
alle	24 24			Et JE	, Lite	JALTE WALL	21/2	411.
MALIEK W		(see table B.3, B.4)	MUTTE MU	ZAL.	SD TEX	TIEK WIFEK	MALTEX	UNLIEK U
Supplem	entary infor	mation:						
SC= sho	rt circuit; O	C= open circuit		LEX.	CERT C	LIER OLIVE S	NITE WIT	in all

5.7.5	TABLE: Earthed access	sible conductive part			
Supply vo	oltage (V)	Murity May My	74 24	Alt All	_
Phase(s)	·	[] Single Phase; [] Three	Phase: [] Delta	[] Wye	
Power Di	stribution System:	[]TN []TT []IT			
Location		Fault Condition No in IEC 60990 clause 6.2.2	Touch current (mA)	Comment	
- 4	at at at	TEX STEEL -MILE WALL	mr - m	20, 20,	4 1
- WILLE	MULL MULL MULL MI	- At 16t	JEY- NIEH	MITER MAI	MULT
Suppleme	entary Information:				
10 C	in the the	it it	THE LIE	WILL WILL	ales.

5.8	5.8 TABLE: Backfeed safeguard in battery backed up supplies						N/A
Location		Supply voltage (V)	Operating and fault condition	Time (s)	Open-circuit voltage (V)	Touch current (A)	ES Class
<u>TE</u>	JEH N	TEX -ULTER	While and	ź <u>π</u> ,	~ - ×	20° 4	EK -JEK
Supplementary information:							
All Control	SER LIS	IN THE W	VII. All All	20	4 1	et et	JEN -

6.2.2 TAB	LE: Power source	circuit classific	ations		TEK TEK	UE P
Location	Operating and fault condition	Voltage (V)	Current (A)	Max. Power ¹⁾ (W)	Time (S)	PS class
Input: 264Vac, 60Hz; Output (Loading: 12Vdc, 1.67A)	Normal	12.16	2.02	24.56	5	PS2
	Abnormal operation	12.16	2.02	24.56	WELL 2 WILL	PS2
	Single Fault (Component SC)	unit 0	whit o white	ur0 w	at soliteit	PS1
Input: 264Vac,	Normal	8.99	2.71	24.36	5	PS2
60Hz;	Abnormal	8.99	2.71	24.36	west on	PS2



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1 (010101100	110:: 1711 20800200008	1 ago 7 1 01 00		
The White		EN IEC 62368-1		
Clause	Requirement + Test	The Will All My	Result - Remark	Verdict

Output (Loading:	operation	ier writer in	2/12/2	2,		L LET
9Vdc, 2.22A)	Single Fault (Component SC)	O WALLE	on of mi	0	ner agree	PS1
Input: 264Vac,	Normal	4.78	4.37	20.89	5	PS2
60Hz; Output (Loading: 5Vdc, 3A)	Abnormal operation	4.78	4.37	20.89	, 5 , m	PS2
white white	Single Fault (Component SC)	at until un	The other	0	unit 3 unit	PS1

Supplementary information:

Abbreviation: SC= short circuit; OC= open circuit

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

6.2.3.1	TABLE: Determi	nation of Arcing PIS	the man man	211 211	P
Location		Open circuit voltage after 3 s (Vpk)	Measured r.m.s current (A)	Calculated value	Arcing PIS? Yes / No
See below		A VIII	iter Alt	Canada uni	mr. mr

Supplementary information:

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

6.2.3.2	TABLE: Determ	ination of res	istive PIS	24 2 x	P-
Location		Operating ar	nd fault condition	Dissipate power (W)	Arcing PIS? Yes / No
in mi	2/1 2/1	. t t	TEX STEX 10	LIER WALTER WALTER WALTER	me- m
Supplemer	ntary information:				
Abbreviatio	n: SC= short circuit; (DC= open circuit	TER NITE INT	MULL MILL MILL	20, 20,

8.5.5 TABLE:	High pressure lamp			N/A
Lamp manufacturer	Lamp type	Explosion method	Longest axis of glass particle (mm)	Particle found beyond 1 m Yes / No
nu m	N THE THE	- TEK MITER WIT	MULL MULL	mr - m
Supplementary inform	nation:	•		



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TOTOTOTO	110 VV 11 20D00200000D	1 agc 72 01 00	4 4		
The Murre		EN IEC 62368-1			
Clause	Requirement + Test	in anti an an	Result - Remark	et e	Verdict

9.6 TABL	E: Temperature measurements for wireless power transmitters							N/A
Supply voltage (V)	: NAL	MULTER AND				_		
Max. transmit power	er of transm	nitter (W)	:	. CLIER	NALTEK NA	LIEL WALK	MULTI	_
	w/o receiver and direct contact		with receiver and direct contact		with receiver and at distance of 2 mm		with receiver and at distance of 5 mm	
Foreign objects	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)	Object (°C)	Ambient (°C)
THE TIEF OF	SEE WILLE	un'il' u	16 _{17.} 2 ₁₁	-40		, JE .	er - Jer	- LIAN I
Supplementary info	rmation:							
TER LIE MIT	ALC: Y	are an			عاد	at at	- All	JEN NI

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TOTOTOTO	140 W 11 20D00200000D	1 ago 70 01 00			10
Will Willy		EN IEC 62368-1			
Clause	Requirement + Test	THE MULT WATER	Result - Remark	All All	Verdict

5.4.1.4,	TABLE: Temperature measurement	ents	211. 20,		nt de	P
9.3, B.1.5,	who will be the					MUL
B.2.6	A WILL MULLE MULL AND					CLIEK W
Supply vo	Itage (V)	90V 60Hz	90V 60Hz	264V 50Hz	264V 50Hz	
:		Et WITE	White of	ir, Mur.	21/2 2	
Ambient to	emperature during test <i>T</i> _{amb} (°C)	See below	See below	See below	See below	_
Maximum	measured temperature <i>T</i> of part/at:		T (°	°C)	- A	Allowed T _{max} (°C)
Loading: 5	SVdc, 3A	Horizonta I	Vertical	Horizonta I	Vertical	
Pin holder	There we are any	39.7	41.1	41.1	42.2	Ref.
CE4	ITEK SITEK NITEK MITEK MALI	86.9	89.5	89.5	77.8	105
T1 coil	The state of the	96.0	97.3	97.3	91.4	110
T1 core	ti di gii i di	93.8	95.1	95.1	90.1	110
PCB near	T1 / // //	93.8	94.7	94.7	89.1	130
CY1	m n	79.4	81.3	81.3	74.0	125
U1	TEX TEX STEE STEEL STEEL AND	85.8	86.9	86.9	79.4	100
PCB near	U3	108.6	108.0	108.0	105.7	130
Enclosure	inside near T1 top	65.2	68.6	68.6	62.8	Ref.
Ambient	a state of the	35.0	35.0	35.0	35.0	1/1, 1
Enclosure	outside near T1 top	55.0	t ct	50.6	34 1-1614	77
Enclosure	outside near T1 bottom	53.9	m _r	48.6	1,,	77
Ambient	MULL MULL AND AND	25.0	25.0	25.0	25.0	The Walter
Loading: 1	2Vdc, 1.67A	Horizonta I	Vertical	Horizonta I	Vertical	MULLER
Pin holder	Pin holder		45.8	42.0	43.6	Ref.
CE4	CE4		102.7	80.7	84.5	105
T1 coil		108.5	107.3	94.0	95.0	110
T1 core	Γ1 core		106.3	93.2	94.9	110
PCB near	T1: mill while when we	101.8	100.5	88.6	89.0	130
CY1	A SH SH SH SH	87.2	87.6	73.9	75.4	125



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			EI	N IEC 62368	3-1			
Clause	Requirement +	Test	ITE WILL	in Miles	Res	ult - Remarl	· At	Verdict
alex.	21, 20, 1		يد د		JEF N	The Mark	are ar	5 M
U1			MALTE	94.6	94.4	79.8	81.0	100
PCB near	U3	L /+	, Eth	107.5	104.3	99.3	98.2	130
Enclosure inside near T1 top				75.9	80.7	63.9	68.9	Ref.
Ambient				35.0	35.0	35.0	35.0	"
Enclosure	outside near T1 t	ор	10	- 4	61.3	JEH - 17	56.8	77
Enclosure	outside near T1 b	ottom	CENT OF LIVE	140L	58.8	70,	50.3	77
Ambient	West Alexander	2,		711	25.0	EK METER	25.0	in we
Temperatu	ıre T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	R ₂ (Ω)	T (°C)	Allowed T _{max} (°C)	Insulation class
Tet Je	K STEK MITE	. on TE.	min V	241 -741.	70.		- 10th	CIENT NO
Supplemen	otany information:		•					

Supplementary information:

Temperature limit for TS1 of accessible enclosure according to Table 38.

Note 1: The apparatus was submitted and evaluated for maximum manufacturer's recommended ambient (Tma) of 35°C.

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

Note 3. Temperature limits are calculated as follows: Winding components providing safety isolation:

Class B → Tmax = 120 - 10=110°C

B.2.5	<u>+</u> ا	ABLE: Inp	out test					the state of F
U (V)	Hz	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status
Loading	g: 12Vd	lc, 1.67A		L Alt	TEL	SLITER I	LIER MY	The Wall Mar Mar
90	50	0.441	LIE TOPLIE	23.93	2/1 - 2	F1	0.441	Rated output load.
100	50	0.388	0.5	23.59	UTE NO	F1	0.388	MUT, MUT, MIN,
240	50	0.216	0.5	23.08	Z	F1	0.216	LIEK WIFEK WIFEK W
264	50	0.206	St.	23.19	2000	F1	0.206	n n v
90	60	0.436	1112 - 11	23.84	·c+	F1	0.436	LIER WALTER WALTER WALT
100	60	0.393	0.5	23.59	21/2	F1	0.393	a at at let
240	60	0.225	0.5	23.11	NITE .	F1	0.225	MULL MULL MULL
264	60	0.215	in Antic	23.19	, - c,	F1	0.215	Let Jet Jet
Loading	g: 9Vdc	, 2.22A	t set	ALTEK JI	LIER WAL	WILL	MULL	Mr. Mr. M.
90	50	0.444	1115	23.93		F1	0.444	Rated output load.



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				El	N IEC 623	368-1			
Clause	<i>*</i>	Requiremen	t + Test	mitet uni	100	70	Result - F	Remark	Verdic
ale.	7,1	70.		- X	L (1)	- 115	NICHT .	Will MUT MUT	An.
100	50	0.391	0.5	23.57	277	∜F1	0.391	OF THE THE	
240	50	0.218	0.5	23.01	18th	F1	0.218	in min min.	
264	50	0.208	rie Auri	23.10	mr	F1	0.208	t TEX TEX	
90	60	0.438	* - Et	23.86	17 18 18 18 18 18 18 18 18 18 18 18 18 18	F1	0.438	Alur Aller An	
100	60	0.395	0.5	23.54		F1	0.395	ALTER MLTER WALT	
240	60	0.228	0.5	23.04	21/17	F1	0.228	711 72 72	
264	60	0.216	4, - 4	23.11	11	F1	0.216	LITER MALTER WALTER	
Loadin	g: 5V	dc, 3A	NLTER SINL	MILL	m	an.	211	at at all	TEX
90	50	0.335	J	18.17	alifeth.	F1	0.335	Rated output load.	15 1
100	50	0.304	0.5	17.97	 2), 2	F1	0.304	THE STATE OF	
240	50	0.178	0.5	17.72	7 EF NY	F1	0.178	mer mer m	
264	50	0.170	un_	17.82	, - ,è	F1	0.170	NITER INLIER WHITE	
90	60	0.339	LIEN C	18.16	41/02	√F1	0.339		
100	60	0.311	0.5	17.96	3 Et	F1	0.311	LIER WALTE WALTER	
240	60	0.186	0.5	17.72	7	F1	0.186	The st	
264	60	0.178		17.80	J. (1)	√ F1	0.178	MULL MULL M	

Supplementary information:

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

B.3, B.4	TABLE: Abr	normal operatin	g and fau	It condit	ion t	ests	20, 20, 20	Р
Ambient ter	mperature T _{amb}	(°C)		.;	:	See be	elow	_
Power sour	ce for EUT: Ma	anufacturer, mod	el/type, o	utputratin	g:	- 4,	at at at	_
Compone No.	nt Conditio	n Supply voltage (V)	Test time	Fuse no.	1	Fuse rent (A)	Observation	
Loading: 12	2Vdc, 1.67A	- L A	TEX	NIET 1	LIET	MALTE	Wer Mer Mer	-24,
Output (12Vdc, 1.67A)	O-L	264	1h 39min	F1 WALLER WALLER		0.235	Output Overload curre 1.97, over 1.98A, unit down, no damage, no Touch voltage (+ to -): Touch current ("+/-" to 0.2mApk. T1 coil: 92.6°C T1 core: 92.2°C Enclosure Outside nea 60.0°C	shut hazard. 12V. earth):



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Will Miles	Mur Mur Mur A	EN IEC 62368-1	TEX OUTER MOLIE	WALTER WAL	Aller
Clause	Requirement + Test	in any and	Result - Remark	at All	Verdict

		* Let	State of	: 11 (1)	7/1/2	Ambient: 25.0°C
Output (5Vdc, 3A)	O-L	264	1h 22min	F F1 LTS WALTER WALTER WALTER WALTER WALTER	0.211	Output Overload current is 4.2A, over 4.3A, unit shut down, no damage, no hazard. Touch voltage (+ to -): 5V. Touch current ("+/-" to earth): 0.2mApk. T1 coil: 111.3°C T1 core: 108.7°C Enclosure Outside near T1: 69.0°C Ambient: 25.0°C
BD1	S-C	264	1s	F1	nifet-wi	Fuse F1 opened immediately, no hazard. Touch voltage ("+" to "-"): 0V; Touch current ("+/-" to earth): 0.20mApk.
CE3	S-C	264	1s	F1	t TEX	Fuse F1 opened immediately, no hazard. Touch voltage ("+" to "-"): 0V; Touch current ("+/-" to earth): 0.20mApk.
U2 pin 1-2	S-C	264	1s	F1	HITE WILL	Fuse F1 opened immediately, no hazard. Touch voltage ("+" to "-"): 0V; Touch current ("+/-" to earth): 0.20mApk.
T1 pin 1-2	S-C	264	10 mins	F1	0.016	Unit shutdown immediately. No damage, No hazard. Touch voltage ("+" to "-"): 0V; Touch current ("+/-" to earth): 0.2mApk.
T1 pin 3-5	S-C	264	10 mins	MALTER F1	0.012	Unit shutdown immediately. No damage, No hazard. Touch voltage ("+" to "-"): 0V; Touch current ("+/-" to earth): 0.2mApk.
T1 pin 6-7	S-C	264	10 mins	F1	0.012	Unit shutdown immediately. No damage, No hazard. Touch voltage ("+" to "-"): 0V; Touch current ("+/-" to earth): 0.2mApk.



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Le MULL			EN IEC 62368-1			in and
Clause	Requirement + Test	U.S.	Will My My	Result - Remark	et el	Verdict

400				.AY 3	<u> </u>	712. 10. 12.
U1 pin 1-2	o-C	264	10 mins	F1.LTE	0.012	Unit shutdown immediately. No damage, No hazard. Touch voltage ("+" to "-"): 0V; Touch current ("+/-" to earth): 0.2mApk.
U1 pin 3-4	S-C	264	10 mins	I ^{NL} F1 VI	0.012	Unit shutdown immediately. No damage, No hazard. Touch voltage ("+" to "-"): 0V; Touch current ("+/-" to earth): 0.2mApk.
U1 pin 1	0-C	264	10 mins	F1	0.012	Unit shutdown immediately. No damage, No hazard. Touch voltage ("+" to "-"): 0V; Touch current ("+/-" to earth): 0.2mApk.
U1 pin 3	0-C	264	10 mins	F1 MILT	0.012	Unit shutdown immediately. No damage, No hazard. Touch voltage ("+" to "-"): 0V; Touch current ("+/-" to earth): 0.2mApk.
CE5	S-C	264	10 mins	F1.	0.012	Unit shutdown immediately. No damage, No hazard. Touch voltage ("+" to "-"): 0V; Touch current ("+/-" to earth): 0.2mApk.

Supplementary information:

Test table is provided to record fault conditions for all applicable energy sources including Thermal burn injury.

- 1) S-C: Short-circuited; O-C: Open-circuited; O-L: Overloaded.
- 2) The test result shown all safeguards remained effective, all safeguards complied with applicable requirements in this standard after restoration of normal operating conditions.
- 3) The test result shown no Class 1 or 2 energy source become Class 3 level during and after single fault condition.
- 4) For fuse opened condition, carried out for all sources of fuse.
- 5) The overloaded condition is according to annex G.5.3.3.
- 6) Winding Limit for T1 winding: $175 \,^{\circ}\text{C} 10 \,^{\circ}\text{C} = 165 \,^{\circ}\text{C}$

M.3	TABLE: Pro	tection circuits for batteries provided within the equipment N/A						
Is it possible t	o install the battery in a reverse polarity position?:							
Equipment Specification		Charging						
		Voltage (V)	Current (A)					



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I COLOTOCO I	NO VV 11 23D09203303D	r age 70 or oc	.	
The MULL		EN IEC 62368-1		
Clause	Requirement + Test	NITE WALL WATER	Result - Remark	Verdict

10, 2,				<u> </u>	<u> </u>			-1	91. 14	777	
		LIER MALTE	WILL	- 11		20,			. JF . LE	t set	
					Battery	Battery specification					
		Non-rechargeable batteries			Rechargeable batteries						
		Discharging			Charging				Discharging	Reverse	
Manufacturer/type		current (A)			Voltage (V) Current (A)		ent (A)	current (A)	charging current (A)		
- UEF ST	THE THE OUTER OUTE - WILL AND -			N - 201	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1		, L		16th 5	EK TIEK	
Note: The test	s of M.3.2 ar	e applicable or	nly wh	nen above	appropria	ite d	ata is	not avai	ilable.		
Specified batt	ery temperat	ture (°C)	W.			:	٠	TEX	JEH RUTER		
Component	Fault	Charge/		Test	Temp.	Cu	rrent	Voltage	e Obse	Observation	
No.	condition	discharge mo	ode	time	(°C)	(A)	(V)			
- T		(TEX- (I	est .	ال ^{سالت} با	in and		SIL.	21/2	20, 1		

Supplementary information:

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

M.4.2	TABLE: battery	Charging sa	feguards for	equipment c	ontaining a s	secondary lithium	N/A	
Maximum	specified c	narging voltag	e (V)		70 - 70	THE OLITER WAY	_	
Maximum	specified cl	narging curren	it (A)		: ²¹ 1	N THE SE	_	
Highest specified charging temperature (°C)								
Lowest spe	ecified chai	ging temperat	ure (°C)	<i>2</i> 11	:	ek zek zek		
Battery		Operating		Measurement		Observation	n	
manufactu	rer/type	and fault condition	Charging	Charging	Temp.			
			voltage (V)	current (A)	(°C)			
E MITE	MUTTE W	en en en	7/2 "A	J. J. A	et Jet	LIER WITER - WIL	WALTE	

Supplementary information:

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

Q.1 TABLE: Circuits intended for interconnection with building wiring (LPS)							
Output Circuit	Condition	U _{oc} (V)	Time (s)	I _{sc} (A)		S (VA)	
				Meas.	Limit	Meas.	Limit
Loading: 12	Vdc, 1.67A	LIEK WALTE	White M	Tr. Wer	2/12 2	n 20	



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		EN	I IEC 62368	-1 <u>-</u> 6 th _3			
Clause	Requirement + Test	UNLIE VINLI	The .	Result	- Remark	at a	Verdict
ale,	an an an	·	. Jet	Ster Ste	No.	ance and	The same
Output	Normal operation	12.36	5s	2.02	8.0	24.56	100
Output	SC: U1 (pin 1-2)	0*	5s	0*	on 8 m	0*	100
Output	SC: U1 (pin 3-4)		5s	0*	8	0*	100
Output	OC: U1 (pin 1)	0*	5s	w 0* w	8	0*	100
Output	OC: U1 (pin 3)	0*	5s	0*	8 8	0*	100
Loading: 9	9Vdc, 2.22A	NITER WALTE	Wer.	mr. mr	100	20 7	of let
Output	Normal operation	9.25	5s	2.71	8.0	24.36	100
Output	SC: U1 (pin 1-2)	0*	5s	0*	8	0*	100
Output	SC: U1 (pin 3-4)	0*	5s 5	0*	10 8 W	0*	100
Output	OC: U1 (pin 1)	0*	5s	0*	8 20	0*	100
Output	OC: U1 (pin 3)	0*	5s	0* 4	8	0*	100
Loading: 5	5Vdc, 3A	4,	Let.	TEN TE	A STER	WITE WAT	in with
Output	Normal operation	5.21	5s	4.37	8.0	20.89	100
Output	SC: U1 (pin 1-2)	0*	5s	0*	8	0*	100
Output	SC: U1 (pin 3-4)	0*	5s	0*	8	0*	100
Output	OC: U1 (pin 1)	0*	5s	0*	8	0*	100
Output	OC: U1 (pin 3)	0*	5s	0*	8	0*	100

Supplementary Information:

SC = short circuit, OC = open circuit

^{*} Unit shutdown immediately. No damage, No hazard.

T.2, T.3, T.4, T.5	TABLE: S	THE STATE OF THE STATE				
Location / Part	Material	Thickness (mm)	Probe	Force (N)	Test Duration (s)	Observation
Top side (T.4)	Plastics*	with 1.7 m	MULTER.	100	5 white whi	Enclosure remained intact, no crack/ opening developed. Internal ES3, TS3 were not accessible after test. No insulation breakdown.
Front sides (T.4)	Plastics*	1.7	LEST - W	100	5	Enclosure remained intact, no crack/ opening developed. Internal ES3, TS3 were not accessible after test. No insulation breakdown.



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The WALL		EN IEC 62368-1			
Clause	Requirement + Test	MULL MY M	Result - Remark	alt all	Verdict

Bottom side (T.4)	Plastics*	ITEK MALIEK	on i T e Nijek V	100	miret mir	Enclosure remained intact, no crack/ opening developed. Internal ES3, TS3 were not accessible after test. No insulation breakdown.
Internal components (T.2)	NLTEK WALT	ex whitex whi	EK Whi	10	5	No reduction the clearances and creepage distances

Supplementary information:

*See table 4.1.2 enclosure materials

Test was performed for all sources of enclosure material.

T.6, T.9 T.	ABLE: Impa	ct test	14, 14,	N/A
Location/Part	Material	Thickness (mm)	Height (mm)	Observation
24, 74,		at the	EX TITE	Mail me me me
Supplementary	information:			
*Test was perfe	ormed on pro	duct with each sou	ırce listed in t	able 4.1.2.

d 24	ABLE: Drop	7 - 2 - 2	1807	
Location/Part	Material	Thickness (mm)	Height (mm)	Observation
Three side of enclosure	Plastics*	See table 4.1.2	1000mm	After the drop test, enclosure remained intact, no cracking/opening developed in the enclosure joint. Internal ES3, TS3 were not accessible after test. No insulation breakdown.
Supplementary	information:			

T.8	TABLE: Stres	s relief test			The war was and The
Location/Par	t Material	Thickness (mm)	Oven Temperatur e (°C)	Duration (h)	Observation
Enclosure	Plastics*	See table 4.1.2	MALTE WAS	7.24 140.	Enclosure remained intact, no cracking/opening developed in the enclosure joint. Internal ES3, TS3 were not accessible after test. No insulation breakdown.

Waltek Testing Group Co., Ltd. http://www.waltek.com.cn



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Le MULL			EN IEC 62368-1			
Clause	Requirement + Test	U.S.	Will My My	Result - Remark	et et	Verdict

*Test were performed on product with each source listed in table 4.1.2

X	TABLE: Alterna	Iternative method for determining minimum clearances distances N/A				
Clea	rance distanced between:	Peak of working volt (V)	age Required cl (mm)	Measured cl (mm)		
- JEK	ALTER MITER WAS	I WHI WALL	In the state of	THE THE WIFE		
Suppleme	entary information:					
See Table	e 5.4.2, 5.4.3	Mer Alexander	a at at let	LIEF STEE BLIEF S		



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Reference	10 WTF23D09203303D	EN IEC 62368-1	EK JEK STER	MILIEN WIL	TE WATER
Clause	Requirement + Test	antier main mil	Result - Remark	A 10	Verdict

Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity ¹⁾
Enclosure	SABIC INNOVATIVE PLASTICS B V	EXL9330S (f1)(IP)	PC, V-0, 110°C, min. thickness: 0.8mm	UL 94, IEC 62368-1, EN IEC 62368-1	UL, Tested with appliance
Pin holder / Pin sleeving	Covestro Deutschland AG [PC Resins]	FR6005 + (z)	V-0, 110°C	UL 94, IEC 62368-1, EN IEC 62368-1	UL Tested with appliance
PCB WALLEY	SHENZHEN JIA LI CHUANG TECHNOLOGY DEVELOPMENT CO LTD	JLC-2	V-0, 130°C	UL 796, IEC 62368-1, EN IEC 62368-1	UL E479892
Fuse (F1)	Shenzhen Lanson Electronics Co. Ltd.	24E JULI VILLE	T2L/250VAC	IEC/EN 60127- 1, IEC/EN 60127- 7, UL 248-1, UL 248-14	UL, VDE
Y-capacitor (CY1)	Sichuan Teruixiang Technology International Co Ltd	TRX while whi	Each. Max. 2200pF, Min. 250Vac, 125°C, Y1 type	UL 60384-14, IEC/EN 60384- 14	UL, ENEC
Optocoupler (U2)	EVERLIGHT ELECTRONICS CO LTD	EL357 V	Dti≥0.4mm, Ext. cl≥5.0mm, Ext. cr ≥5.0mm, min. 110°C, reinforced insulation.	UL 1577, IEC/EN 60747- 5-5	UL, VDE
Transformer (T1)	Guangxi Xingda Weiye Technology Co., Ltd	RJD-BYQ-104	Class B	Applicable parts in IEC 62368-1, EN IEC 62368-1 and according to IEC 60085.	Tested with appliance



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Telefelice N	J WII 25D09205505D	.0	age 05 of 00			10 10
I'L WALL			EN IEC 62368-1			MULL
Clause	Requirement + Test	Jile J	Will My My	Result - Remark	at de	Verdict

- Bobbin	SUMITOMO BAKELITE CO LTD	PM-9820, PM-9825, PM-9630	Phenolic, V-0, 150°C, Min thickness: 0.45mm	UL 94	UL E41429
- Magnet wire	SHANTOU SHENGANG ELECTRICAL INDUSTRIAL CO LTD	xUEW/130	130°C	UL 1446, IEC 62368-1, EN IEC 62368-1	UL E239508 Test with appliance
- Triple Insulation Wire	Furukawa Electric Co., Ltd.	TEX-E	130°C	IEC/EN/UL 62368-1	VDE 006735
- Tube	GREAT HOLDING INDUSTRIAL CO LTD	TFL HE WALTER	200°C, 150V, VW-	UL 224	UL E156256
- Insulation tape	INGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	PZ* (b)	Min. 200°C VW-1	UL 510	UL E165111
Inductor (LF1)		TE SOUTH	130°C	IEC 62368-1, EN IEC 62368-1	Test with appliance
E-cap (CE4)	Various	Various	Max. 15µF, min. 400V, min. 105°C	IEC 62368-1, EN IEC 62368-1	Test with appliance

Supplementary information:

¹⁾ Provided evidence ensures the agreed level of compliance. See OD-CB2039.

²⁾ License available upon request.



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VILL CHUTT		EN 50075			
Clause	Requirement + Test	With My W	Result - Remark	at de	Verdict

European plug portion test for EU plug portion:

6 rest our	Marking		
et s	Appliances shall be marked as follows:	Incorporated with adaptor.	P
iti. "Alex	Rated current in amperes (A)	A TEL WALLE WALL WALL WILL .	Page
Et JEK	Rated Voltage in volts (V)	t at the the	JEK PUTE
711	Symbol for nature of supply (~)	white with any and any	Р
WALTE V	Name, trade mark or idendification mark of manufacturer or responsible vendor	MILIER WHITER WHITER WHITER WHITE	WP.
INLIE WA	Type reference	et tet stet stret miter	INLIP IN

7 .1	Dimensions			P		
ک ا	Plug shall comply with Standard S	Sheet 1	. X St	Alt o	P	
20	Between two pins (pin base)	18.0 – 19.2 mm	18.38	mm	Р	
CLIER	Between two pins (pin top)	17.0 – 18.0 mm	17.62	mm	P	
50°	Diameter of pin (metallic part)	4 ^{± 0.06} mm	3.99	mm	Р	
17. 1	Diameter of pin (pin base)	max. 4.0 mm	3.84	mm	N P W	
it .	Diameter of pin (middle part)	max. 3.8 mm	3.48	mm	OF P	
211	Pin length	19 ^{± 0.5} mm	19.01	mm	Р	
, cite	Length of pin except metal part	10 ^{+ 1.0} mm	10.39	mm	Р	
-U"	Shape of pin top	"E WUTT MUTT	Round shape	7,7	Р	
NITES	Length of plug base	35.3 ^{± 0.7} mm	35.54	mm	un ^u P .	
*	Width of plug base	13.7 ^{± 0.7} mm	13.78	mm	P	
ان ^ا ان ا	Diagonal dimension of plug base within a distance of 18mm	<26.1 ^{± 0.5} mm <26.1 ^{± 0.5} mm	26.43 26.26		P ^{ru}	
4/1	Angle	45°	w 45	۰	Р	
MITE	Radius	R 5 -0, +1 mm	R5.52	mm	P	

8	Protection against electric shock		P 30
8.1	Live parts of the plug not accessible (standard test finger)	Incorporated with adaptor.	THE PLAN
8.2	No connection between one plug-pin and socket outlet	A WILLS MATER MATER MATE	* PIEK



Ρ

P

Ρ

Incorporated with adaptor

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Adequate fixed into the body

Easily to be withdrawn from socket-outlet

Kind of connection

9.5

9.6

. ans	EN 50075					
Clause	Requirement + Test	Result - Remark	Verdict			
Mes	THE THE SECTION	The Court will all the	2112			
8.3	External parts of insulating material	the state of the	P			
11/2 1	of the left set of	ier write write with white	11/2 1			
9,00	Construction	at let let let	LIFP IN			
9.1	Plugs are not replaceable	Incorporated with adaptor.	Р			
9.2	Switches, fuse, lampholder not incorporated	TE LIER ALTER MITER AN	N. P.L.			
9.3	Solid pins	See clause 13	P			
MINE	Adequate mechanical strength	LIER NLIER WHITE WHITE WHI	√″P			
9.4	Pins locked against rotation	See clause 13.1 & 13.4	P			

10	Resistance to humidity		P
212 21	-Humidity treatment for 48 hours	Tested with adaptor.	The P

-\$	11	Insulation resistance and electric strength		Р
3	11.1	Insulation resistance (500V, min 5M Ω)	200ΜΩ	NITE PARTY
	11.2	Electric strength (2000V)	(see appended table)	P

13	Mechanical strength		P
13.1	Pressed with 150N for 5 min	THE WALL WALL WALL WALL	Р "
13.2	Tumbling barrel according to EN 61558-1 Number of cycles:	Adaptor mass: 49g Number of cycles:50 falls	W LIFE PART
IEF WIT	No damages after the test	TEL SER STER STER OF	V PUL
	Requirements of clause 7 and 8.2 still fulfilled	in the same	N/A
13.3	Rubbing test of plug-pins: 10000 cycles, 4N	TEX NITER INTER MILE WALL	JII P
All P	No damage of the pins	a the set set	P
13.4	Pull test at 70°C with 40N	" The Marie Marie Marie Marie	P
CIEN N	Pins not more than 1 mm displaced	Displacement: 0.2 mm	TEN POLIT

14	Resistance to heat and to aging	Р
100		100



		EN 50075		
Clause	Requirement + Test	auris mus a	Result - Remark	Verdict
ani.	The Angelow	A THE	THE NUTTER WITE WALL	mi mi

14.1	Sufficient resistant to heat	Incorporated with adaptor.	Р
14.1.1	After 1 h in heating cabinet at 100°C no damage shown	Tested with adaptor.	our P
14.1.2	After 1 h in heating cabinet at 80°C and a force of 20N through the jaws no damage shown	mile white white white w	Р
14.2	Aging test	TE WILL WHILE MALL WAL	P
LIEK	-at 70°C for 168h	e at at at the	Р
107	-at room temperature for 96h	MULT MULT MULT MAN	Р
INCTER ON	No traces of cloth at a force of 5N	Tex Liex Slies while	In LT P
4	No damage leads to non-compliance	14, 14, 14, 14,	P

15	Current-carrying parts and connections resistance to heat and to aging		* Print
15.1	Connections withstand the mechanical stresses occurring in normal use	white must meet the	Р
15.2	Contact pressure not through isolating material	With Mill Mill May	An P
15.3	Current carrying parts of copper	et Jill lift	LITE P NOT
	No electroplated coating when part is subjected to mechanical wear	The state of the s	P
k ties	Other metals having a mechanical strength, an electrical conductivity and a resistance to corrosion	THE THE THE THE	N/A

16	Creepage distances, clearances and distances through insulation		
· ·	Live parts of different polarity: 3mm	5mm	, P
ar an	Through insulation between live parts and accessible surfaces: 1.5mm	2.0mm	P.II

17	Resistance of insulation material to abnormal heat and fire			
AIL	Insulating material not unduly affected by abnormal heat and by fire	(see appended table)	ALL P	

11.1	TABLE: Insulation resistance measurements		
Measure	ed between:	Result	
Pins con	nected together and the body (\geq 5M Ω)	200ΜΩ	P



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TCICICIOC	140 W 11 20D0020000D	100	1 age of or oc			
The Muri			EN 50075			
Clause	Requirement + Test	Lite 1	ury and a	Result - Remark	EK TE	Verdict

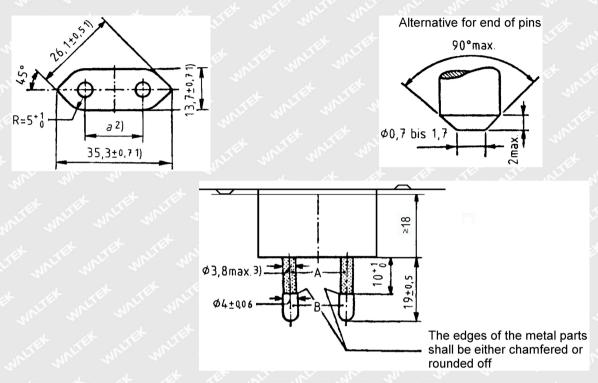
Each pins in turn and the other, the latter being connected to the body ($\geq 5 M~\Omega)$	200ΜΩ	P-
Note:	the state of	LEX.

11.2	TABLE: electric strength measurements		JE PO
Test volta	ge applied between:	Test voltage (V)	Break down
Pins conn	ected together and the body	2000VAC	No
Each pins in turn and the other, the latter being connected to the body			No
Note:	MALL WALL WALL WAS THE TEXT OF	- ITEK TITEK MITER	WILLE WA
17.3	TABLE: Resistance of insulating material to abnorma	al heat and to fire	Р
Parts that retain current-carrying parts in position: 750°C			P
Other par	ts: 650°C	a at the si	of P
Note:	W W LET STEEL OF	LIE WILL MILL MILL	21/2



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Veleteline i	10 W 1723D09203303D	raye 60 01 60	The state of the s		A RO
The MULL		EN 50075			
Clause	Requirement + Test	MILL MILL OF	Result - Remark	16t 16	Verdict



A = Insulating collar

B = metal pin

- 1) These dimensions shall not be exceeded within a distance of 18mm from the engagement face of the plug.
- 2) Dimension a is:

18mm to 19.2mm in the plane of the engagement face

17mm to 18mm at the ends of the pins

3) This dimension may be increased to 4mm within a distance of 4mm from the engagement face of the plug.



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Photo Documentation

Reference No.: WTF23D09203365D Model: MO2155



Picture 1 Overall view



Picture 2 Overall view



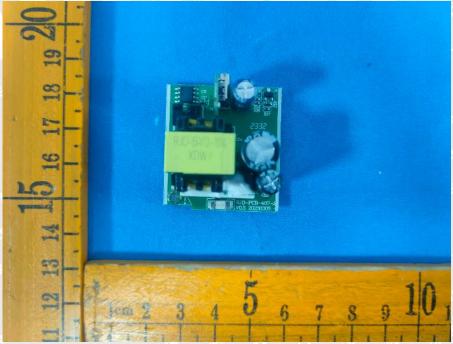
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Photo Documentation

Reference No.: WTF23D09203365D Model: MO2155



Picture 3 Internal view



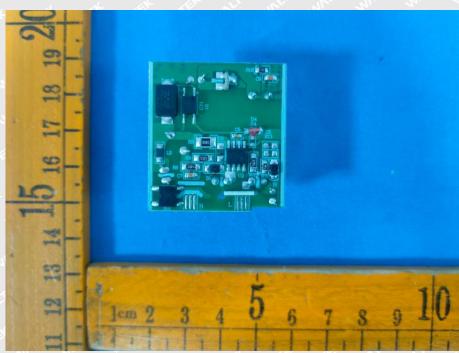
Picture 4 PCB trace view



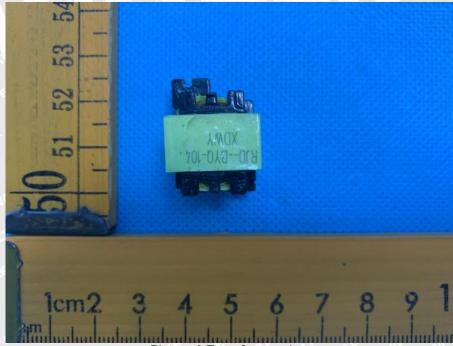
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Reference No.: WTF23D09203365D Model: MO2155



Picture 5 PCB trace view



Picture 6 Transformer view ===== End of Report ======