

## **TEST REPORT**

**Reference No.....**: WTX24X09214733S

Applicant...... : Descartes Systems Group Inc.

Address...... 105 Trafalgar Street, Floor 2, Nelson, Tasman 7010, New Zealand

Manufacturer ...... : Descartes Systems Group Inc.

Address...... 105 Trafalgar Street, Floor 2, Nelson, Tasman 7010, New Zealand

Product Name.....: Pallet tag

Model No.....: PLT005

Test specification..... : EN 62368-1:2014 +A11:2017

Audio/video, information and communication technology equipment-

Part 1:Safety requirements

Date of Receipt sample..... : 2024-09-13

Date of Test...... 2024-09-13 to 2024-09-20

Date of Issue..... : 2024-09-24

Test Report Form No......: WTX EN62368 1 2014B

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 approver.

## Prepared By: Waltek Testing Group (Shenzhen) Co., Ltd.

Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

Tel:+86-755-33663308 Fax:+86-755-33663309 Email: <a href="mailto:sem@waltek.com.cn">sem@waltek.com.cn</a>

Tested by:

John Zhong

John Zhong / Project Engineer

Approved by:

Harvid Wei / Manager



Test item description	: Pallet tag
Trademark	nith a feet of the first of the feet of the first of the
Model and/or type reference .	: PLT005
Rating(s)	: 3V=== (Powered by 2 pcs coin battery)
Remark:	
Whether parts of tests for the	product have been subcontracted to other labs:
☐ Yes	⊠ No
If Yes, list the related test item	ns and lab information:
Test items:	
Lab information:	

## Summary of testing:

## Tests performed (name of test and test clause):

- EN 62368-1:2014+A11:2017

The submitted samples were found to comply with the requirements of above specification.

## **Testing location:**

Waltek Testing Group (Shenzhen) Co., Ltd. Address: 1/F., Room 101, Building 1, Hongwei Industrial Park, Liuxian 2nd Road, Block 70 Bao'an District, Shenzhen, Guangdong, China

### Copy of marking plate:



### Remark:

Above label for reference only, final label marking on product shall contain the information at least. Name and address of the Importer AND Manufacturer must be affixed on the product when the product placed on the EU market.

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

Reference No.: WTX24X09214733S

## Page 3 of 57



TEST ITEM PARTICULARS:	NITER WHITE WHITE WHITE WAS AND WITE		
Classification of use by:	<ul><li>☑ Ordinary person</li><li>☐ Instructed person</li><li>☐ Skilled person</li></ul>		
and my my my my	☐ Children likely to be present		
Supply Connection:	□ AC Mains □ DC Mains □ External Circuit - not Mains connected - □ ES1 □ ES2 □ ES3		
Supply % Tolerance	□ +10%/-10% □ +20%/-15% □ +%/ <u>-</u> % □ None		
Supply Connection – Type:	<ul> <li>□ pluggable equipment type A -</li> <li>□ non-detachable supply cord</li> <li>□ appliance coupler</li> <li>□ direct plug-in</li> <li>□ mating connector</li> <li>□ pluggable equipment type B -</li> <li>□ non-detachable supply cord</li> <li>□ appliance coupler</li> <li>□ permanent connection</li> <li>□ mating connector other: not directly connected to the mains</li> </ul>		
Considered current rating of protective device as part of building or equipment installation:	N/A Installation location: □ building; □ equipment		
Equipment mobility:			
Over voltage category (OVC)	<ul> <li>□ OVC I□ OVC II□ OVC III</li> <li>□ OVC IV</li></ul>		
Class of equipment:	☐ Class I☐ Class II⊠ Class III		
Access location	☐ restricted access location⊠ N/A		
Pollution degree (PD):	□ PD 1⊠ PD 2□ PD 3		
Manufacturer's specified maxium operating ambient:	40°C		
IP protection class	⊠ IPX0 □ IP		
Power Systems	□ TN □ TT□ IT − V L-L		
Altitude during operation (m)	⊠ 2000 m or less □ m		
Altitude of test laboratory (m):	⊠ 2000 m or less □ m		
Mass of equipment (kg)	⊠ 0.018Kg		
e retter intite water water will the	at the first title street states		
POSSIBLE TEST CASE VERDICTS:	MILL MILL MILL MIN		
- test case does not apply to the test object:	N/A A A A A A A A A A A A A A A A A A A		

Reference No.: WTX24X09214733S Page 4 of 57

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	V		)
V	V		4
	1	W	W/

- test object does meet the requirement:	P (Pass)
- test object does not meet the requirement:	D. M. W. A.
TESTING:	It will write with and the will
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided	☐ Yes ☐ Not applicable
When differences exist; they shall be identified in the	ne General product information section.
Name and address of factory (ies)::	Same as manufacturer
GENERAL PRODUCT INFORMATION:	EX LIFE THE MILE MILE WHILE WHILE WHILE
Product Description  1. This product is a Pallet tag is Class III equipment.  2. As the applicant declares, the operation temperature	e is 40.0°C.
Model Differences	mi my my my the
N/A next while while while while while	
Additional application considerations – (Consider	ations used to test a component or sub-assembly)



## **ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE:**

(Note 1: Identify the following six (6) energy source forms based on the origin of the energy.)

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

#### **Electrically-caused injury (Clause 5):**

Reference No.: WTX24X09214733S

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

Example: +5 V dc input, ES1

Source of electrical energy	Corresponding classification (ES)				
Internal circuits	ES1, un un un				

#### **Electrically-caused fire (Clause 6):**

(Note: List sub-assembly or circuit designation and corresponding energy source classification)

Example: Battery pack (maximum 85 watts):

Source of power or PIS	Corresponding classification (PS)
All internal circuits/components	PS1

#### Injury caused by hazardous substances (Clause 7)

(Note: Specify hazardous chemicals, whether produces ozone or other chemical construction not addressed as part of

the component evaluation.)

Example: Liquid in filled componentGlycol

Source of hazardous substances	Corresponding chemical		
N/A	N/A The second of the second o		

#### Mechanically-caused injury (Clause 8)

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

Example: Wall mount unitMS2

Source of kinetic/mechanical energy	Corresponding classification (MS)			
MASS OF THE UNIT	MS1			
EDGES AND CORNERS	MS1			

#### Thermal burn injury (Clause 9)

(Note: Identify the surface or support, and corresponding energy source classification based on type of part, location, operating temperature and contact time in Table 38.)

Example: Hand-held scanner – thermoplastic enclosure

Source of thermal energy	Corresponding classification (TS)			
ACCESSIBLE SURFACES	TS1 and the state of the state			

## Radiation (Clause 10)

(Note: List the types of radiation present in the product and the corresponding energy source classification.)

Example: DVD - Class 1 Laser Product

Type of radiation	Corresponding classification (RS)
N/A	N/A

		ENERGY SOURCE	DIAGRAM		
Indicate which energy source	ces are included	l in the energy source d	iagram. Ins	sert diagram below	, m,
	- 101 - 101	⊠ PS ⋈ MS	- 4	-1 A A A	



Clause	Descible Hererd			Jt 10	
	Possible Hazard				
5.1	Electrically-caused injury				
Body Part	Energy Source (ES3: Primary Filter circuit)	Safeguards			
(e.g. Ordinary)		Basic	Supplementary	Reinforced (Enclosure)	
Ordinary	ES1: All circuits inside the equipment enclosure	N/A	N/A	N/A	
6.1	Electrically-caused fire	me m	24. 25.	* *	
Material part	Energy Source Safeguards				
(e.g. mouse enclosure)	(PS2: 100 Watt circuit)	Basic	Supplementar y	Reinforced	
All combustible materials within equipment fire enclosure	PS1: All circuits inside the equipment enclosure	N/A	N/A	N/A	
7.1 At At At A	Injury caused by hazardous substances				
Body Part	Energy Source	Safeguards			
(e.g., skilled)	(hazardous material)	Basic	Supplementary	Reinforced	
N/A	N/A	N/A	N/A	N/A	
8.1	Mechanically-caused inj	ury	A STATE OF	t get .	
Body Part	Energy Source	Safeguards			
(e.g. Ordinary)	(MS3:High Pressure Lamp)	Basic	Supplementary	Reinforced (Enclosure)	
Ordinary	MS1: Mass of the unit	N/A	N/A	N/A	
Ordinary	MS1: Edges and corners	N/A	N/A	N/A	
9.1	Thermal Burn	TER STEE	ALTER WALTER WALT	100 1	
Body Part	Energy Source	Safeguards			
(e.g., Ordinary)	(TS2)	Basic	Supplementary	Reinforced	
Ordinary	TS1: Accessible surfaces	N/A	N/A	N/A	
10.1	Radiation	m. m.	7	et set	
Body Part	Energy Source	LIER STER	Safeguards	Mur	
(e.g., Ordinary)	(Output from audio port)	Basic	Supplementary	Reinforced	
N/A	N/A	N/A	N/A	N/A	

Supplementary Information:

- (1) See attached energy source diagram for additional details.
- (2) "N" Normal Condition; "A" Abnormal Condition; "S" Single Fault

Reference No.: WTX24X09214733S		Page 7 of 57	
NATED INCH	white me we we	EN 62368-1	MILL WALL
Clause	Requirement – Test	Result – Remark	Verdict

4	GENERAL REQUIREMENTS		Р
4.1.1	Acceptance of materials, components and subassemblies	t nites unites unites unite	JUNE PI
4.1.2	Use of components	(See appended table 4.1.2)	P
4.1.3	Equipment design and construction	mile unit white white	P.
4.1.15	Markings and instructions	(See Annex F)	P
4.4.4	Safeguard robustness	The Mile Mile Mer M	Р
4.4.4.2	Steady force tests:	(See Annex T.5)	Р
4.4.4.3	Drop tests	mue me me m	N/A
4.4.4.4	Impact tests:	(See Annex T.6)	P
4.4.4.5	Internal accessible safeguard enclosure and barrier tests:	one on the tex	N/
4.4.4.6	Glass Impact tests	iver mur mur mur	N/A
4.4.4.7	Thermoplastic material tests:	(See Annex T.8)	P
4.4.4.8	Air comprising a safeguard:	ry mer me my m	N/A
4.4.4.9	Accessibility and safeguard effectiveness	of the the atternation	Р
4.5	Explosion	No explosion	Р
4.6	Fixing of conductors	LET WITE MITE	N/A
4.6.1	Fix conductors not to defeat a safeguard	2 1 2	N/A
4.6.2	10 N force test applied to:	LIE OLIV MILL MALL M	N/A
4.7	Equipment for direct insertion into mains socket - outlets	es tes tes attes attes and	N/A
4.7.2	Mains plug part complies with the relevant standard	the set set set	N/A
4.7.3	Torque (Nm):	Mur My My My	N/A
4.8	Products containing coin/button cell batteries	THE THE STEE STEE	P
4.8.2	Instructional safeguard	any any any	N/A
4.8.3	Battery Compartment Construction	TEX LIER SLIER WITE ON	N/A
NITEK .	Means to reduce the possibility of children removing the battery	of left telf stelf and	Et OLTEN
4.8.4	Battery Compartment Mechanical Tests	(See Annex T.8)	Р
4.8.5	Battery Accessibility	TER TER STER WITE	P
4.9	Likelihood of fire or shock due to entry of conductive object:	My My My My	Р

5	ELECTRICALLY-CAUSED INJURY		Р
5.2.1	Electrical energy source classifications	(see appended table 5.2)	Р

Page 8 of 57 Reference No.: WTX24X09214733S

2/1/2	EN 62368		245 91
Clause	Requirement – Test	Result – Remark	Verdict
5.2.2	ES1, ES2 and ES3 limits	STEE MILE SPIESE SPIESE	Р
5.2.2.2	Steady-state voltage and current	(see appended table 5.2)	. P
5.2.2.3	Capacitance limits	CONTRACTOR OF THE STATE OF THE	N/A
5.2.2.4	Single pulse limits		N/A
5.2.2.5	Limits for repetitive pulses		N/A
5.2.2.6	Ringing signals	2/1	N/A
5.2.2.7	Audio signals		N/A
5.3	Protection against electrical energy sources	THE THE LIBERTIES	N/A
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	of the the state of	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	un un un sil	N/A
5.3.2.2	Contact requirements	Write Murr Mer Murr	N/A
K CLIER	a) Test with test probe from Annex V	at let let liet	N/A
4,	b) Electric strength test potential (V)	With My My My	N/A
IN LITER ON	c) Air gap (mm)	tet tet tet stet stell so	N/A
5.3.2.4	Terminals for connecting stripped wire	I WE WE WE	N/A
5.4	Insulation materials and requirements	ed let a nite init	P
5.4.1.2	Properties of insulating material		Р
5.4.1.3	Humidity conditioning	LIFE OUT MILITARIA	N/A
5.4.1.4	Maximum operating temperature for insulating materials	(see appended table 5.4.1.4)	NITEX NOT
5.4.1.5	Pollution degree	er m. m. m.	_
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	EX MILIER MILIER MILIE MA	N/A
5.4.1.5.3	Thermal cycling	· THE THE STEE STEE	N/A
5.4.1.6	Insulation in transformers with varying dimensions	THE THE THE	N/A
5.4.1.7	Insulation in circuits generating starting pulses	are are are	N/A
5.4.1.8	Determination of working voltage	it let tet tet itet .	N/A
5.4.1.9	Insulating surfaces	r. Mr. Mr. M. M.	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	Multer whiter whiter whi	N/A
5.4.1.10.2	Vicat softening temperature	at at all the	N/A
5.4.1.10.3	Ball pressure	Mury Mur Mur My	N/A
5.4.2	Clearances	let let let let liet	N/A
5.4.2.2	Determining clearance using peak working voltage	un my my my	N/A

Reference No.: WTX24X09214733S	Page 9 of 57

EN 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
5.4.2.3	Determining clearance using required withstand voltage	NIET WILLS WEIGH WI	N/A
mr. n	a) a.c. mains transient voltage	TER OLITER WILLER WHILE	The -
Let 3	b) d.c. mains transient voltage		dt -
L 10	c) external circuit transient voltage	WILL WILL MILL	m
EKVINLTE	d) transient voltage determined by measurement	ALTER MITER MALTER W	NITER WY -
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	TER LIER WILLER	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	of the tips of the	N/A
5.4.3	Creepage distances	m m m	N/A
5.4.3.1	General	THE LITTER SLITER	N/A
5.4.3.3	Material Group	20, 20, 20,	_
5.4.4	Solid insulation	LIEK OLIEK MLTER OM	N/A
5.4.4.2	Minimum distance through insulation	n n	N/A
5.4.4.3	Insulation compound forming solid insulation	TER INITE WALL WALL	N/A
5.4.4.4	Solid insulation in semiconductor devices		N/A
5.4.4.5	Cemented joints	of the same	N/A
5.4.4.6	Thin sheet material		N/A
5.4.4.6.1	General requirements	WALLE MALL MAL A	N/A
5.4.4.6.2	Separable thin sheet material	at let let i	N/A
3,	Number of layers (pcs)	res mer mer me	N/A
5.4.4.6.3	Non-separable thin sheet material	of the other of	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	AND AND AND	N/A
5.4.4.6.5	Mandrel test	Write Auth Auth	N/A
5.4.4.7	Solid insulation in wound components	at let set	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz	Will Mur Mur An	N/A
5.4.5	Antenna terminal insulation	ret ret tret at	N/A
5.4.5.1	General	in my m	N/A
5.4.5.2	Voltage surge test	of the liter with	N/A
A 16	Insulation resistance (M $\Omega$ )	20, 20, 22,	
5.4.6	Insulation of internal wire as part of supplementary safeguard	MALTER WALTER WALTER	N/A
5.4.7	Tests for semiconductor components and for cemented joints	ALTER MALTER MALTER MA	N/A

N/A

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Humidity conditioning

5.4.8



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Clause	Requirement – Test	8-1 Result – Remark	Verdict
Clause	Requirement – Test	Nesuit - Nemark	Verdict
Ans.	Relative humidity (%)	WITE WALL WALL WAS	71/2
STEEL IN	Temperature (°C)	at at at a	· _5 —
24, 24	Duration (h)	the many many many	
5.4.9	Electric strength test		N/A
5.4.9.1	Test procedure for a solid insulation type test	mi mi m	N/A
5.4.9.2	Test procedure for routine tests	TEX LIER ALTER IN	N/A
5.4.10	Protection against transient voltages between external circuit	an an an	N/A
5.4.10.1	Parts and circuits separated from external circuits	and the top of	N/A
5.4.10.2	Test methods	The main was and	N/A
5.4.10.2.1	General	at the title	N/A
5.4.10.2.2	Impulse test	Mer and any	N/A
5.4.10.2.3	Steady-state test	THE THE STATE OF	N/A
5.4.11	Insulation between external circuits and earthed circuitry		N/A
5.4.11.1	Exceptions to separation between external circuits and earth	The man and the	N/A
5.4.11.2	Requirements	to the same	N/A
CER CLER	Rated operating voltage U <sub>op</sub> (V)		
4,	Nominal voltage U <sub>peak</sub> (V)		. a _
ELTER.	Max increase due to variation U <sub>sp</sub>	the set of	15th 25 —
	Max increase due to ageing ΔUsa	The same says and	7, -
WITE WY	U <sub>op</sub> = U <sub>peak</sub> + ΔU <sub>sp</sub> +ΔU <sub>sa</sub>	Et TEX TEX STE	Intie -
5.5	Components as safeguards	in my my	
5.5.1	General	THE LIFE MITE	N/A
5.5.2	Capacitors and RC units	111 111 211	N/A
5.5.2.1	General requirement	TITEL WITE WITE W	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	THE THE STEEL SOLL	N/A
5.5.3	Transformers	1, 21, 21, 2,	N/A
5.5.4	Optocouplers	SE ALTER OLITER MALTER	N/A
5.5.5	Relays	211 111	N/A
5.5.6	Resistors	WITE WILL MULTER	N/A
5.5.7	SPD's	In the state of	N/A
5.5.7.1	Use of an SPD connected to reliable earthing	ALTE MITE WALL WA	N/A

Page 11 of 57

Reference No.: WTX24X09214733S Page 1

Clause	Requirement – Test	Result – Remark	Verdict
t Jet	NITE MIT WILL WAS TON	L A A A	Jet J
5.5.7.2	Use of an SPD between mains and protective earth	With Milit Mer. My	N/A
5.5.8	Insulation between the mains and external circuit consisting of a coaxial cable	THE WALLE WHILE WHILE W	N/A
5.6	Protective conductor	t liet alter miter and	N/A
5.6.2	Requirement for protective conductors	1/1 1/1 1/1	N/A
5.6.2.1	General requirements	TEN STEP WITE WITE	N/A
5.6.2.2	Colour of insulation	an in the state	N/A
5.6.3	Requirement for protective earthing conductors	LIET WHITE WHILL WHI	N/A
inti an	Protective earthing conductor size (mm²)	ex lifex writer awrite an	- L
5.6.4	Requirement for protective bonding conductors	20, 20, 2	N/A
5.6.4.1	Protective bonding conductors	STEE WITE WITE WITE WILL	N/A
y jet	Protective bonding conductor size (mm²)	The state of	_
The .	Protective current rating (A)	WILL AVILL MULL MULL	71/2 _
5.6.4.3	Current limiting and overcurrent protective devices	TEL STEEL WITH SMITH	N/A
5.6.5	Terminals for protective conductors		N/A
5.6.5.1	Requirement	" June Jun	N/A
IEK WALTE	Conductor size (mm²), nominal thread diameter (mm)	Life This Mile White	N/A
5.6.5.2	Corrosion	an an at the	N/A
5.6.6	Resistance of the protective system	LIER INLIER NALLE WALL	N/A
5.6.6.1	Requirements	and the second	N/A
5.6.6.2	Test Method Resistance (Ω)	ies write write with w	N/A
5.6.7	Reliable earthing	and the state of	N/A
5.7	Prospective touch voltage, touch current and pr	otective conductor current	N/A
5.7.2	Measuring devices and networks	it it it it it	N/A
5.7.2.1	Measurement of touch current	ner me me m	N/A
5.7.2.2	Measurement of prospective touch voltage	THE THE STEEL STEEL	N/A
5.7.3	Equipment set-up, supply connections and earth connections	t it it it	N/A
16 T	System of interconnected equipment (separate connections/single connection)	while mer was well	et Let
£	Multiple connections to mains (one connection at a time/simultaneous connections)	MULLE MULL MULL MULL	71 27 II
5.7.4	Earthed conductive accessible parts	L 24 20 30	N/A

N/A

Protective conductor current

5.7.5

Page 12 of 57

Reference No.: WTX24X09214733S

	EN 623	68-1	LET SE
Clause	Requirement – Test	Result – Remark	Verdict
× 56	Life Mile Will Mile Will Will Will Will Will Will Will W	e et et e	The State of
	Supply Voltage (V)	White Murit Mury Mu	- m
SLIFE.	Measured current (mA)	At Alt All	<u> </u>
2, 2	Instructional Safeguard	in my my	N/A
5.7.6	Prospective touch voltage and touch current due to external circuits	TE WILLER WALTER WALTER	N/A
5.7.6.1	Touch current from coaxial cables	a state of the	N/A
5.7.6.2	Prospective touch voltage and touch current from external circuits	must mer mer m	N/A
5.7.7	Summation of touch currents from external circuits	WATER WATER WATER WATER	N/A
10 T	a) Equipment with earthed external circuits     Measured current (mA)	West moutes white	N/A
LIE WILL	b) Equipment whose external circuits are not referenced to earth. Measured current (mA)		N/A

6	ELECTRICALLY- CAUSED FIRE		Р
6.2	Classification of power sources (PS) and potenti	al ignition sources (PIS)	P
6.2.2	Power source circuit classifications	The sure sure sure	Р
6.2.2.1	General	A LET MANAGER MITTER	γ <sup>LT</sup> P
6.2.2.2	Power measurement for worst-case load fault	: (See appended table 6.2.2.2)	ĻΡ
6.2.2.3	Power measurement for worst-case power source fault	(See appended table 6.2.2.3)	N/A
6.2.2.4	PS1	et let the state at	Р
6.2.2.5	PS2	The many	N/A
6.2.2.6	PS3	EL TEL THE WITH WITH	N/A
6.2.3	Classification of potential ignition sources	24, 24, 24	N/A
6.2.3.1	Arcing PIS	: LIER ALTER MITE WALTE.	N/A
6.2.3.2	Resistive PIS	The The state of	N/A
6.3	Safeguards against fire under normal operating and abnormal operating conditions		N/A
6.3.1 (a)	No ignition and attainable temperature value less than 90 % defined by ISO 871 or less than 300 °C for unknown materials	LIEN WILLER WILLER WILL	N/A
6.3.1 (b)	Combustible materials outside fire enclosure	of the text of the state	N/A
6.4	Safeguards against fire under single fault conditi	ons	N/A
6.4.1	Safeguard Method	THE LIFE OUTER WITH A	N/A
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	and an art of the said	N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	ALL WALL WAS THE STATE OF THE	N/A

Page 13 of 57 Reference No.: WTX24X09214733S

<u> </u>	EN 6236		ar are ar
Clause	Requirement – Test	Result – Remark	Verdict
6.4.3.1	General	LIFE MITT WATER WAY	N/A
6.4.3.2	Supplementary Safeguards		N/A
ar al	Special conditions if conductors on printed boards are opened or peeled	Note Marie Marie Marie	N/A
6.4.3.3	Single Fault Conditions	E NITER MALTER MALTE	N/A
EK WITER	Special conditions for temperature limited by fuse	LIER NUTER WATER ON	N/A
6.4.4	Control of fire spread in PS1 circuits	1/11 /11	+ P
6.4.5	Control of fire spread in PS2 circuits	LIER NITE WITE WILL	N/A
6.4.5.2	Supplementary safeguards		N/A
6.4.6	Control of fire spread in PS3 circuit	The only wall wall	N/A
6.4.7	Separation of combustible materials from a PIS	ALIER WITH WITH	N/A
6.4.7.1	General	. 4	N/A
6.4.7.2	Separation by distance	NITE WILL WALL WA	N/A
6.4.7.3	Separation by a fire barrier	a state of	N/A
6.4.8	Fire enclosures and fire barriers	View Muli Muli Muli	N/A
6.4.8.1	Fire enclosure and fire barrier material properties	F CALLERY	N/A
6.4.8.2.1	Requirements for a fire barrier		N/A
6.4.8.2.2	Requirements for a fire enclosure	WITE WILL WILL W	N/A
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	TEX NITER NITER WAY	N/A
6.4.8.3.1	Fire enclosure and fire barrier openings		N/A
6.4.8.3.2	Fire barrier dimensions	ite alter antie antie	N/A
6.4.8.3.3	Top Openings in Fire Enclosure: dimensions(mm)	THE LIFE MITTER	N/A
at at	Needle Flame test	m. n. n.	N/A
6.4.8.3.4	Bottom Openings in Fire Enclosure, condition met a), b) and/or c) dimensions (mm)	nites white white w	N/A
MULLE A	Flammability tests for the bottom of a fire enclosure	TEX WITER WHITER WALT	N/A
6.4.8.3.5	Integrity of the fire enclosure, condition met: a), b) or c)	t nifet snifet whifet	N/A
6.4.8.4	Separation of PIS from fire enclosure and fire barrier distance (mm) or flammability rating	THE STEE WITH	N/A
6.5	Internal and external wiring	24. 24. 24. 2	N/A
6.5.1	Requirements	STER OUTER SPLIES SPA	N/A
6.5.2	Cross-sectional area (mm²)	21. 24. 2	

Reference	e No.: WTX24X09214733S	Page 14 of 57	20 2 V
IIEK INII	White Mar My My	EN 62368-1	ALTER MITER WAY
Clause	Requirement – Test	Result – Remark	Verdict
6.5.3	Requirements for interconnection to wiring		N/A
6.6	Safeguards against fire due to connadditional equipment	ection to	N/A

N/A

External port limited to PS2 or complies with

Clause Q.1

7	INJURY CAUSED BY HAZARDOUS SUBSTANCES	P
7.2	Reduction of exposure to hazardous substances	N/A
7.3	Ozone exposure	N/A
7.4	Use of personal safeguards (PPE)	N/A
11. 14.	Personal safeguards and instructions:	The Maria M -
7.5	Use of instructional safeguards and instructions	L J N/A
Min	Instructional safeguard (ISO 7010)	mer me me
7.6	Batteries	A P

8 6	MECHANICALLY-CAUSED INJURY		J P
8.1	General	Enclosure is smooth and no mechanical energy sources	P
8.2	Mechanical energy source classifications	MS1	Р
8.3	Safeguards against mechanical energy sources	A St. St. St. St.	P
8.4	Safeguards against parts with sharp edges and corners	Edges and corners are classed as MS1	P
8.4.1	Safeguards	ET WITH WITH WITH WITH	N/A
8.5	Safeguards against moving parts	at at at at	N/A
8.5.1	MS2 or MS3 part required to be accessible for the function of the equipment	MILL MILL AND MILL	N/A
8.5.2	Instructional Safeguard	CLIEF WILL WILL MALL MA	_
8.5.4	Special categories of equipment comprising moving parts	THE STIFF BUTTER MILITER MINISTER	N/A
8.5.4.1	Large data storage equipment	The state of	N/A
8.5.4.2	Equipment having electromechanical device for destruction of media	White white white whi	N/A
8.5.4.2.1	Safeguards and Safety Interlocks	THE STIFF WITH SPITE SE	N/A
8.5.4.2.2	Instructional safeguards against moving parts	Mr. An An	N/A
mr.	Instructional Safeguard	STEE RITER WHITE WALLE WAL	_
8.5.4.2.3	Disconnection from the supply		N/A

Page 15 of 57 Reference No.: WTX24X09214733S

Clause	Requirement – Test	Result – Remark	Verdict
Olause	Troquicitoric Tost	result remain	Verdiet
8.5.4.2.4	Probe type and force (N)	LIE WALL MALL WA	N/A
8.5.5	High Pressure Lamps	at at 1th 5th	N/A
8.5.5.1	Energy Source Classification	MUT, MUT, MUT	N/A
8.5.5.2	High Pressure Lamp Explosion Test	- TEK STEK SLIFEK	N/A
8.6	Stability	me me m	N/A
8.6.1	Product classification	TER STER WIFE OF	N/A
- LEX	Instructional Safeguard	n. m	
8.6.2	Static stability	ITER OLITER WILLER WAL	N/A
8.6.2.2	Static stability test		N/A
in in	Applied Force	antic matic vali	1 -
8.6.2.3	Downward Force Test	x at at	N/A
8.6.3	Relocation stability test	WHILE MALL MALL	N/A
A WILLER	Unit configuration during 10° tilt	it let the	ITEK IN -
8.6.4	Glass slide test	ve, me me m	N/A
8.6.5	Horizontal force test (Applied Force)	EX ITEX SITEX OUT	N/A
	Position of feet or movable parts	What is a second	
8.7	Equipment mounted to wall or ceiling	NULL NULL	N/A
8.7.1	Mounting Means (Length of screws (mm) and mounting surface)		N/A
8.7.2	Direction and applied force	211 211 211 2	N/A
8.8	Handles strength	TEK NITER WITER WA	N/A
8.8.1	Classification	- Th - Th	N/A
8.8.2	Applied Force	EK OLIFER WALTE WALTE	N/A
8.9	Wheels or casters attachment requirements		N/A
8.9.1	Classification	antie antie water	N/A
8.9.2	Applied force	at at at	Tet . —
8.10	Carts, stands and similar carriers	Vill MULL MULL M	N/A
8.10.1	General	at at set s	N/A
8.10.2	Marking and instructions	me me m	N/A
INLIE WIN	Instructional Safeguard	t TEK TEK NITEK	WILE -
8.10.3	Cart, stand or carrier loading test and compliance	the the tex	N/A
7	Applied force	were were mer a	, z <u> </u>
8.10.4	Cart, stand or carrier impact test	TEX TEX STEEL ON	N/A
8.10.5	Mechanical stability	or me m. m.	N/A
-C1 1	Applied horizontal force (N)	at the the st	

Reference No.: WTX24X09214733S Page 16 of 57

	EN 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict	
0.40.0	This was an an an	The state state in		
8.10.6	Thermoplastic temperature stability (°C)	Vr. Alex Alex Dr.	N/A	
8.11	Mounting means for rack mounted equipment	at at the se	N/A	
8.11.1	General	the murrante murrante	N/A	
8.11.2	Product Classification	t let jet jet	N/A	
8.11.3	Mechanical strength test, variable N	me me m	N/A	
8.11.4	Mechanical strength test 250N, including end stops	WHITEK WHITEK WHITEK W	N/A	
8.12	Telescoping or rod antennas	at at all s	N/A	
70.	Button/Ball diameter (mm)	the me me	n –	

9	THERMAL BURN INJURY		Р
9.2	Thermal energy source classifications	Enclosure is classed as TS1.	Pur
9.3	Safeguard against thermal energy sources	Enclosure is used as safeguard.	J P
9.4	Requirements for safeguards		N/A
9.4.1	Equipment safeguard	the state of the state of	N/A
9.4.2	Instructional safeguard	THE OLIF WILL WALL WALL	N/A

10	RADIATION		N/A
10.2	Radiation energy source classification		N/A
10.2.1	General classification	LED indicator: Classed as RS1 (Exempt Group)	N/A
10.3	Protection against laser radiation	ALTER MILL WALL WALL WALL WALL	N/A
TEN .	Laser radiation that exists equipment:	a se set set set	- 1
m m	Normal, abnormal, single-fault	the party was one one	N/A
IIE NII	Instructional safeguard	e at all the talk	_
	Tool	mer mer me me	_
10.4	Protection against visible, infrared, and UV radiation	UNLIEK WALTER WALTER WA	N/A
10.4.1	General	at at all the set is	N/A
10.4.1.a)	RS3 for Ordinary and instructed persons	THE MILE AND THE WAY	N/A
10.4.1.b)	RS3 accessible to a skilled person	et let let let sleet	N/A
CENT TE	Personal safeguard (PPE) instructional safeguard	What was the text	TEK .
10.4.1.c)	Equipment visible, IR, UV does not exceed RS1	Marie Marie Marie Marie Marie	N/A
10.4.1.d)	Normal, abnormal, single-fault conditions	ALTER MITE MILL WALL WALL WALL	N/A
10.4.1.e)	Enclosure material employed as safeguard is opaque	TER STEEL STEEL STATES SPACE	N/A

#### EN 62368-1 Requirement - Test Verdict Clause Result - Remark 10.4.1.f) UV attenuation..... N/A Materials resistant to degradation UV..... N/A 10.4.1.g) 10.4.1.h) Enclosure containment of optical radiation...... N/A N/A 10.4.1.i) Exempt Group under normal operating conditions..... 10.4.2 Instructional safeguard..... N/A 10.5 N/A Protection against x-radiation 10.5.1 X- radiation energy source that exists N/A equipment..... Normal, abnormal, single fault conditions N/A N/A Equipment safeguards..... Instructional safeguard for skilled person..... N/A 10.5.3 Most unfavourable supply voltage to give maximum radiation..... Abnormal and single-fault condition..... N/A N/A Maximum radiation (pA/kg)..... 10.6 Protection against acoustic energy sources N/A 10.6.1 General N/A 10.6.2 Classification N/A Acoustic output, dB(A)..... N/A Output voltage, unweightedr.m.s.... N/A 10.6.4 N/A Protection of persons Instructional safeguards..... N/A Equipment safeguard prevent ordinary person to RS2..... Means to actively inform user of increase sound pressure..... Equipment safeguard prevent ordinary person to RS2..... 10.6.5 Requirements for listening devices N/A (headphones, earphones, etc.) 10.6.5.1 Corded passive listening devices with analog N/A Input voltage with 94 dB(A) L<sub>Aeq</sub>acoustic pressure output..... 10.6.5.2 Corded listening devices with digital input N/A Maximum dB(A)..... 10.6.5.3 N/A Cordless listening device Maximum dB(A).....

Reference No.: WTX24X09214733S Page 18 of 57

		199 19 19 19	
LIER WIT	e with mir mir and	EN 62368-1	LIFE WIFE MILTER
Clause	Requirement – Test	Result – Remark	Verdict

В	NORMAL OPERATING CONDITION TESTS, A CONDITION TESTS AND SINGLE FAULT CO		Р
B.2	Normal Operating Conditions	IER OLITER MALTER MALTER MAL	The P
B.2.1	General requirements	(See summary of testing& appended test tables)	Р
ek milek	Audio Amplifiers and equipment with audio amplifiers	the tel tel still	N/A
B.2.3	Supply voltage and tolerances	me, me, me me	N/A
B.2.5	Input test	(See appended table B.2.5)	il Mb.
B.3	Simulated abnormal operating conditions	of the the transfer	N/A
B.3.1	General requirements	A THE STEE WITE WITE WITE	N/A
B.3.2	Covering of ventilation openings	711 21, 7	N/A
B.3.3	D.C. mains polarity test	ALTER MITE MALTE MALTE	N/A
B.3.4	Setting of voltage selector	The state of	N/A
B.3.5	Maximum load at output terminals	alter wife will will v	N/A
B.3.6	Reverse battery polarity	and the state of	N/A
B.3.7	Abnormal operating conditions as specified in Clause E.2.	THE WALL MALL WAS THE	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions	The fact which	N/A
B.4	Simulated single fault conditions	THE LIFE OUT MITE	ar Pr
B.4.2	Temperature controlling device open or short-circuited	at the the state of	N/A
B.4.3	Motor tests	The Mary May My My	N/A
B.4.3.1	Motor blocked or rotor locked increasing the internal ambient temperature	Et anifet unifet while whi	N/A
B.4.4	Short circuit of functional insulation	(See appended table B.4)	P
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.4)	Р
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	Р
B.4.4.3	Short circuit of functional insulation on coated printed boards	TER WHITE WHITE WASTE WA	N/A
B.4.5	Short circuit and interruption of electrodes in tubes and semiconductors	Whitek whitek white white	N/A
B.4.6	Short circuit or disconnect of passive components	THE WALTER WALTER	N/A
B.4.7	Continuous operation of components	a a de de	N/A
B.4.8	Class 1 and Class 2 energy sources within limits during and after single fault conditions	Will Mary Mary May on	Р

Reference No.: WTX24X09214733S Page 19 of 57

	EN 62368	3-1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
Clause	Requirement – Test	Result – Remark	Verdict
B.4.9	Battery charging under single fault conditions	Life with with water	N/A
C. E.	The United Maria Maria Maria	and the state of t	TEN STEP
С	UV RADIATION	TERMITE WALL WALL ON	N/A
C.1	Protection of materials in equipment from UV radiation	- WITER WITER WITER WITE	N/A
C.1.2	Requirements	a de de de	N/A
C.1.3	Test method	until whit will win	N/A
C.2	UV light conditioning test	at at let the	N/A
C.2.1	Test apparatus	The Maria Maria Maria	N/A
C.2.2	Mounting of test samples	the test of the states of	N/A
C.2.3	Carbon-arc light-exposure apparatus	Mr. Mr. Mr. Mr.	N/A
C.2.4	Xenon-arc light exposure apparatus	ANTER WITE WHITE WILL	N/A
D While	TEST GENERATORS	TET STEE STEE WITH	N/A
D.1	Impulse test generators	12 24	N/A
D.2	Antenna interface test generator	THE OUTER WITE WHILE AND IN	N/A
D.3	Electronic pulse generator		N/A
Et K	TEST CONDITIONS FOR EQUIPMENT CONT	AINING AUDIO AMPLIFIERS	N/A
E.1	Audio amplifier normal operating conditions	with with which was	N/A
t JEE	Audio signal voltage (V)	a of the title	J124J6
20,	Rated load impedance (Ω)	TIL MULL AND AND A	2,
E.2	Audio amplifier abnormal operating conditions	et tet tet atter	N/A
	E EX TEX LIEX MITE MALL WAS	Mr. Mr. M. M.	
F. Juni	EQUIPMENT MARKINGS, INSTRUCTIONS, A SAFEGUARDS	ND INSTRUCTIONAL	P
F.1	General requirements	et let let let let	P.C
TEK.	Instructions – Language	Instructions in English are checked	STEP STEP
F.2	Letter symbols and graphical symbols	The Will Mill Mar M	Р
F.2.1	Letter symbols according to IEC60027-1	e it it it is	I P
F.2.2	Graphic symbols IEC, ISO or manufacturer	were mer me me	Р

Р

Р

Р

Located on the enclosure surface

See copy of marking plate

**Equipment markings** 

Equipment marking locations

Manufacturer identification .....

Equipment identification markings

specific

F.3

F.3.1

F.3.2

F.3.2.1

Reference No.: WTX24X09214733S Page 20 of 57

Clause	Requirement – Test	Result – Remark	Verdict
Clause	Requirement – Test	Result – Remark	verdict
F.3.2.2	Model identification	See page 1 for details	100
F.3.3	Equipment rating markings	at at let let with	Р
F.3.3.1	Equipment with direct connection to mains	in min me me me	N/A
F.3.3.2	Equipment without direct connection to mains	See the copy of marking plate for detail.	JALIE P.
F.3.3.3	Nature of supply voltage	. See the copy of marking plate for detail.	TEK P
F.3.3.4	Rated voltage	. 3V	* <del>.</del>
F.3.3.4	Rated frequency	LIER RITE MILITURALITY WILL	71/2
F.3.3.6	Rated current or rated power	and the second	- 52
F.3.3.7	Equipment with multiple supply connections	No multiple supply connection	N/A
F.3.4	Voltage setting device	No such device	N/A
F.3.5	Terminals and operating devices	While Aut Aut Au	N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings	No mains appliance outlet	N/A
F.3.5.2	Switch position identification marking	. No switch	N/A
F.3.5.3	Replacement fuse identification and rating markings	The water water was the	N/A
F.3.5.4	Replacement battery identification marking	While while	N/A
F.3.5.5	Terminal marking location	4 pt	N/A
F.3.6	Equipment markings related to equipment classification	antil with with with w	N/A
F.3.6.1	Class I Equipment	LIER OLIER WILL MILL WAL	N/A
F.3.6.1.1	Protective earthing conductor terminal	and the state of	N/A
F.3.6.1.2	Neutral conductor terminal	ER WILL MULL MULL MULL	N/A
F.3.6.1.3	Protective bonding conductor terminals	a at at let	N/A
F.3.6.2	Class II equipment (IEC60417-5172)	write mail one one	N/A
F.3.6.2.1	Class II equipment with or without functional earth	TITEE MITTER MALTER MALTER MA	N/A
F.3.6.2.2	Class II equipment with functional earth terminal marking	TEX ITEX MITEX MITEX MEX	N/A
F.3.7	Equipment IP rating marking	IPX0, no marking is needed	10
F.3.8	External power supply output marking	A STEE STEE SALTE WALLE	N/A
F.3.9	Durability, legibility and permanence of marking	Tex lies while whiles	LIEK P
F.3.10	Test for permanence of markings	m. m. m.	Р
F.4	Instructions	ITEX STIER WITER WITER ON	Р
LIEL	a) Equipment for use in locations where children not likely to be present - marking	A B B TO THE	N/A



N/A

N/A

N/A

N/A

N/A

N/A

THE SUIT	EN 62368	1-1tt	LIE OLIE IN
Clause	Requirement – Test	Result – Remark	Verdict
MILLE	b) Instructions given for installation or initial use	LITER ONLY	THE THE TOTAL
10th	c) Equipment intended to be fastened in place	and the second	N/A
ar d	d) Equipment intended for use only in restricted access area	MILL MILL MILL	N/A
er mite	e) Audio equipment terminals classified as ES3 and other equipment with terminals marked in accordance F.3.6.1	white white white	N/A
	f) Protective earthing employed as safeguard	me me me a	N/A
white.	g) Protective earthing conductor current exceeding ES 2 limits	LIER WHITER WHITER WHI	N/A
STEK O	h) Symbols used on equipment	at all tall	N/A
all s	i) Permanently connected equipment not provided with all-pole mains switch	me me m	N/A
4 (g	j) Replaceable components or modules providing safeguard function	MULLE MULL MULL	N/A
F.5	Instructional safeguards	LITER SLITER WITE WA	JIP JP
WALTER	Where "instructional safeguard" is referenced in the test report it specifies the required elements, location of marking and/or instruction	TEX MILES MILES WILL	P.
G	COMPONENTS	THE WALLEST	P
G.1	Switches		N/A
G.1.1	General requirements	me me m	N/A
G.1.2	Ratings, endurance, spacing, maximum load	TEX STEX STEEL ON	N/A
G.2	Relays	y my my	N/A
G.2.1	General requirements	ER STER WITE WITE	N/A
G.2.2	Overload test	20 20 20	N/A
G.2.3	Relay controlling connectors supply power	OLIER MILE WALLE	N/A
G.2.4	Mains relay, modified as stated in G.2	7, 7	√ N/A

Thermal links

secure

**Protection Devices** 

indicated in a) & b)

Thermal cut-outs separately approved according to IEC 60730 with conditions

Thermal cut-outs tested as part of the

Thermal cut-off connections maintained and

equipment as indicated in c)

Thermal cut-offs

**G.3** 

&b)

G.3.1

G.3.1.1a)

G.3.1.1c)

G.3.1.2

G.3.2



EN 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
C 2 2 4 a \	Thermal links compatibly tooked with IEC	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
G.3.2.1a)	Thermal links separately tested with IEC 60691	Fr. Mr. M. M.	N/A
G.3.2.1b)	Thermal links tested as part of the equipment	TER OUTER WITE WALLE	N/A
All ST	Aging hours (H)	The state of the s	ART SEE
i 14	Single Fault Condition	WILL WILL MILL	245 - 14 - 2
EX LIER	Test Voltage (V) and Insulation Resistance (Ω).	A ST SET	TER TER
G.3.3	PTC Thermistors	MUCH MUCH MUCH M	N/A
G.3.4	Overcurrent protection devices	at at all s	N/A
G.3.5	Safeguards components not mentioned in G.3.	1 to G.3.5	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	* WHITE WHITE WHITE	N/A
G.3.5.2	Single faults conditions	at let let	N/A
G.4	Connectors	Murr Mur Mur.	N/A
G.4.1	Spacings	at the the	N/A
G.4.2	Mains connector configuration	in my my m	N/A
G.4.3	Plug is shaped that insertion into mains socket-outlets or appliance coupler is unlikely	THE WALTER WALTER WALT	N/A
G.5	Wound Components	A ST STATE	N/A
G.5.1	Wire insulation in wound components	- 1 2 m	N/A
G.5.1.2 a)	Two wires in contact inside wound component, angle between 45° and 90°	SULTE MULTE MULTER	N/A
G.5.1.2 b)	Construction subject to routine testing	A A A A	N/A
G.5.2	Endurance test on wound components	The Mary Aug May	N/A
G.5.2.1	General test requirements	et et de de	N/A
G.5.2.2	Heat run test	any and	N/A
LIE WILL	Time (s)	THE THE STEE	MITER WITE
s st	Temperature (°C)	The An An	` _ /
G.5.2.3	Wound Components supplied by mains	LIER OLIER WILL ON	N/A
G.5.3	Transformers	VI. 10, 12, 12	N/A
G.5.3.1	Requirements applied (IEC61204-7, IEC61558-1/-2, and/or IEC62368-1)	TER WILLE MULTE MULT	N/A
WELL MUE	Position	A LIFE NITER MITE	MULTE WILL
	Method of protection	14. 10. 1	ot ot-
G.5.3.2	Insulation	ALTER MATERIALITY	N/A
t Lit	Protection from displacement of windings	20 2	et et s
G.5.3.3	Overload test	NITE WALTE WALTE WA	N/A
G.5.3.3.1	Test conditions	1 4 2	N/A

Reference No.: WTX24X09214733S Page 23 of 57

Ol-	Deminerant T	D	1,
Clause	Requirement – Test	Result – Remark	Verdict
G.5.3.3.2	Winding Temperatures testing in the unit	LITER WILLER MUTER AND	N/A
G.5.3.3.3	Winding Temperatures - Alternative test method	N/A	
G.5.4	Motors		N/A
G.5.4.1	General requirements	THE WALL WILL	N/A
EX LIEX	Position		TEK TEK -
G.5.4.2	Test conditions	WHITE WHITE WHITE W	N/A
G.5.4.3	Running overload test	at at all s	N/A
G.5.4.4	Locked-rotor overload test	house the me	N/A
WILE MI	Test duration (days)	the text of the	CLIFE SINCE
G.5.4.5	Running overload test for d.c. motors in secondary circuits	A LET LET	N/A
G.5.4.5.2	Tested in the unit	MULL AND AND	N/A
INLIE .	Electric strength test (V)	the the the	IER WIELD
G.5.4.5.3	Tested on the Bench - Alternative test method; test time (h)		N/A
10	Electric strength test (V)	The man men men	70, 70,
G.5.4.6	Locked-rotor overload test for d.c. motors in secondary circuits	THE JUNITER	N/A
G.5.4.6.2	Tested in the unit		N/A
20,	Maximum Temperature	onlife will will of	N/A
LIEF.	Electric strength test (V)		N/A
G.5.4.6.3	Tested on the bench - Alternative test method; test time (h)		N/A
in in	Electric strength test (V)	TER MILITE WALL WALL	N/A
G.5.4.7	Motors with capacitors	a state	N/A
G.5.4.8	Three-phase motors	MULL MULL MULL	N/A
G.5.4.9	Series motors	at let let.	N/A
7,	Operating voltage	They were the m	
G.6	Wire Insulation	LEK LEK LIEK MIT	N/A
G.6.1	General	i m m m	N/A
G.6.2	Solvent-based enamel wiring insulation	CA LIER NIER WIFE	N/A
G.7	Mains supply cords	1/1 1/1 1/1	N/A
G.7.1	General requirements	LIER OLITER MATE	N/A
t let	Type	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	et et s
Me	Rated current (A)	WITE WALTE WALL WA	245 14
1 Elt	Cross-sectional area (mm²), (AWG)		of the the

Reference No.: WTX24X09214733S Page 24 of 57

01	EN 6236		V P. 4
Clause	Requirement – Test	Result – Remark	Verdict
G.7.2	Compliance and test method	WALLEY WALLEY WALLEY	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	SIEL WIEL MILIER MATE	N/A
G.7.3.2	Cord strain relief	A A A	N/A
G.7.3.2.1	Requirements	e antie write with	N/A
EK LIEK	Strain relief test force (N)	··· A At At	TER TER ON
G.7.3.2.2	Strain relief mechanism failure	WHITE WHEN WHE W	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm)	···· et et set s	et all the
G.7.3.2.4	Strain relief comprised of polymeric material	Miss me me me	N/A
G.7.4	Cord Entry		N/A
G.7.5	Non-detachable cord bend protection	i mi mi	N/A
G.7.5.1	Requirements	if the the street street.	N/A
G.7.5.2	Mass (g)	44. 44. 44.	A St -1
mr.	Diameter (m)	LIEK SLIEK UNLIE UN	in me mi
Att.	Temperature (°C)		y
G.7.6	Supply wiring space	NIET WITE WALL WALL	N/A
G.7.6.2			N/A
G.7.6.2.1	Test with 8 mm strand	it and a second	N/A
G.8	Varistors		N/A
G.8.1	General requirements	antit mer mer m	N/A
G.8.2	Safeguard against shock	LEK TEK TEK ST	N/A
G.8.3	Safeguard against fire	Wer Mer Mr. Mr.	N/A
G.8.3.2	Varistor overload test	et stet stet ste	N/A
G.8.3.3	Temporary overvoltage	14	N/A
G.9	Integrated Circuit (IC) Current Limiters	et tiet atter mile	N/A
G.9.1 a)	Manufacturer defines limit at max. 5A.	4 4	N/A
G.9.1 b)	Limiters do not have manual operator or reset	alies wife while we	N/A
G.9.1 c)	Supply source does not exceed 250 VA		gt All Sale
G.9.1 d)	IC limiter output current (max. 5A)	TENNITE WILL WILL	ne ni
G.9.1 e)	Manufacturers' defined drift		CER CER
G.9.2	Test Program 1	I MULL MALL WAY	N/A
G.9.3	Test Program 2	st let let let	N/A
G.9.4	Test Program 3	Mur Mur Mur a	N/A
G.10	Resistors	tet tet stet si	N/A
G.10.1	General requirements	are my my my	N/A
G.10.2	Resistor test	the the time the	N/A



Page 25 of 57 Reference No.: WTX24X09214733S

Clause	Requirement – Test	Result – Remark	Verdict
Clause	requirement – rest	Tresuit - Tremain	Verdict
G.10.3	Test for resistors serving as safeguards between the mains and an external circuit consisting of a coaxial cable		N/A
G.10.3.1	General requirements		N/A
G.10.3.2	Voltage surge test	- LIEF ALTER WILL MILE	N/A
G.10.3.3	Impulse test	m m m	N/A
G.11	Capacitor and RC units	STER THE MITTER WALTER	N/A
G.11.1	General requirements		N/A
G.11.2	Conditioning of capacitors and RC units	LIER WILL MUTE AND AND	N/A
G.11.3	Rules for selecting capacitors	and the state of	N/A
G.12	Optocouplers	ET WITE WALL WALL WALL WALL	N/A
ITEK WALTE	Optocouplers comply with IEC 60747-5-5:2007 Spacing or Electric Strength Test (specify option and test results)	Whitek whitek whitek whitek	N/A
	Type test voltage Vini	THE LITER NATIONALISM IN	William March
	Routine test voltage, Vini,b	h m m	A 78
G.13	Printed boards		W P
G.13.1	General requirements Approved Printed board used		↓ ∠P
G.13.2	Uncoated printed boards		Р
G.13.3	Coated printed boards		N/A
G.13.4	Insulation between conductors on the same inner surface	white will was wine	N/A
21/12 Z	Compliance with cemented joint requirements (Specify construction)	THE MILLER MULTER MILLER ON	
G.13.5	Insulation between conductors on different surfaces	EX WHITEX WHITEX WHITEM WHI	N/A
LIER WILLE	Distance through insulation	The fift the time	N/A
	Number of insulation layers (pcs)	Tex sifex sitex with	in iek <u>-</u>
G.13.6	Tests on coated printed boards	n. 2n. 2n. 2n	N/A
G.13.6.1	Sample preparation and preliminary inspection	TER OUTER MALTER MALTER MA	N/A
G.13.6.2a)	Thermal conditioning	. "	N/A
G.13.6.2b)	Electric strength test	MALLE WALL WALL WALL	N/A
G.13.6.2c)	Abrasion resistance test	t at at at	N/A
G.14	Coating on components terminals	White Murit Muri Muri	N/A
G.14.1	Requirements	at at let let	N/A
G.15	Liquid filled components	with much and and a	N/A
G.15.1	General requirements		N/A

Page 26 of 57 Reference No.: WTX24X09214733S

ic will	EN 62368	-1 At At At	alter out on
Clause	Requirement – Test	Result – Remark	Verdict
G.15.2	Requirements	LIET OLIER WILER	N/A
G.15.3	Compliance and test methods		N/A
G.15.3.1	Hydrostatic pressure test	THE WILL MUTE MUTT	N/A
G.15.3.2	Creep resistance test	at at all	N/A
G.15.3.3	Tubing and fittings compatibility test	Mr. Mr. Mr.	N/A
G.15.3.4	Vibration test	at let let	N/A
G.15.3.5	Thermal cycling test	Mury Mur Mur A	N/A
G.15.3.6	Force test	Alt Alt Will ST	N/A
G.15.4	Compliance	r mr mr m	N/A
G.16	IC including capacitor discharge function (IC	CX)	N/A
a) -	Humidity treatment in accordance with sc5.4.8 – 120 hours	TEX STEX STEX	N/A
b)	Impulse test using circuit 2 with Uc = to transient voltage	of let let	N/A
C1)	Application of ac voltage at 110% of rated voltage for 2.5 minutes		N/A
C2)	Test voltage		in in
D1)	10,000 cycles on and off using capacitor with smallest capacitance resistor with largest resistance specified by manufacturer		N/A
D2)	Capacitance	The The William	NITE WILL WA
D3)	Resistance	111 211 211	* * -
Mrs.	N MI THE LET	THE STEE STEEL STATE	it with which
H et	CRITERIA FOR TELEPHONE RINGING SIGN	ALS	N/A
H.1	General	EF WILL MUILL MILLE	N/A
H.2	Method A	a at at	N/A
H.3	Method B	WALLE WALL WALL	N/A
H.3.1	Ringing signal	at at at	N/A
H.3.1.1	Frequency (Hz)	Will Mary Mary M	$a_{ij}$ , $a_{ij}$
H.3.1.2	Voltage (V)		ek mile melle
H.3.1.3	Cadence; time (s) and voltage (V)	m m m	
H.3.1.4	Single fault current (mA):	A LIER STEE STEE	MILIE MILIE
H.3.2	Tripping device and monitoring voltage	70, 70, 2,	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage complied with		N/A
H.3.2.2	Tripping device	TER LIER ALTER OF	N/A
H.3.2.3	Monitoring voltage (V)	V. M. M. M. M.	

Reference No.: WTX24X09214733S Page 27 of 57

1 (01010110	0 110:: W 17/2 17/0021 11 000	1 ago 27 of 07	
LIER INL	is with must must must any	EN 62368-1	LIER MITE WALTE
Clause	Requirement – Test	Result – Remark	Verdict

JUNITER	INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION	N/A
. et	General requirements	N/A
10, 10,	THE WILL SHEET SEE NITE WILL WHILL WHILL SHEET	12, 1
K <	SAFETY INTERLOCKS	
K.1	General requirements	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
40	Compliance	N/A
K.6	Mechanically operated safety interlocks	N/A
K.6.1	Endurance requirement	N/A
K.6.2	Compliance and Test method	N/A
K.7	Interlock circuit isolation	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements (type and circuit location)	
K.7.2	Overload test, Current (A)	N/A
K.7.3	Endurance test	N/A
K.7.4	Electric strength test	N/A
LITER	ni et unit unit unit unit un it i i i i i i i i i i i i i i i i i i	CLIFER
Γ ,	DISCONNECT DEVICES	N/A
L.1	General requirements	N/A
L.2	Permanently connected equipment	N/A
L.3	Parts that remain energized	N/A
L.4	Single phase equipment	N/A
L.5	Three-phase equipment	N/A
L.6	Switches as disconnect devices	N/A
L.7	Plugs as disconnect devices	N/A
L.8	Multiple power sources	N/A
- m		
M JE	EQUIPMENT CONTAINING BATTERIES AND THEIR PROTECTION CIRCUITS	P
M.1	General requirements	Р

Page 28 of 57

Reference No.: WTX24X09214733S

Olav	EN 62368		1 1
Clause	Requirement – Test	Result – Remark	Verdict
M.2.1	Requirements	STIFE NOTE MULLER MUL	Р
M.2.2	Compliance and test method (identify method).	a a at at	P
M.3	Protection circuits	in with my my	Р
M.3.1	Requirements	- et set set	TIE TE
M.3.2	Tests	me me me.	Р
et with	- Overcharging of a rechargeable battery	TEX STEX STEX O	N/A
NITEK 1	- Unintentional charging of a non-rechargeable battery	or or or	N/A
10. 2	- Reverse charging of a rechargeable battery	ice much my me	N/A
NITE NAT	- Excessive discharging rate for any battery	et let liet liet	NI P
M.3.3	Compliance	me me m	Р
M.4	Additional safeguards for equipment containing secondary lithium battery	WALTER WALTER WALTER	N/A
M.4.1	General	at at At .	N/A
M.4.2	Charging safeguards	Will Mer Mr. Mr.	N/A
M.4.2.1	Charging operating limits	et let let lift	N/A
M.4.2.2a)	Charging voltage, current and temperature		W 4 0
M.4.2.2 b)	Single faults in charging circuitry	ALL AND STATE	JALIE JALIE
M.4.3	Fire Enclosure	3 7 7	N/A
M.4.4	.4 Endurance of equipment containing a secondary lithium battery		N/A
M.4.4.2	Preparation	TEK TEK TEK KI	N/A
M.4.4.3	Drop and charge/discharge function tests	er, 24, 24, 25	N/A
WILL MA	Drop	Et JET ALTER MITE	N/A
J+ 16	Charge	211 211 21	N/A
in the	Discharge	STEE NITER SPITE	N/A
M.4.4.4	Charge-discharge cycle test	20 20 3	N/A
M.4.4.5	Result of charge-discharge cycle test	SLIFE WIFE WITE W	N/A
M.5	Risk of burn due to short circuit during carrying	Tet tret still south	N/A
M.5.1	Requirement	211 121 1	N/A
M.5.2	Compliance and Test Method (Test of P.2.3)	ALTER WITE WALTE	N/A
M.6	Prevention of short circuits and protection from other effects of electric current	THE LIFE SLIEF	N/A
M.6.1	Short circuits	My My M	N/A
M.6.1.1	General requirements	THE STEE STEE SAN	N/A
M.6.1.2	Test method to simulate an internal fault	1. 14. 2. 2. 2.	N/A

N/A

	EN 62368	-1 pt 10t 10th 10th	
Clause	Requirement – Test	Result – Remark	Verdict
M.6.1.3	Compliance (Specify M.6.1.2 or alternative method)	SITE WILL MILLER MITTER WILL	N/A
M.6.2	Leakage current (mA)	IER OLIER WALLE WALLE	N/A
M.7	Risk of explosion from lead acid and NiCd batteries	- Tex street whitek	N/A
M.7.1	Ventilation preventing explosive gas concentration	the text step with a	N/A
M.7.2	Compliance and test method	me me me me	N/A
M.8	Protection against internal ignition from external spark sources of lead acid batteries	LIEX WHITEK WHITEK WHITEK WHIT	N/A
M.8.1	General requirements	at left the street	N/A
M.8.2	Test method	me me m	N/A
M.8.2.1	General requirements	THE THE LIFE LITTER	N/A
M.8.2.2	Estimation of hypothetical volume Vz (m³/s)	Mur Aug Mr. Aug	L =
M.8.2.3	Correction factors	TER THE STEE SLITE ON	The Market
M.8.2.4	Calculation of distance d (mm)	he me me	_
M.9	Preventing electrolyte spillage	TEX STER STER WITE WITE WITE	N/A
M.9.1	Protection from electrolyte spillage	The state of the s	N/A
M.9.2	Tray for preventing electrolyte spillage	anti wati	N/A
M.10	Instructions to prevent reasonably foreseeable misuse (Determination of compliance: inspection, data review; or abnormal testing)	Mentioned in battery specification	THE P
CLIFE	WILL MULL MULL MILL MILL	at all all safet and	The sold
N	ELECTROCHEMICAL POTENTIALS	VII. ME ME ME ME	N/A
WITE OF	Metal(s) used	ER TER LIER NITES WITE	MLITE
,	e the the liter with which whi	Mr. Mr. Mr.	_t
O SIL	MEASUREMENT OF CREEPAGE DISTANCE	S AND CLEARANCES	N/A
y 18	Figures O.1 to O.20 of this Annex applied	Considered	Jt -
Mic	in the the	alter outer outer outer out	in an
P LIEK	SAFEGUARDS AGAINST ENTRY OF FOREIGN	ON OBJECTS AND SPILLAGE OF	N/A
P.1	General requirements		N/A
P.2.2	Safeguards against entry of foreign object	* ALTER MITE WALL WALL	N/A
et de	Location and Dimensions (mm)	The state of the s	All -
P.2.3	Safeguard against the consequences of entry of foreign object	MULTER MULTER MULTER MULTER M	N/A
P.2.3.1	Safeguards against the entry of a foreign object	HITEK WHITEK WHITE WHITE WH	N/A
.00		1 1 1 1	1 49

Openings in transportable equipment

Page 30 of 57

Reference No.: WTX24X09214733S

ITER INLI	e while must me my	EN 62368-1	SLIER WILLE WALTE
Clause	Requirement – Test	Result – Remark	Verdict

Clause	Trequirement – Test	INESUIT - INEITIAIN	Verdict
- Ch	Transportable equipment with metalized plastic parts	a street white white w	N/A
P.2.3.2	Openings in transportable equipment in relation to metallized parts of a barrier or enclosure (identification of supplementary safeguard)		N/A
P.3	Safeguards against spillage of internal liquids	Safeguards against spillage of internal liquids	
P.3.1	General requirements	THE WALTE WALL WALL	N/A
P.3.2	Determination of spillage consequences	a at the tit	N/A
P.3.3	Spillage safeguards	WILL WILL MUST ME AN	N/A
P.3.4	Safeguards effectiveness	at the fift of	N/A
P.4	Metallized coatings and adhesive securing parts	THE THE THE	N/A
P.4.2 a)	Conditioning testing	WILL MILL MILL MILL	N/A
t Little	Tc (°C)	. I st set set	Jet Je
1,,	Tr (°C)	with military and and	2
. CLIER OF	Ta (°C)	at let let little	76 N.TE
P.4.2 b)	Abrasion testing	The Mary Mary And And	N/A
P.4.2 c)	Mechanical strength testing	a de la contra mult	N/A
Q UNIT	CIRCUITS INTENDED FOR INTERCONNECTION WITH BUILDING WIRING		N/A
Q.1	Limited power sources	W. A. A. A.	N/A
Q.1.1 a)	Inherently limited output	LIER RETER NATION	N/A
Q.1.1 b)	Impedance limited output		N/A
ilek wil	- Regulating network limited output under normal operating and simulated single fault condition	the state of the s	N/A
Q.1.1 c)	Overcurrent protective device limited output	mer my my my	N/A
Q.1.1 d)	IC current limiter complying with G.9	TER TER STER WITE	N/A
Q.1.2	Compliance and test method	"he he he	N/A
Q.2	Test for external circuits – paired conductor cable	PITER WHITER WHITE WHITE WA	N/A
VILLE MA	Maximum output current (A)	t tet tet stet stet st	WITE W
JL 2	Current limiting method	" My My My My	
ic with	was an an the	t the site with white	were me
R	LIMITED SHORT CIRCUIT TEST		N/A
R.1	General requirements		N/A
R.2	Determination of the overcurrent protective device and circuit		N/A

Page 31 of 57

Reference No.: WTX24X09214733S Page

EN 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
R.3	Test method Supply voltage (V) and short-circuit current (A)).	MITE WALLEY WALLEY WAS	N/A
are a	P W W	VER NITER WITE WITE	me me
S	TESTS FOR RESISTANCE TO HEAT AND FI	RE	N/A
S.1	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W		N/A
~ ~	Samples, material	"his me me m	
JALIE .	Wall thickness (mm)	THE THE STILL OUT	ET WILL WOLL
J.	Conditioning (°C)	he me me	
الماريخ المال	Test flame according to IEC 60695-11-5 with conditions as set out	Fet white white white	N/A
ite mit	- Material not consumed completely	the state with	N/A
الحار الم	- Material extinguishes within 30s	The My In	N/A
Merca	- No burning of layer or wrapping tissue	LIEK ALTER WATER AND	N/A
S.2	Flammability test for fire enclosure and fire barrier integrity		N/A
`	Samples, material	3. Mr. Mr. Mr.	- L 7#
لارزو المالار	Wall thickness (mm)	. Let / Lite	mer mer -
et de	Conditioning (°C)		
r we	Test flame according to IEC 60695-11-5 with conditions as set out	White white white ou	N/A
MULL	Test specimen does not show any additional hole	VITER WHITER WHITER WHI	N/A
S.3	Flammability test for the bottom of a fire enclosure	CEL INCTER WALTER WALTER	N/A
J <sup>ek</sup> "i	Samples, material	in the set	TEK STEK
72,	Wall thickness (mm)	white me were	1, 1, 2
E INCTE	Cheesecloth did not ignite	at the set of	N/A
S.4	Flammability classification of materials	mr. mr. m. m.	N/A
S.5	Flammability test for fire enclosure materials of equipment with a steady-state power exceeding 4000 W	TER WHITER WATER WHITE	N/A

N/A

conditions as set out

Samples, material.....

Wall thickness (mm)....

Conditioning (test condition), (°C)...

Test flame according to IEC 60695-11-20 with

Page 32 of 57

Reference No.: WTX24X09214733S

1 (010101100	1 age 02 01 01		
LIER INLI	anti with my my	EN 62368-1	LIER MLIER MALT
Clause	Requirement – Test	Result – Remark	Verdict

Clause	Requirement – Test	Result – Remark	Verdict
CII CII C	After every test specimen was not consumed	The state of the state of	N/A
	completely	by the the same	IN/A
ener en	After fifth flame application, flame extinguished within 1 min	THE WALTER WALTE WALLE W	N/A
وزر مسرو	The me in the	ties sites mite unit	Anti N
J. 18	MECHANICAL STRENGTH TESTS	20, 21, 2, 2	P
T.1	General requirements	TIER WILL WILL MATE	n P
T.2	Steady force test, 10 N	(see appended table T2)	N/A
T.3	Steady force test, 30 N	LIFE MITEL MILITE WALLY	N/A
T.4	Steady force test, 100 N	and the state of	N/A
T.5	Steady force test, 250 N	See appended table T.5)	Р
T.6	Enclosure impact test	See appended table T.6)	P
20,	Fall test	WALL MALL MALL MALL MAR	Р
* WITE	Swing test	Let Let Let Liet Liet	P.
T.7	Drop test	We Ave Ave and	N/A
T.8	Stress relief test	. (See appended table T.8)	JI P
T.9	Impact Test (glass)	No glass used	N/A
T.9.1	General requirements	Marie Wal	N/A
T.9.2	Impact test and compliance		N/A
14,	Impact energy (J)	write mer me me	10 70
N.L.T.E.	Height (m)	at alt all all	11 th 11 11
T.10	Glass fragmentation test	The Mary And And And I	N/A
T.11	Test for telescoping or rod antennas	Et TEX STEX STEE	N/A
<i>S</i> 3	Torque value (Nm)	The state of	et set
U NITER	MECHANICAL STRENGTH OF CATHODE RA PROTECTION AGAINST THE EFECTS OF IMI		N/A
U.1	General requirements	TO SOLUTION TO THE THE	N/A
U.2	Compliance and test method for non-	List NICH WILL WILL	N/A N/A
U.Z	intrinsically protected CRTs		IN/A
U.3	Protective Screen	MALL WALL WALL WALL WAS	N/A
TEN TE	mit with whit will will be	A A A S	F JEF C
V THE	DETERMINATION OF ACCESSIBLE PARTS (WEDGES)	FINGERS, PROBES AND	N/A
V.1	Accessible parts of equipment	ALTER MITE WALLE	N/A
V.2	Accessible part criterion		N/A

Reference No.: WTX24X09214733S Page 33 of 57

JEK NIE	WILL WALLE WALL	IEC62368_1 - ATT	ACHMENT	LIFE OLIVER MITTE
Clause	Requirement – Test	TER LIER MITTE	Result – Remark	Verdict

# ATTACHMENT TO TEST REPORT IEC 62368-1 EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

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

**Differences according to** .....: EN 62368-1:2014+A11:2017

Attachment Form No. .....: EU\_GD\_IEC62368\_1D\_II

Attachment Originator ...... Nemko AS

Master Attachment.....: Date 2021-02-04

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	CENELEC (	COMMON MC	DIFICATION	ONS (EN)			- 2	
TER WILTE		bclauses, note 62368-1:2014		igures and anne ed "Z".	xes which ar	e additional to	312	P
CONTENT	Annex ZA (n correspondin Annex ZB (n Annex ZC (in	ng European p normative)Spe nformative)A-c	mative refe publications cial nationa deviations		Wifek and		an ie	WALTER WALTER
LITE WALL		ne "country" r o the followin		e reference do	cument (IEC	62368-1:2014)	.01	Р
	0.2.1	Note	1	Note 3	4.1.15	Note	W.E	
	4.7.3	Note 1 and 2	5.2.2.2	Note	5.4.2.3.2.2 Table 13	Note c	NLT EN	
	5.4.2.3.2.4	Note 1 and 3	5.4.2.5	Note 2	5.4.5.1	Note		
	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3	1	
	5.7.5	Note	5.7.6.1	Note 1 and 2	10.2.1 Table 39	Note 2, 3 and 4	, in	
	10.5.3	Note 2	10.6.2.1	Note 3	F.3.3.6	Note 3	UN LIV	
SLITEK O	For special	national con	ditions, se	e Annex ZB.	, d	TEX JEX.	CT EX	C. T. E.
VILLER MUT		use of certain sub oment is restricted			White white	A MUTER MUT	E# 21	N/A



Reference No.: WTX24X09214733S Page 34 of 57

7 E. W. L.	IEC62	2368_1 - ATTACHMENT	alter with an
Clause	Requirement – Test	Result – Remark	Verdict

4.Z1	Add the following new subclause after 4.9:	alie while when when wh	N/A
	To protect against excessive current, short-circuits and earth faults in circuits connected to an a.c. <b>mains</b> , 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;	SEX WHITEX WHITE	
	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;	A MATER MATER MATER MATER	
	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.	NATER WHITER WHITER WHITER WHITE	
nt whitek	If reliance is placed on protection in the building installation, the installation instructions shall so state, except that for <b>pluggable equipment type A</b> the building installation shall be regarded as providing protection in accordance with the rating of the wall socket outlet.	divite antity white and the	anne v
5.4.2.3.2.4	Add the following to the end of this subclause:	No connection to external circuit.	N/A
MALTER WA	The requirement for interconnection with external circuit is in addition given in EN 50491-3:2009.	Et WRITER WRITER WRITER WRITER	WILLER
10.2.1	Add the following to <sup>c)</sup> and <sup>d)</sup> in table 39: For additional requirements, see 10.5.1.	No radiation.	N/A

Reference	No.: WTX24X09214733S Page	35 of 57	
TER INT	IEC62368_1	- ATTACHMENT	alter mile uni
Clause	Requirement – Test	Result – Remark	Verdict
15 Th	The state of the same of the same of		THE STATE OF THE
10.5.1	Add the following after the first paragraph:	Added.	N/A

Clause	Requirement – Test	Result – Remark	Verdict
10.5.1	Add the following after the first paragraph: For RS 1 compliance is checked by measurement under the following conditions:	Added.	N/A
ALTEK WAL	In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or presets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made.	united whited whited	porties and the and the
12, 1	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.	The Mile Mar Mar	411.
NALTER 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.	A ANTER ANTIER ANTIER	White White W
ek unitek unitek	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.	while while while wh	TEX JUN TEX JUNGTER
WAL V	For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level.  NOTE Z2 These values appear in Directive 96/29/Euratom	TER WALTE WALTE WALL	Will Willet W
10.6.1	of 13 May 1996.  Add the following paragraph to the end of the	Added.	N/A
t int	subclause: EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	White White White W	ate water water
10.Z1	Add the following new subclause after 10.6.5.	LIET WILL WILL WILL	N/A
INLIEK N	10.Z1 Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz	et ret ret vret	. THE WIFE W
trek whi	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).	Whitek whitek whitek	INTER MITTER MINTE
	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 hand-held and body-mounted devices, attention is drawn to EN 50360 and EN 50566	TEK WHITEK WHITEK WAITEK	Whitek Whitek
G.7.1	Add the following note:  NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in Annex ZD.	Added.	N/A

Page 36 of 57



11010101100	110 11 1712 1710021 11 000	. age so si		
LIE MIT	White Must Must	IEC62368_1 - ATT	ACHMENT	SLIER WILLE WHITE
Clause	Requirement – Test	THE STEE WATER	Result – Remark	Verdict

+ +			
Dikii-	Add the following standards:	N/A	
Bibliograph y			
CLITE NA	Add the following notes for the standards indicated:  IEC 60130-9  NOTE Harmonized as EN 60130-9.	ie antie a	
	IEC 60269-2 NOTE Harmonized as EN 60130-9.		
	IEC 60309-1 NOTE Harmonized as RD 60209-2.	- LIFE M	
		21, 21,	
		18t 56	
	IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4.  IEC 60664-5 NOTE Harmonized as EN 60664-5.	Mr. Mr.	
		at at	
	IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified).  IEC 61508-1 NOTE Harmonized as EN 61508-1.	IL MALL	
	IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1. IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4.	A STILL OF	
		20, 20	
		JEK S	
		They are	
	25 26 27 37	J 18	
		With Mark	
	IEC 61643-321 NOTE Harmonized as EN 61643-321.		
	IEC 61643-331 NOTE Harmonized as EN 61643-331.	A TOTAL OF	
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)	70 7	
4.1.15	Denmark, Finland, Norway and Sweden	N/A	
	To the end of the subclause the following is added:	21, 11,	
	Class I pluggable equipment type A intended	MALIER MALIE	
	for connection to other equipment or a network shall, if safety relies on connection to reliable		
	earthing or if surge suppressors are connected	SEE WITE	
	between the network terminals and accessible	(3)	
	parts, have a marking stating that the	at the	
	equipment shall be connected to an earthed  mains socket-outlet.	21/2 -21	
	The marking text in the applicable countries		
	shall be as follows:	with and	
	In <b>Denmark</b> : "Apparatetsstikpropskaltilsluttes		
	en stikkontakt med jordsom giver	WITE WITE	
	forbindelsetilstikproppensjord."		
	In <b>Finland</b> : "Laite on liitettäväsuojakoskettimillavarustettuunpistorasi	IT'S MALTER	
	aan"		
	In Norway:	× 1100	
	(( A A - A A - A		
	"Apparatetmåtilkoplesjordetstikkontakt" In <b>Sweden</b> : "Apparatenskallanslutas till	21/2 - 211	

Reference No.: WTX24X09214733S Page 37 of 57

part shall be assessed to the relevant clauses of BS 1363. Also see Annex G.4.2 of this annex

After the 2<sup>nd</sup> paragraph add the following: A warning (marking **safeguard**) for high **touch current** is required if the **touch current** exceeds the limits of 3,5 Ma a.c. or 10 Ma d.c.

Denmark

5.2.2.2

1 (CICICIICC	1 age 37	01 07				
IEC62368_1 - ATTACHMENT						
Clause	Requirement – Test	Result – Remark	Verdict			
4.7.3	United Kingdom	LIET MILITANIES WALTER	N/A			
MALTER	To the end of the subclause the following is added:	BET THE STIER WITH AN	LIE WILLER			
JEH N	The torque test is performed using a socket- outlet complying with BS 1363, and the plug	n was all all a	et stret at			

No high touch current measured.

N/A



Reference No.: WTX24X09214733S Page 38 of 57

11010101100	110 11 17.12 17.002 1 11.000	r age ee e.	. Co		
IEC62368_1 - ATTACHMENT					
Clause	Requirement – Test	TER LIER WALL	Result – Remark	Verdict	

Clause	Requirement – rest	Result – Remark	verdict
	nett with which will all	at the title of	TE STE
5.4.11.1 and Annex G	Finland and Sweden To the end of the subclause the following is added:	No connection to such network.	N/A
	For separation of the telecommunication network from earth the following is applicable:	with the text text	STEK ST
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	white white with white	LIET WITE
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	The ties often war and a	TEX MALTER
	• one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	et with white white white	MUTTER M
	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 w	onlike violit
	• 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), and	Multer whites	MULTER MAI
	• is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5Kv.	united white white will w	let Wilet
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	ate ancie ancie and an	ANLIEK W
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	THE NATE OF THE WILLIAM	UNITEK WALT
	• 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;	Writer whiter writer w	TEX WILLER
	• the additional testing shall be performed on all the test specimens as described in EN 60384- 14;	t fet tet tret are	JULIER NA
	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.	MULTER MULTER MULTER MULTER	NATER WALF

Page 39 of 57

Reference No.: WTX24X09214733S

		70 Jug- 37 51 51 71	
I FER INLI	White Muri Mur.	IEC62368_1 - ATTACHMENT	ALTER MALE MALE
Clause	Requirement – Test	Result – Remark	Verdict

<del> </del>		3	
5.5.2.1	Norway	LIFE MILE WALTER WATER	N/A
20th	After the 3 <sup>rd</sup> paragraph the following is added:	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 10 E
	Due to the IT power system used, capacitors	TEX RETER WALTER WALTER	Mer aver
	are required to be rated for the applicable line-to-line voltage (230 V).	- At let let .	ITEK NITEK
5.5.6	Finland, Norway and Sweden	No such resistor used.	N/A
	To the end of the subclause the following is added:	ALTER WILLER WALTER WALT	EK ON LIEB ON
WALTER O	Resistors used as <b>basic safeguard</b> or bridging <b>basic insulation</b> in <b>class I pluggable equipmenttype A</b> shall comply with G.10.1 and the test of G.10.2.	LITER WALTER WALTER	MILE MILE
5.6.1	Denmark	Added.	N/A
	Add to the end of the subclause	10 20	at at
	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.	NUTER WALTER WALTER WALTER	t was text was
ung. In	Justification: In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	it white white will the	My My
5.6.4.2.1	Ireland and United Kingdom	Added.	N/A
	After the indent for <b>pluggable equipment type A</b> , the following is added:	atte with while wall	EK WITER W
MULTER V	<ul> <li>the protective current rating is taken to be 13 A, this being the largest rating of fuse used in the mains plug.</li> </ul>	LIET MILET MILES MILES	whitek whit
5.6.5.1	To the second paragraph the following is added:	Et still still still	N/A
	The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is:	MULTER MULTER MULTER MU	TEK MITEK
MILL	1,25 mm <sup>2</sup> to 1,5 mm <sup>2</sup> in cross-sectional area.	THE THE STIFF WIT	an it is an
5.7.5	Denmark	11. 21. 24. 2.	N/A
	To the end of the subclause the following is added:	TEK WATER WATER WALTER	MULT MULT
	The installation instruction shall be affixed to the equipment if the <b>protective conductor current</b> exceeds the limits of 3,5 Ma a.c. or 10 Ma d.c.	* WHITEK WHITEK WHITEK	NITER WAITER



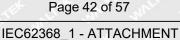
11010101100	110.1.11.12.11.0021.11.003	1 490 10 01				
LIE MIT	IEC62368_1 - ATTACHMENT					
Clause	Requirement – Test	CIER STEE WATER	Result – Remark	Verdict		

Clause	Requirement – Test	Result – Remark	verdict
5 50	all the the the	at the title of	The Late
5.7.6.1	Norway and Sweden  To the end of the subclause the following is added: The screen of the television distribution system is normally not earthed at the entrance	TEX WITEX MUTEX MUTEX MUTEX	N/A
	of the building and there is normally no equipotential bonding system within the	BUTER WHITER WHITER	anlitek an
	building. Therefore the protective earthing of the building installation needs to be isolated from the screen of a cable distribution system.It	TIFE WITER WITER WITER	LIEK WAL
	is however accepted to provide the insulation external to the equipment by an adapter or an interconnection cable with galvanic isolator,	THE STEEL WITH MATER AND	SEX MUTLER
	which may be provided by a retailer, for example. The user manual shall then have the following or similar information in Norwegian	A LIER WILLER WILLER	WALTER
	and Swedish language respectively, depending on in what country the equipment is intended to be used in: "Apparatus connected to the	TEK TEK TEK KITEK	NITEK WA
	protective earthing of the building installation through the mains connection or through other	And the tex tex	JEK MIT
	apparatus with a connection to protective earthing – and to a television distribution system using coaxial cable, may in some	net whi with with all	t sites
	circumstances create a fire hazard. Connection to a television distribution system therefore has to be provided through a device providing	it white white white whi	TEX.
	electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11)"	a function with	Wer A
	NOTE In Norway, due to regulation for CATV-installations, and in Sweden, a galvanic isolator shall provide electrical insulation below 5 MHz. The insulation shall withstand a dielectric strength of 1,5 Kv r.m.s., 50 Hz or 60 Hz, for 1 min.Translation to Norwegian (the Swedish text will also be accepted in Norway):	antifer white white antifer an	EK WATE
	"Apparatersomerkoplettilbeskyttelsesjord via nettpluggog/eller via annetjordtilkopletutstyr – ogertilkoplet et koaksialbasertkabel-TV nett,	EX MULTEX MULTER MULTER MULTER	WALTER
	kanforårsakebrannfare. For å unngådetteskaldetvedtilkoplingavapparatertilka bel-TV nettinstalleres en galvanisk isolator	MILITER MILITER MILITER MILITER	M <sup>riter</sup> W
	mellomapparatetogkabel-TV nettet."Translation toSwedish:"Apparatersomärkopplad till skyddsjord via jordatvägguttagoch/eller via annanutrustningochsamtidigtärkopplad till	INLIER WHITE WHITE WHITE W	ite uni H stiel
	kabel-TV nätkan i isa fall medfőra risk főr brand. Főrattundvikadettaskall vid anslutningavapparaten till kabel-TV nätgalvanisk isolator	the mitted with mit with	WALTER
	finnasmellanapparatenochkabel-TV nätet.".	The Mr In In	- t



	IEC62368_1 - ATT	ACHMENT	
Clause	Requirement – Test	Result – Remark	Verdict
S. Jee	with their war and and	a state of	the There will
5.7.6.2	Denmark  To the end of the subclause the following is added:  The warning (marking safeguard) for high touch current is required if the touch current or the protective current exceed the limits of 3,5 Ma.	EX WHITEX WHITEX WHITEX	N/A
B.3.1 and	Ireland and United Kingdom	7, 7	N/A
B.4	The following is applicable:	THE LIEF STIES OF	The Will My
WALTER WALTE	To protect against excessive currents and short-circuits in the primary circuit of <b>direct plug-in equipment</b> , tests according to Annexes B.3.1 and B.4 shall be conducted using an external miniature circuit breaker complying with EN 60898-1, Type B, rated 32A. If the equipment does not pass these tests, suitable protective devices shall be included as an integral part of the <b>direct plug-in equipment</b> , until the requirements of Annexes B.3.1 and B.4 are met	TEK TEK TEK N	AND AND THE WALTER
G.4.2	Denmark	We are an an	N/A
	To the end of the subclause the following is	et let let all	MLTE MALTE
	added: Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011. CLASS I EQUIPMENT provided with socket-outlets with earth contacts or which are intended to be used	CLIEB ARTE MALIE	unitek unitek un
	in locations where protection against indirect contact is required according to the wiring rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	LIET MILIER MILIER MILI	ex marter marte
	If a single-phase equipment having a RATED CURRENT exceeding 13 A or if a poly-phase equipment is provided with a supply cord with a plug, this plug shall be in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN 60309-2.	EX MILIER MILIER MILIER	White Whitek
	Mains socket outlets intended for providing power to Class II apparatus with a rated current of 2,5 A shall be in accordance DS 60884-2-D1:2011 standard sheet DKA 1-4a.	Writes mures mures on	TEK UN TEK UNT
	Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c.	The mit will will	MAR MAR
	Mains socket-outlets with earth shall be in compliance with DS 60884-2-D1:2011 Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-5a or DK 1-7a	White white white	aries a sires an

Justification: Heavy Current Regulations, Section 6c



Reference No.: WTX24X09214733S Page 42 of 57

Clause	Requirement – Test	Result – Remark	Verdict
- 111-11-	with the the the	The car seek as	
G.4.2	United Kingdom  To the end of the subclause the following is added:	et let rilet with	N/A
	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.	JANUAL WALLEY	UNLIEK UNLIEK VINLISK VINLISK
G.7.1	United Kingdom	e at at at	N/A
	To the first paragraph the following is added:	See antie white white	2115
	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.	untick whitek whitek was	ALTER ALTER SI
	NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	the life with the	NUTER INSTER
G.7.1	Ireland	2 2	N/A
	To the first paragraph the following is added:		LIER STEEL OF
	Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in accordance with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use Regulations: 1997. S.I. 525 provides for the recognition of a standard of another Member State which is equivalent to the relevant Irish Standard	STEET WHITEK WHITEK WHITEK	EX JUST EX JUST EX
G.7.2	Ireland and United Kingdom	CALLER WILL WILL S	N/A
		VII. 10, 1	

ZC

To the first paragraph the following is added: A power supply cord with a conductor of 1,25 mm<sup>2</sup> is allowed for equipment which is rated over 10 A and up to and including 13 A.

**ANNEX ZC, NATIONAL DEVIATIONS (EN)** 

Reference No.: WTX24X09214733S Page 43 of 57

11010101100	110 11112471002147000	r ugo 40 or	0, 70, 72, 7			
TEN INT	IEC62368_1 - ATTACHMENT					
Clause	Requirement – Test	TER STER MALTE	Result – Remark	Verdict		

10.5.2	Germany	Not such equipment.	N/A
	The following requirement applies:		16th 16th
	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.	Whitek whitek whitek and	int whilet was the same of the
	Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM.	White white whitek whitek	MUNTER MUNTE
	NOTE Contact address: Physikalisch-TechnischeBundesanstalt, Bundesallee 100, D-38116 Braunschweig, Tel.: Int +49-531-592-6320, Internet: http://www.ptb.de	Tek sifek milek uniter uni	Et Miles



4.1.2	TABLE: List of critical	TABLE: List of critical components					
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity1		
PCB	Q & D CIRCUITS CO LTD	M2-K (ASP 1)	V-0, 130°C	UL 796	UL E251497		
Plastic enclosure	SABIC INNOVATIVE PLASTICS US L L C	5220U(GG)(f2)	1.5mm, HB, 75°C	UL 94	UL E121562		

4.8.4, 4.8.5	TABLE	E: Lithium coin/button cell batt	eries mechanical tests	NAT SUPER
(The followi	ing mech	anical tests are conducted in the s	sequence noted.)	
4.8.4.2	TABLE	E: Stress Relief test	EX TEX STEX STEE SUITE SUSTEEN	Milli Janii 1
Par	t d	Material	Oven Temperature (°C)	Comments
EUT	14.	Plastic	70	No damaged
4.8.4.3	TABLE	E: Battery replacement test	Sur III II II	ائن. <u>خان</u> خ
Battery par	t no		LITER WITE WHITE WALL WALL	1/15 - 1/11
Battery Ins	tallation/	withdrawal	Battery Installation/Removal Cycle	Comments
11, 12,		a state at a	if will me 1 me who	n <u>n</u>
			2 2 1	LITER OF THE CO
			3	\ \ \ <del>_</del>
			4 7 3 3	The onlite and
			5	
			6	White Albert
			8	A-1
			9	Mrs. And
et se	y the	A WILLIAM WILL MUST AND	10	at Jet
1.8.4.4	TABLE	: Drop test		r. 24 24
mpact Area	MILTER.	Drop Distance	Drop No.	Observations
Botto	m	1000mm	a ret with my my my	No damaged
Botto	m	1000mm	of the total	No damaged
Botto	m s	1000mm	3	No damaged
4.8.4.5	TABLE	: Impact	et antier water water out ?	10 10
Impacts surfa		Surface tested	Impact energy (Nm)	Comments
3	LITER	Battery compartment cover	2	No damaged
4.8.4.6	TABLE	: Crush test	NITER WILL WALL WALL WALL	M. bm
Test pos	sition	Surface tested	Crushing Force (N)	Duration force



24, 25, 2	I I I I I I I I I I I I I I I I I I I		applied (s)
Completed equipment	Тор	330	MATERIAL TO THE THE TANK
Completed equipment	Bottom	330	10 10 m

.8.5 T	ABLE: Li	thium coin/button cell batteries	mechanical test result	7,	Р
Test posit	ion	Surface tested	Force (N)	979, 732	on force ed (s)
Battery compartm		Cover	30	PLIEK WALTER	10

5.2	TA	ABLE: Classification	n of electrical ene	rgy sources			P
5.2.2	2.2 – Stead	ly State Voltage and	Current conditions	ITEK TIEK	WITE WILL	WILL	are are
<u>+</u>	No. Supply Voltage Location (e.g. circuit designation)		Mulic mer	Par P	arameters	- Let	JEK NIEK
No.			Test conditions	U (Vrms or Vpk)	l (Apk or Arms)	Hz	ES Class
1	- 4		Normal	3.0V		DC	t test is
1	3.0V	Input and	Abnormal	(16)		3. 3.0.	ES1
TEK.	UNLITEE W	internal circuits	Single fault – SC/OC			t Tek	WILTER WALTE

	Supply	Location (e.g.	Ties Mur Au	211	Paramete	ers	A
No.	Voltage	circuit designation)	Test conditions	Capacitance	Capacitance, nF		ES Class
JEY	- LIER IN	LTE MILITE MINE	Normal		at at	THE THE	LIEK (C
	201. 201.	A 18- 18	Abnormal	write Arti	711	mr - m	
ER WILLER MULL	Muri Auri	Single fault – SC/OC	NITEK NATEK	WILL THE	NITER WALTER W	n'iter wali	
5.2.	2.4 - Single F	Pulses	my my	at at	et :	set week ni	TER WITE
10.	Cummb	Location (e.g.	TEX INLIES NA	aner 1	Paramete	ers	
No.	Supply Voltage	PPIY   circuit   Test	Test conditions	Duration (ms)	Upk (V)	lpk (mA)	ES Class
JEH	NITER IN	it will wil	Normal	5 2	+ 75	Cet -Cet	LIEK IN
	zu	L 25 18	Abnormal	inlife - white	MUT.	m m.	2
	LITER WALTE	WALTE WALE	Single fault – SC/OC	set - set	LIEK (	LIFE MILEE M	NIEK WALTE

	4			
	7	P	7	K
3		V	٧	
	•	M	У	

	0	Location (e.g.	. At let	alter mite	Parameters	, m, 1	14
No.	Supply Voltage	circuit designation)	Test conditions	Off time (ms)	Upk (V)	lpk (mA)	ES Class
	et set	LIEN RUTER	Normal	1/4	L	de de	L KEN
wit	240 2	1. 10. 1	Abnormal	- A	LIE JALIE	meir - me	11/2 1
NITEN	WALTER WA	EX MUTTER MU	Single fault – SC/OC	THE C	Et JET S	LIEK WALTER	MALIEK WA

Page 46 of 57

Test Conditions:

Normal -

Abnormal -

Supplementary information: SC=Short Circuit, OC=Short Circuit

5.4.1.4, 6.3.2, 9.0, B.2.6	TABLE: Tempera	nture measu	rements				SER WALTER	WALL DE AN				
TIE WILL	Supply voltage (V	)	: N	Normal w	orking	TEN WITE	NALLE OF	لازير عملا				
t et	Ambient T <sub>min</sub> (°C)			The Man Man and Man								
Mr.	Ambient T <sub>max</sub> (°C)		: <sub>./</sub>	See be	low	INLIER WALTER WAS		on,				
Maximum r part/at:	measured temperat	ure T of	ne n		T (°C)	CLITER OF	Allowed T <sub>max</sub> (°C)					
PCB near l	PCB near U1				42.0		+ - c+	130				
Battery boo	dy	A V	25	5.4	41.6	- wic	Ref					
Plastic enc	losure inside near l	Battery	25	5.3	41.5			75				
Ambient	nt	bient	pient	nt		a de de	1 2 1 15 5	23.8	40.0	410	arr an - a	$\vec{z}_n$
Accessible	part with which	, we	71	CLER Y	Shift to 25°C	WALTER V	nli <sup>ek</sup> whi	IK WALTER				
Plastic enc	losure outside near	Battery	25	5.0	26.2	7	.c+c+	77				
Ambient	70, 7	*	23	3.8	25.0	u <sub>rs</sub> au	-1/2	1/11 - 1				
Supplemen	ntary information:-	mer m	20,	7	<del>.</del>	at d	t GER	NITER IN				
Temperatu	re T of winding:	t <sub>1</sub> (°C)	R <sub>1</sub> (Ω)	t <sub>2</sub> (°C)	$R_2\left(\Omega\right)$	T (°C)	Allowed T <sub>max</sub> (°C)	Insulation class				
- 2n.	24. 24.	<u>,</u>	A. F.	JE	J. E. 37 LIV	ans.	non - m	77.				

#### Supplementary information:

Note 1: Tma should be considered as directed by applicable requirement

Note 2: Tma is not included in assessment of Touch Temperatures (Clause 9)

Note 3: The maximum ambient temperature specified by manufacturer is 40°C.

5.4.1.10.2	TABLE: Vicat softening temperature o	f thermoplastics	WILL MULL MULL ME	N/A
Penetration	ı (mm)	, L	at let let we	- <u></u>
Object/ Par	t No./Material	Manufacturer/t rademark	T softening (°C)	TEX.



- 111 111	* TEX NUTER - NUTER	WILL	with	Mi	The same	74
supplementary information:	The said	٠,	24	26t	Alek	LUE TO

5.4.1.10.3 TABLE: Ball pressure test of thermoplastics						
Allowed im	pression diam	neter (mm)	≤ 2 mm	MULL MULL	11/2 11	
Object/Part	No./Material	Manufacturer/trademark	Test temperature (°C)	Impression dia	ameter (mm)	
- 3		1 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	THE WILL WALL	71 - 71 -	20 2	
Supplemen	tary informati	on:		At Att	JER NIE	

5.4.2.2, 5.4.2.4 and 5.4.3	n Cleara	ances/Cree	epage dista	nce		niter whi	N/A
Clearance (cl) and creepage distance (cr) at/of/between:	Up (V)	U r.m.s. (V)	Frequenc y (kHz) <sup>1</sup>	Required cl (mm)	cl (mm) <sup>2</sup>	Required 3 cr (mm)	cr (mm)
- " , , , , , , , , , , , , , , , , , ,	.et	. (C) (C)	<30	ares - are	>0.5	11, - 1	>0.5

Supplementary information:Note1: Material Group: IIIa/IIIb;

Note 2: BI: basic insulation; SI: supplementary insulation; DI: double insulation; RI: reinforced insulation.

5.4.2.3	TABLE: Minimum Clearances distances using required withstand voltage  Overvoltage Category (OV):				
nitest with					
	Pollution Degree:	AT THE LITE OF SHIPLY AND			
Clearance distanced between:		Required withstand voltage	Required cl (mm)	Measured	d cl (mm)
See table 5.4.3 abo	5.4.2.2, 5.4.2.4 and ve.	MILL AIR AUG	THE THE S	TH NITER IN	TEX WALTE

Supplementary information:BI: basic insulation; SI: supplementary insulation; DI: double insulation; RI: reinforced insulation.

1)See appended table **5.4.2.2**, **5.4.2.4** and **5.4.3** for measurements.

5.4.2.4	TABLE: Clearances	TABLE: Clearances based on electric strength test					
Test volta	age applied between:	Required cl (mm)	Test voltage (Kv) peak/ r.m.s. / d.c.	Breakdown Yes / No			
164	THE SITE WITH	140, 24, 20	- 4	Lit - Et 3			

5.4.4.2, 5.4.4.5 c) 5.4.4.9	TABLE:	E: Distance through insulation measurements					
Distance the insulation d		Peak voltage (V)	Frequency (Hz)	Material	Required DTI (mm)	DTI (mm)	
- J	et i	er tier - tier m	n 1000 1	$n$ , $\overline{a}_n$ .			

Reference No.: WTX24X09214733S Page 48 of 57



_	~ \ \		
C	lementary	. :	4:
$\sim$ unn	lemenian	/ iniori	nalion:

\*: See appended Table 4.1.2 for details.

5.4.9	TABLE: Electric strength	tests		N/A
Test volta	age applied between:	Voltage shape (AC, DC)	Test voltage (V)	Breakdown Yes / No
unction	al:	at all aller out	and while my	21/2 1/1
et si	it aliet miet anite an	is and an	A - A A	t set s
1/1	70	Basic/supplementary:	White Mile Music	The In
- CIER	OLITER WALTE WALT WAL	7	at at the	JEE - JEE
211	a a de de	TEX MITE MALTE	hri mi - me	$\overline{z}_n$ , $\overline{z}_n$
Reinforce	ed: which was	An The	LET LET LET .	LIER WILLER
-	a state of	LIE WALTE WALL WA	m. m. n	
5 E. J. L.	it with whit with a	- 4 1	t get - get at	er ni <u>e</u> m
Routine	Tests:	TEX WILL MULT MULT	14, 14, 14,	
- White	min my my m	- 1 1 1	TER NITER WITE	Write - Write
Supplem #: all alte	entary information: rnative sources have been cons	sidered.	at let tex	LIEK SLIEK

5.5.2.2 TABL	E: Stored disc	harge on capac	itors		N/A
Supply Voltage (V), Hz	Test Location	Operating Condition (N, S)	Switch position On or off	Measured Voltage (after 2 seconds)	ES Classification
t tel tel	JEK - STE	INLIE WALL	1/15 1/1	- "	A A A
Supplementary infe	ormation:		18th 5	EX SLIFE WITH M	is me me
X-capacitors instal	led for testing	are: C1+C3 =1.0	uF		
⊠ Bleeding resisto	or rating: R50, I	R51 (680K for ea	ch).		
☐ ICX:					
Notes:					
A. Test Location:					
Phase to Neutral; I	Phase to Phas	e; Phase to Earth	n; and/or Neu	tral to Earth	
B. Operating cond	lition abbreviat	ions:			
N – Normal operat	ing condition (	e.g., normal oper	ation, or ope	n fuse); S –Single fault	condition

5.6.6.2	TABLE: Resistar	nce of protective co	nductors and term	ninations	N/A
nti "A	ccessible part	Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)
5 <sup>ET</sup> (1	anti whi	11, 2,	1 N= N+	18t - 18t	176 CLE 31

5.7.2.2,	TABLE: Earthed accessible conductive part	N/A
5.7.4		are ar



Supply voltage	THE MILE WALL WALL WALL	1/2 - 1/2
Location	Test conditions specified in 6.1 of IEC 60990 or Fault Condition No in IEC 60990 clause 6.2.2.1 through 6.2.2.8, except for 6.2.2.7	Touch current (mA)
The state of the state of	TEK ITE WILL WILL TANK V	N/A
	with the 2* let like	N/A
	The Title Mill 1911 131 101 101	N/A
	4	N/A
	THE NATION OF THE OWN TO THE OWN TO SERVICE OF THE OWN	N/A
	<i>y</i> 46	N/A
at the fift that still	MILE WAY AND 8 WAY	N/A

#### Supplementary Information:

N/A

### Notes:

- [1] Supply voltage is the anticipated maximum Touch Voltage
- [2] Earthed neutral conductor [Voltage differences less than 1% or more]
- [3] Specify method used for measurement as described in IEC 60990 sub-clause 4.3
- [4] IEC60990, sub-clause 6.2.2.7, Fault 7 not applicable.
- [5] (\*) IEC60990, sub-clause 6.2.2.2 is not applicable if switch or disconnect device (e.g., appliance coupler) provided.
- N: Normal condition, R: Reverse condition.

6.2.2	Table: Electric	of St P S				
Source Descrip		Measurement Max Power after 3 s		Max Power after 5 s*)	PS Classification	
All internal Normal circuit operation	1 24 2	Power (W) :	it the the	alier mile wall	Mer Mer	
	V <sub>A</sub> (V) :	1414. 1	7 4	PS1 (declaration)		
	operation	I <sub>A</sub> (A) :	TEK - TEK W	it unit - white.	(deciaration)	

#### Supplementary Information:

(\*) Measurement taken only when limits at 3 seconds exceed PS1 limits

6.2.3.1	Table: Determin	ination of Potential Ignition Sources (Arcing PIS)			
WALTER W	Location	Open circuit voltage After 3 s (Vp)	Measured r.m.s current (Irms)	Calculated value (V <sub>p</sub> x I <sub>rms</sub> )	Arcing PIS? Yes / No
	at - at all	LIER WILL	April 240 The	70, -2	<del></del>

#### Supplementary information:

All primary circuit/components were considered as arcing PIS, the open circuit of all secondary components/ circuit were not exceeded 50V.

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: Dete	termination of Potential Ignition Sources (Resistive PIS)					
Circuit L	ocation (x-y)	Operating Condition (Normal / Describe Single Fault)	Measured wattage or VA During first 30 s (W / VA)	Measured wattage or VA After 30 s (W / VA)	Protective Circuit, Regulator, or PTC Operated? Yes / No (Comment)	Resistive PIS? Yes/No	
JEK S	SEE OLIVE O	in in in	71/2		et <del>zet</del> e	Ell Lieb	

Supplementary Information:

All primary/secondary components were considered as resistive PIS.

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

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

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

8.5.5	TABLE: High Pressure Lamp	Mer Mer M	4, 4,	N/A
Description	an an an	Values	Energy Source Cl	assification
Lamp type.		in my		- LEX
Manufactur	rer:	TER STER WIFE	until water	140 11
Cat no			A Total	KEP L
Pressure (c	cold) (MPa):		MS_	ne in
Pressure (c	operating) (MPa)		MS_	STER STER
Operating t	time (minutes):	INLIES MALTE MAL	in the the the	20
Overall res	ult:		t 16t 17th 17th	IL WITEE
Supplemen	ntary information:	LIE WILL WILL	Mr. Mr. M.	200

B.2.5	TA	BLE: Input	test	LITER .	WILL WILL	CINE.	11. 11.	70	Р
U (V)	-11	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Conditi	on/status
3.0Vdc	'n.	0.003	0.01	0.009			# <del>-</del> _#	Norma	l working

Supplementary information:

Equipment may be have rated current or rated power or both. Both should be measured

B.3	TABLE: Abn	ormal operation	ng conditio	n tests	7				۲,	N/A
Ambient temp	perature (°C)		at st	* J	jt	<u> </u>	WILLE W	ice and	02	m_ m
Power source	e for EUT: Ma	nufacturer, mo	odel/type, o	utput rat	ting:		- A- 1	y de		16t-15
Component No.	Abnormal Condition	Supply voltage (V)	Test time	Fuse no.	Fuse curre (A)		T-couple	Temp. (°C)	0	bservation



7/1, 1	 	· >+	400	- CV	" TILL " " TILL	100	11 21	
	 Jt 1	10	10V	- C	n - n	1980/20		

Supplementary information:

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

S-C: short circuit, O-L: overload, O-C: open circuit; CD: Components damaged;

The Hi-pot test conducted successfully after the completion of fault condition test.

B.4	TABLE: Fai	ult condition	n tests					At P de
Ambient tem	perature (°C	<del>)</del> ):	J+ JE	UE	A CALLED	25.0	ALT.	211,5 -711,5
Power source	e for EUT: N	/lanufacturer	, model/type	, output	rating :	1	- Let	JEK JEK
Component No.	Abnormal Condition	Supply voltage, (V)	Test time	Fuse no.	Fuse current, (A)	T-couple	Temp. (°C)	Observation
D1	S-C	3.0V	10min.	anties	SANTER.	Whitek white	TEX MUTER	Battery current :0A Unit shut down immediately, no damage, no hazards.
C2	S-C	3.0V	10min.	stret	STEE SU		MALIFE STEK MALIFE	Battery current :0A Unit shut down immediately, no damage, no hazards.

#### Supplementary information:

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

S-C: short circuit, O-L: overload, O-C: open circuit; CD: Components damaged;

The Hi-pot test conducted successfully after the completion of fault condition test.

Supplementary information:



Annex M	TABLE:	Batteries						n in	Р
The tests of	of Annex M	are applica	able only whe	n appropri	ate battery	data is no	t available	P. 15	Y
Is it possib	le to install	the battery	/ in a reverse	polarity po	sition?		1 m	- 40	N
STER II	Non-re	echargeabl	e batteries	- 2"	, E	Rechargea	ble batteri	es	OLITER O
	Disch	arging	Un-	Cha	Charging [		arging	Reverse	d charging
	Meas. current	Manuf. Specs.	intentional charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.
Max. current during normal condition	0.003	NLT - UNI SEK VUNITE	MULTER MA	iek <sub>w</sub> nii Fek wrii	ek white	Whitek	inite <sup>r</sup> v	LIE <del>L</del> VINLE	WALTER WALTER
Max. current during normal condition	WALTER	MALTER VII	nice unice	WILTER V	ANTER AN	TEK WILT	MUTER	Whitek	antit <mark>ek</mark> on
+ 15+	(Et	UER SU	er nite n	Vice in	21/2	10,		,t ,	et est
Test result	s:	-20		A S	* Jiet	CLIFE .	NITE W	ry any	Verdict
- Chemical	leaks	er ale	WITE WILL	e an	10,	10,000	No leaks	+ 2+	P
- Explosior	of the bat	tery	1 0	- GER	NITE .	NLTE WA	No explo	sion	Р
- Emission	of flame or	expulsion	of molten me	tal			No emis	sion	Р
- Electric s	trength tes	ts of equip	ment after con	npletion of	tests	7.5	-11/12	21/2 .2	N/A

	equipment cor	ntaining seco	ndary lithium	N/A		
Test conditions		Measurements				
	U	I (A)	Temp (C)			
Normal	et -et	CEL - CE	nliek snli	er while wh		
Abnormal	1117 1	7,0	A 13	A 5		
Single fault –SC/OC ( P- to B- shorted)	WALLEY WAS	ER WALLEY	onlin whi	an an		
	Test conditions  Normal  Abnormal  Single fault –SC/OC	Test conditions  U  Normal  Abnormal  Single fault –SC/OC	Test conditions	Measurements   U   I (A)   Temp (C)		

Battery identification	Charging at T <sub>lowest</sub> (°C)	Observation	Charging at T <sub>highest</sub> (°C)	Observation
<del>-</del> 76+ 76	- TEE STEE	Mure Mar Mure	20, 70,	1 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Supplementary I	nformation: S-C:	short circuit, O-C: open cir	cuit	ite with must mi

Abbreviation: SC=short circuit; OC=open circuit



Annex Q.1	TABLE: Circuits in	TABLE: Circuits intended for interconnection with building wiring (LPS)  N/A								
Note: Mea	sured UOC (V) with a	II load circuits	disconnected:	ek nijek inij	in with the	ir mir				
Output	Components	U <sub>oc</sub> (V)	I <sub>sc</sub> (	A)	S (VA)					
Circuit	in in		Meas.	Limit	Meas.	Limit				
A	St. 18 18	CLIFE TOLL	11/2 - 21/	-	J. J.	<u>, 4</u>				

Material	Thickness	Force	Test Duration	01
. 2,	(mm)	(N)	(sec)	Observation
Plastic	See table 4.1.2	250	In THE WAY	No crack/damage occur
	Plastic	4.1.2	4.1.2	4.1.2

T.6, T.9 TA	BLE: Impact te	sts		et tet liter wife in P
Part/Locatio n	Material	Thickness (mm)	Vertical distance (mm)	Observation
Enclosure	Plastic	See table 4.1.2	1300	No crack/damage occur

T.7	TABLE: Drop tests						
Part/Location	Material	Thickness (mm)	Drop Height (mm)	Observation	N.L.T.E.W.		
z <sub>11.</sub> - z <sub>2</sub> ,	4	24 All	LIER - NITE	me me - m	10,		

T.8	TABLE: Stress relief test				
Part/Location	on Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observation
Enclosure	Plastic	See table 4.1.2	70	7 Tet Stet	Enclosure remained intact



### **Photo Documentation**

Model: PLT005

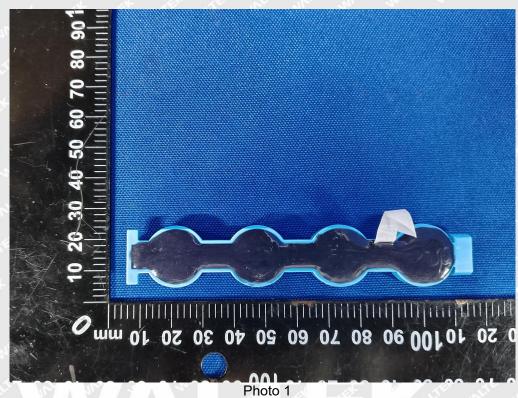




Photo 2

Reference No.: WTX24X09214733S



# **Photo Documentation**

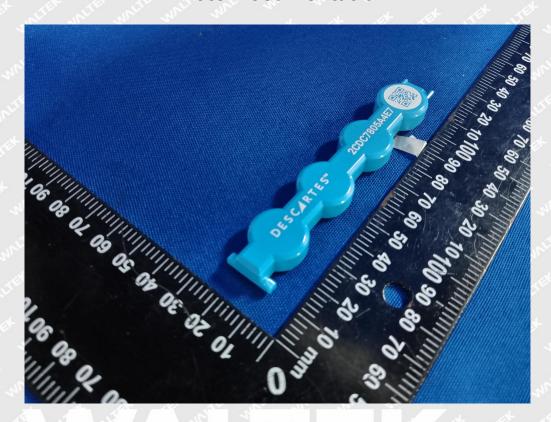


Photo 3



Photo 4



# **Photo Documentation**

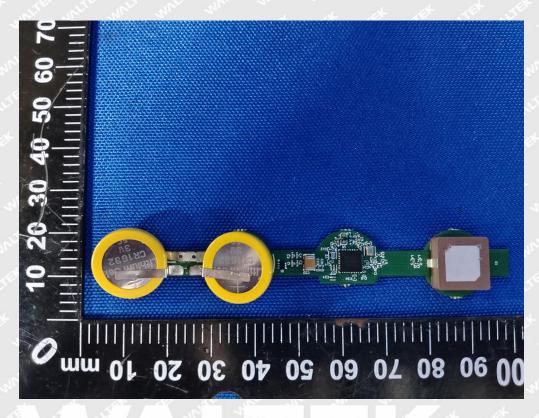


Photo 5

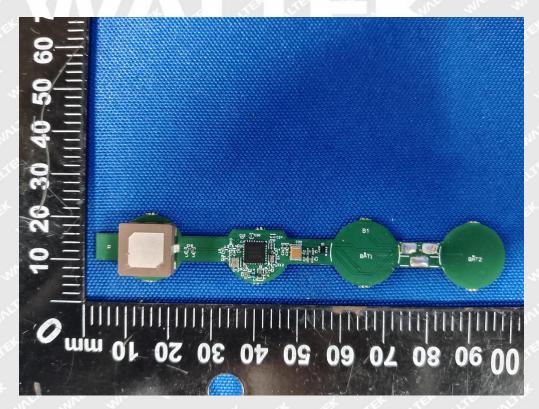


Photo 6



# **Photo Documentation**

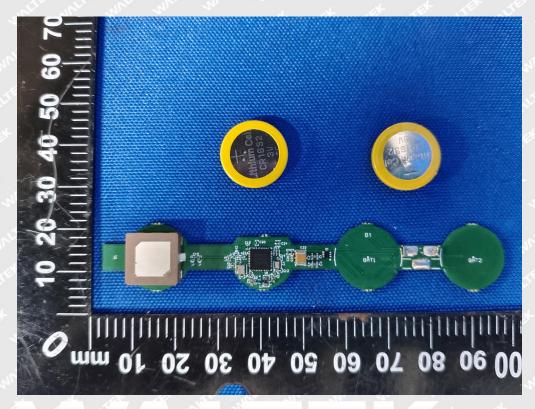


Photo 7

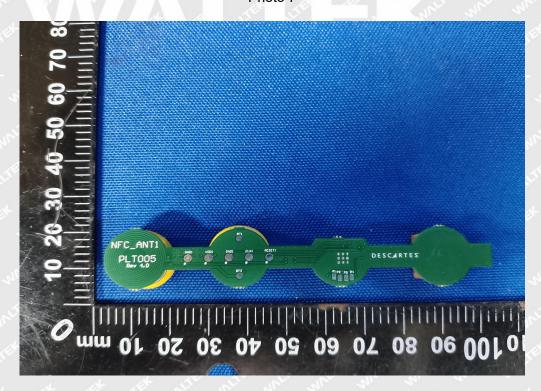


Photo 8

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