

TEST REPORT

Reference No..... : WTX23X12264033S

Applicant...... : Descartes System Group Inc

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

Manufacturer: Descartes System Group Inc

Product Name.....: COREInsight BLE Beacon Tag

Model No.....: STD001

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

Audio/video, information and communication technology equipment-

Part 1:Safety requirements

Date of Receipt sample..... : 2023-12-20

Date of Test...... 2023-12-20 to 2023-12-22

Date of Issue..... : 2023-12-26

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: sem@waltek.com.cn

Tested by:

Ivan Zhang

Approved by:

Harvid Wei

AV D W IN N	
Test item description	: COREInsight BLE Beacon Tag
Trademark	THE THE NATE OF THE THE STEE
Model and/or type reference	: STD001
Rating(s)	: Input: Powered by 3.6V, 2700mAh Lithium-ion Battery
Remark:	
Whether parts of tests for the pro-	oduct have been subcontracted to other labs:
☐ Yes	⊠ No
If Yes, list the related test items	and lab information:
Test items:	
Lab information:	while where we are the test start

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.: WTX23X12264033S

Page 3 of 58

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			7

TEST ITEM PARTICULARS:	NITER WHITE WHITE WHITE WAS AND WITE
Classification of use by:	☑ Ordinary person☐ Instructed person☐ Skilled person
inite white white white white white	☐ Skilled person
Supply Connection	□ AC Mains □ DC Mains
AL AL LER TER STER STER MITTER	External Circuit - not Mains connected- ⊠ ES1 □ ES2 □ ES3
Supply % Tolerance:	□ +10%/-10% □ +20%/-15% □ +%/ -% □ None
Supply Connection – Type:	 □ pluggable equipment type A - □ non-detachable supply cord □ appliance coupler □ direct plug-in □ mating connector □ pluggable equipment type B - □ non-detachable supply cord □ appliance coupler □ permanent connection □ mating connector other: not directly connected to the mains
Considered current rating of protective device as part of building or equipment installation:	N/A Installation location: □ building; □ equipment
Equipment mobility:	☐ movable☐ hand-held☑ transportable☐ stationary☐ for building-in☐ direct plug-in☐ rack-mounting☐ wall-mounted
Over voltage category (OVC)	 □ OVC I□ OVC II□ OVC III □ OVC IV
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:	60°C
IP protection class	
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)	⊠ 0.073Kg
CRITE WILL WALL WALL WAY	at at let let liet size size
POSSIBLE TEST CASE VERDICTS:	Mer
- test case does not apply to the test object:	N/A of the total the state and the

Reference No.: WTX23X12264033S Page 4 of 58

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	À	١	M	4	0
		•	V		4

- test object does meet the requirement	P (Pass)	
- test object does not meet the requirement	F (Fail)	
TESTING:	the write wait was and will an	
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	he General product information section.	
Name and address of factory (ies)	Same as manufacturer	
GENERAL PRODUCT INFORMATION:	tex rifer writer white white white white	
This product is a COREInsight BLE Beacon Tag is As the applicant declares, the operation temperature		
Model Differences	When the hand he had the	
N/A		
write many man and any and	ex lex lex liex litex nitex with which is	
Additional application considerations – (Consideration)	rations used to test a component or sub-assembly)	
while we will be the Tex	THE DETERMINE WHITE WHITE WHITE WHITE	

Reference No.: WTX23X12264033S Page 5 of 58



ENERGY SOUR	CE IDENTIFICATION AND	CLASSIFICATION TABLE:
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(Note 1: Identify the following six (6) energy source forms based on the origin of the energy.)

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

Electrically-caused injury (Clause 5):

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

Example: +5 V dc input, ES1

Source of electrical energy	Corresponding classification (ES)
Internal circuits	TET IN ESTAT OF THE

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

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	

LET THE THE STEET	LIET.	ENERGY SOURCE	DIAGRAM	4 × 4	t at de
Indicate which energy sources a	e included	I in the energy source d	iagram. Ins	sert diagram below	mr. mr.
A MULTER MULTER MALTER M	⊠ ES	⊠ PS ⊠ MS	⊠ TS	RS	
OVERVIEW OF EMPLOYED	SAFEGL	JARDS			



Clause	Possible Hazard			
5.1	Electrically-caused injur	y	· st st	JEK JEK
Body Part	Energy Source	WITE WALLE	Safeguards	7,1
	(ES3: Primary Filter circuit)	Basic	Supplementary	Reinforced (Enclosure)
Ordinary	ES1: All circuits inside the equipment enclosure	N/A	N/A	N/A
6.1 and and and	Electrically-caused fire	- Let 5	It THE STEE	INLIE MILIE
Material part	Energy Source	me me	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 , 11 , 11 , 11	Injury caused by hazardous substances			mer me
Body Part	Energy Source	20. 20.	Safeguards	LET LET
(e.g., skilled)	(hazardous material)	Basic	Supplementary	Reinforced
N/A	N/A	N/A	N/A	N/A
8.1	Mechanically-caused inj	ury	when me me	20, 1
Body Part	Energy Source	A-	Safeguards	t Till "
(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	11 14	77	et et
Body Part	Energy Source	TEN LIER	Safeguards	21/2 - 21
(e.g., Ordinary)	(TS2)	Basic	Supplementary	Reinforced
Ordinary	TS1: Accessible surfaces	N/A	N/A	N/A
10.1	Radiation			ner wer
Body Part	Energy Source	Safeguards		
(e.g., Ordinary)	(Output from audio port)	Basic	Supplementary	Reinforced
N/A	N/A	N/A	A N/A	N/A

Supplementary Information:

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

^{(2) &}quot;N" – Normal Condition; "A" – Abnormal Condition; "S" Single Fault

No.: WTX23X12264033S Page 7 of 58

Reference i	No.: WTX23X12264033S	Page / of 58	
THE WITE	white with any one	EN 62368-1	MILE WALTE
Clause	Requirement – Test	Result – Remark	Verdict

4	GENERAL REQUIREMENTS		Р
4.1.1	Acceptance of materials, components and subassemblies	A NUTER WHITE WHITE	Р
4.1.2	Use of components	(See appended table 4.1.2)	∠⊘P
4.1.3	Equipment design and construction	wite with any one	h. b.
4.1.15	Markings and instructions	(See Annex F)	P
4.4.4	Safeguard robustness	The wife wife me a	Р
4.4.4.2	Steady force tests	at at all all as	N/A
4.4.4.3	Drop tests	me me me m	N/A
4.4.4.4	Impact tests:	- All The The STEE	N/A
4.4.4.5	Internal accessible safeguard enclosure and barrier tests	of the text text	N/A
4.4.4.6	Glass Impact tests	Will All Mr. M. A	N/A
4.4.4.7	Thermoplastic material tests:	(See Annex 8)	Р
4.4.4.8	Air comprising a safeguard:	in the the the	N/A
4.4.4.9	Accessibility and safeguard effectiveness	the tipe with all the sail	Р
4.5	Explosion	No explosion	Р
4.6	Fixing of conductors	LEL MITE MITE	N/A
4.6.1	Fix conductors not to defeat a safeguard	7	N/A
4.6.2	10 N force test applied to:	LIFE OLIFE SPLIT MALE W	N/A
4.7	Equipment for direct insertion into mains socket - outlets	EX TEX STEEL MATER WAY	N/A
4.7.2	Mains plug part complies with the relevant standard	to the let let with	N/A
4.7.3	Torque (Nm)	The Me in in	N/A
4.8	Products containing coin/button cell batteries	No coin/button cell batteries	N/A
4.8.2	Instructional safeguard	me me me	N/A
4.8.3	Battery Compartment Construction	THE LIFE SLIFE WITE IN	N/A
WITE!	Means to reduce the possibility of children removing the battery	of the the the of	Et JULIER
4.8.4	Battery Compartment Mechanical Tests	Mer Mer Me An	N/A
4.8.5	Battery Accessibility	THE THE STEEL STEEL	N/A
4.9	Likelihood of fire or shock due to entry of conductive object:	with the let let	N/A

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

Page 8 of 58 Reference No.: WTX23X12264033S

EN 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict		
5.2.2	ES1, ES2 and ES3 limits	LIFE MILE WATER	Р		
5.2.2.2	Steady-state voltage and current	(see appended table 5.2)	Р		
5.2.2.3	Capacitance limits	The same of the same	N/A		
5.2.2.4	Single pulse limits	No single pulse introduced	N/A		
5.2.2.5	Limits for repetitive pulses	No repetitive pulses introduced	N/A		
5.2.2.6	Ringing signals	No ringing signal generated	N/A		
5.2.2.7	Audio signals	me me me	N/A		
5.3	Protection against electrical energy sources	TEX STEX STIER WITE WALL	N/A		
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	at the tree tree with	N/A		
5.3.2.1	Accessibility to electrical energy sources and safeguards	The tip the tip	N/A		
5.3.2.2	Contact requirements	No openings on enclosures as received and after mechanical test.	N/A		
in.	a) Test with test probe from Annex V	WILL WILL MULL MULL MU	N/A		
SEX.	b) Electric strength test potential (V)	a state of the	N/A		
211 211	c) Air gap (mm)	ite with mit me my	N/A		
5.3.2.4	Terminals for connecting stripped wire	No such terminal, considered in end system	N/A		
5.4	Insulation materials and requirements		P		
5.4.1.2	Properties of insulating material	WILLE WILL MULL MILL M	Р		
5.4.1.3	Humidity conditioning	a state of the	N/A		
5.4.1.4	Maximum operating temperature for insulating materials	(see appended table 5.4.1.4)	Р		
5.4.1.5	Pollution degree	Et mitte white white white	_		
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	THE STEE WITH MITTER	N/A		
5.4.1.5.3	Thermal cycling	The the state of	N/A		
5.4.1.6	Insulation in transformers with varying dimensions	UNLIER WHITE WALTE WALL WA	N/A		
5.4.1.7	Insulation in circuits generating starting pulses	TEX TEX STEE WITE WITE	N/A		
5.4.1.8	Determination of working voltage	m m v	N/A		
5.4.1.9	Insulating surfaces	* ALTER MITER WHITE WHITE	N/A		
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	THE THE STREET WITH	N/A		
5.4.1.10.2	Vicat softening temperature	The Mr. M. M.	N/A		
5.4.1.10.3	Ball pressure	TEX STEX WITE WITE WAS	N/A		
5.4.2	Clearances	V. 24 2. 2.	N/A		

Page 9 of 58

Reference No.: WTX23X12264033S

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OLTER IN	rife autit mar and and	EN 62368-1	
Clause	Requirement – Test	Result – Remark	Verdict

Clause	Requirement – Test	Result – Remark	Verdict
5.4.2.2	Determining clearance using peak working voltage	Wite Aurita Maries and	N/A
5.4.2.3	Determining clearance using required withstand voltage	TER WILLEY WALLE WALLE	N/A
LIE WILL	a) a.c. mains transient voltage	- TEX STER WITER	JALTE -
A 18	b) d.c. mains transient voltage	10, 20, 20,	
MULT	c) external circuit transient voltage	alter outer outer ou	rri n —
- WALTER V	d) transient voltage determined by measurement	TER STER STER WIT	EK _
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	et tet tet stet	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	ALL SALES	N/A
5.4.3	Creepage distances	WILL WE WE A	N/A
5.4.3.1	General	at set set s	N/A
5.4.3.3	Material Group	we me me an	
5.4.4	Solid insulation	ret ret riet sir	N/A
5.4.4.2	Minimum distance through insulation	Who was	N/A
5.4.4.3	Insulation compound forming solid insulation	ALL STREET	N/A
5.4.4.4	Solid insulation in semiconductor devices		N/A
5.4.4.5	Cemented joints	LIFE MITE MILITA	N/A
5.4.4.6	Thin sheet material	711 711	N/A
5.4.4.6.1	General requirements	LITER INLIER WALTER WAL	N/A
5.4.4.6.2	Separable thin sheet material	and the set	N/A
m. n	Number of layers (pcs)	er write while while	N/A
5.4.4.6.3	Non-separable thin sheet material	at at all	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	must mer mer	N/A
5.4.4.6.5	Mandrel test	writer write white w	N/A
5.4.4.7	Solid insulation in wound components	a start s	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz	rite auril auril and	N/A
5.4.5	Antenna terminal insulation	a state set	N/A
5.4.5.1	General	Mur Mur Mur	N/A
5.4.5.2	Voltage surge test	et set set	N/A
	Insulation resistance (M Ω)	mr. m. m.	_
5.4.6	Insulation of internal wire as part of supplementary safeguard	No such wires	N/A

Page 10 of 58

Reference No.: WTX23X12264033S

	110.1.117.12071122010000	EN 62368-1 Result – Remark Verdict	
MITE	Will Mr. Mr. Mr. Mr.	EN 62368-1	SLIEB WILL MILL
ise	Requirement – Test	Result – Remark	Verdict

Clause	Requirement – Test	Result – Remark	Verdict
5.4.7	Tests for semiconductor components and for	PITER MUTEL MUTER MU	N/A
	cemented joints		6 66 56 56 T
5.4.8	Humidity conditioning	the write aris with	N/A
JEK J	Relative humidity (%)		
- 4	Temperature (°C)	anti wat wat	z _{th}
er aller	Duration (h)	at at at	TEK . —
5.4.9	Electric strength test	mer, mer mer m	N/A
5.4.9.1	Test procedure for a solid insulation type test	let let the state of	N/A
5.4.9.2	Test procedure for routine tests	her me me m	N/A
5.4.10	Protection against transient voltages between external circuit	ex uniter uniter uniter	N/A
5.4.10.1	Parts and circuits separated from external circuits	A THE MILES WILLIES	N/A
5.4.10.2	Test methods	The second second	N/A
5.4.10.2.1	General	WILL MULL MULL AND	N/A
5.4.10.2.2	Impulse test	at the set of	N/A
5.4.10.2.3	Steady-state test	the more mure must	N/A
5.4.11	Insulation between external circuits and earthed circuitry	White	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	Life all and a	N/A
5.4.11.2	Requirements	20 20	N/A
11/2 1	Rated operating voltage U _{op} (V)	LIFE WIFE WALTE WAS	inc —
Alt .	Nominal voltage U _{peak} (V)		- 10 -
m m	Max increase due to variation U _{sp}	E WILLE WILL MILL	m -
Stell Ste	Max increase due to ageing ΔUsa	A ST SET	18th -
- 24	U _{op} = U _{peak} + ΔU _{sp} +ΔU _{sa}	while mile mile	10, 1 T
5.5	Components as safeguards	at left left .	ITER INTE WILL
5.5.1	General	mer mer me mi	N/A
5.5.2	Capacitors and RC units	TER TER TER STEE	N/A
5.5.2.1	General requirement	Le Mie Mie An	N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector	onties white unties	N/A
5.5.3	Transformers	t get get get	N/A
5.5.4	Optocouplers	me, me, me, a	N/A
5.5.5	Relays	TER LIER WIFE ON	N/A
5.5.6	Resistors	the the the the	N/A

EN 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict		
5.5.7	SPD's	LIE OLI MIER WATER	N/A		
5.5.7.1	Use of an SPD connected to reliable earthing	V 10 10 10 10 10 10 10 10 10 10 10 10 10	N/A		
5.5.7.2	Use of an SPD between mains and protective earth	THE WITE MITTER WITE	N/A		
5.5.8	Insulation between the mains and external circuit consisting of a coaxial cable	white white white wh	N/A		
5.6	Protective conductor	TEN OUTER OUTER SOUTH	N/A		
5.6.2	Requirement for protective conductors	m m m	N/A		
5.6.2.1	General requirements	LIER WILL MILLE	N/A		
5.6.2.2	Colour of insulation	the state of	N/A		
5.6.3	Requirement for protective earthing conductors	MULL MILL MULL M	N/A		
The street	Protective earthing conductor size (mm²)	LIFE OUTER AND WALLE			
5.6.4	Requirement for protective bonding conductors	Silver Silver St. Ch.	N/A		
5.6.4.1	Protective bonding conductors	OLIER WILL WALL WALL	N/A		
(Eth	Protective bonding conductor size (mm²)	and the state of	<u> 1</u> 0 —		
211 3	Protective current rating (A)	in with the me a			
5.6.4.3	Current limiting and overcurrent protective devices	White wh	N/A		
5.6.5	Terminals for protective conductors		N/A		
5.6.5.1	Requirement	with only with with	N/A		
WALTER	Conductor size (mm²), nominal thread diameter (mm)	LIET BLIEF MILIER MILIER	N/A		
5.6.5.2	Corrosion	a state	N/A		
5.6.6	Resistance of the protective system	it with white with w	N/A		
5.6.6.1	Requirements	at at att a	N/A		
5.6.6.2	Test Method Resistance (Ω)	white white our war	N/A		
5.6.7	Reliable earthing	at let tet stell	N/A		
5.7	Prospective touch voltage, touch current and pr	otective conductor current	N/A		
5.7.2	Measuring devices and networks	THE THE THE STEEL	N/A		
5.7.2.1	Measurement of touch current	in my my my	N/A		
5.7.2.2	Measurement of prospective touch voltage	IN THE LITER NUTER ON	N/A		
5.7.3	Equipment set-up, supply connections and earth connections	in the text of	N/A		
t Tex	System of interconnected equipment (separate connections/single connection)	Single equipment			
2/1	Multiple connections to mains (one connection at a time/simultaneous connections)	Single connection	74 - <u>(f)</u>		

Page 12 of 58 Reference No.: WTX23X12264033S

	EN 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict		
The state of	mit inti inti in in in	the state of the state of	ger garage		
5.7.4	Earthed conductive accessible parts	Will Mur My	N/A		
5.7.5	Protective conductor current	at at all all	N/A		
2, 2	Supply Voltage (V)	in min mur mur			
SLIFE ON	Measured current (mA)	- TEK ITEK SITEK	INLIER -		
	Instructional Safeguard	me me m	N/A		
5.7.6	Prospective touch voltage and touch current due to external circuits	WALTER WALTER WATER W	N/A		
5.7.6.1	Touch current from coaxial cables	at alt sat s	N/A		
5.7.6.2	Prospective touch voltage and touch current from external circuits	to the text the	N/A		
5.7.7	Summation of touch currents from external circuits	white mit with	N/A		
e un	a) Equipment with earthed external circuits Measured current (mA)	MALIER MALIE MALE	N/A		
MULL	b) Equipment whose external circuits are not referenced to earth. Measured current (mA)	NITER WALTER WALTER WA	N/A		

6	ELECTRICALLY- CAUSED FIRE	in the the the	Р
6.2	Classification of power sources (PS) and potenti	al ignition sources (PIS)	ner P ar
6.2.2	Power source circuit classifications		Р
6.2.2.1	General	ite alike bein spein su	Р
6.2.2.2	Power measurement for worst-case load fault	: (See appended table 6.2.2)	F P
6.2.2.3	Power measurement for worst-case power source fault	(See appended table 6.2.2)	N/A
6.2.2.4	PS1	the the state with write	uriP u
6.2.2.5	PS2	The same of the	N/A
6.2.2.6	PS3	· Life alife while all v	N/A
6.2.3	Classification of potential ignition sources	Mr An The	N/A
6.2.3.1	Arcing PIS	LITER MITE MITE WALLE WAS	N/A
6.2.3.2	Resistive PIS		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	* Writer Writer Writer	N/A
6.3.1 (b)	Combustible materials outside fire enclosure	THE STATE STATE OF	N/A
6.4	Safeguards against fire under single fault conditi	ons	N/A
6.4.1	Safeguard Method	Method of control fire spread used	N/A
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	et to the state of	N/A

Page 13 of 58 Reference No.: WTX23X12264033S

Clause	Requirement – Test	Result – Remark	Verdict
Olduse	Trequirement 103t	result remark	Voluiot
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	onlife white white whi	N/A
6.4.3.1	General	TEK NITER ANTIF WHILE	N/A
6.4.3.2	Supplementary Safeguards	1 x x x	N/A
	Special conditions if conductors on printed boards are opened or peeled	e write write will a	N/A
6.4.3.3	Single Fault Conditions	alter miter miter w	N/A
- MALTER -	Special conditions for temperature limited by fuse	The The The State	N/A
6.4.4	Control of fire spread in PS1 circuits	har the the table	P
6.4.5	Control of fire spread in PS2 circuits	Tex Street Street Street	N/A
6.4.5.2	Supplementary safeguards		N/A
6.4.6	Control of fire spread in PS3 circuit	A STEE WITE WILL S	N/A
6.4.7	Separation of combustible materials from a PIS	TEX STEX SSIER IN	N/A
6.4.7.1	General		N/A
6.4.7.2	Separation by distance	TER SLIER WITER WHILE	N/A
6.4.7.3	Separation by a fire barrier		N/A
6.4.8	Fire enclosures and fire barriers	The state of the same of the s	N/A
6.4.8.1	Fire enclosure and fire barrier material properties		N/A
6.4.8.2.1	Requirements for a fire barrier	me me me	N/A
6.4.8.2.2	Requirements for a fire enclosure	TEX STEX WITER WAY	N/A
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	et tet tet stet	N/A
6.4.8.3.1	Fire enclosure and fire barrier openings	r mer mer m	N/A
6.4.8.3.2	Fire barrier dimensions	of the the with	N/A
6.4.8.3.3	Top Openings in Fire Enclosure: dimensions(mm)	The shift of	N/A
, t	Needle Flame test	ing men men	N/A
6.4.8.3.4	Bottom Openings in Fire Enclosure, condition met a), b) and/or c) dimensions (mm)	TEX MITEX WAITER WAITE	N/A
inliter wh	Flammability tests for the bottom of a fire enclosure	THE MITTER MITTER	N/A
6.4.8.3.5	Integrity of the fire enclosure, condition met: a), b) or c)	No doors or covers.	N/A
6.4.8.4	Separation of PIS from fire enclosure and fire barrier distance (mm) or flammability rating	Who has the title	N/A
6.5	Internal and external wiring	mer mer mer m	N/A
6.5.1	Requirements	at at at 50	N/A

Reference No.: WTX23X12264033S Page 14 of 58

	EN 62368-1		
Clause	Requirement – Test	Result – Remark	Verdict
6.5.2	Cross-sectional area (mm²)	With which which white	1
6.5.3	Requirements for interconnection to building wiring	ist with whilet whitek wh	N/A
6.6	Safeguards against fire due to connection to additional equipment	e itel street street spirit	N/A
IEK MITE	External port limited to PS2 or complies with Clause Q.1	the fit the state of the	N/A

7 mil	INJURY CAUSED BY HAZARDOUS SUBSTANCES		Р
7.2	Reduction of exposure to hazardous substances	No such hazardous substances	N/A
7.3	Ozone exposure	No ozone production	N/A
7.4	Use of personal safeguards (PPE)	STEE STEE SHIP WALL W	N/A
٠ ,<	Personal safeguards and instructions		_
7.5	Use of instructional safeguards and instructions	LIE WILL MULL MILL WAS	N/A
JEX.	Instructional safeguard (ISO 7010)	e st st st st	
7.6	Batteries:	with the the	A P

8	MECHANICALLY-CAUSED INJURY	a sur sur	Р
8.1	General	Enclosure is smooth and no mechanical energy sources	LIE PAL
8.2	Mechanical energy source classifications	MS1	P
8.3	Safeguards against mechanical energy sources	The mer mer me in	Р
8.4	Safeguards against parts with sharp edges and corners	Edges and corners are classed as MS1	whiP.
8.4.1	Safeguards	at at let let	N/A
8.5	Safeguards against moving parts	No moving parts	N/A
8.5.1	MS2 or MS3 part required to be accessible for the function of the equipment	NITER WILLER WILLIAM WILLIAM	N/A
8.5.2	Instructional Safeguard	a at at at a	_
8.5.4	Special categories of equipment comprising moving parts	The must wine with the	N/A
8.5.4.1	Large data storage equipment	A WILL WILL MILL AND	N/A
8.5.4.2	Equipment having electromechanical device for destruction of media	THE STIFF STEEL SHITEK	N/A
8.5.4.2.1	Safeguards and Safety Interlocks	M. M. A.	N/A
8.5.4.2.2	Instructional safeguards against moving parts	NITER WITE WHITE WHITE WA	N/A
all the	Instructional Safeguard	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	_

Reference No.: WTX23X12264033S	Page 15 of 58
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Clause	Requirement – Test	Result – Remark	Verdict
	with with one was and	and the second	Carter and
8.5.4.2.3	Disconnection from the supply	office with the tile	N/A
8.5.4.2.4	Probe type and force (N)	of let tet tet	N/A
8.5.5	High Pressure Lamps	No high pressure lamps	N/A
8.5.5.1	Energy Source Classification	e- set stet stet ni	N/A
8.5.5.2	High Pressure Lamp Explosion Test	- m. m. m.	N/A
8.6	Stability	THE STIFF WITH WITH	N/A
8.6.1	Product classification	the the tenth	N/A
Whi.	Instructional Safeguard	LIER WILLER WHILE MULTER	mr —
8.6.2	Static stability		N/A
8.6.2.2	Static stability test	THE WALL MALL MALL W	N/A
UER SUF	Applied Force	and the set of	et -
8.6.2.3	Downward Force Test	While Man Man Man	N/A
8.6.3	Relocation stability test	at the other	N/A
7	Unit configuration during 10° tilt	"her, me me m	
8.6.4	Glass slide test	let the tiet wife.	N/A
8.6.5	Horizontal force test (Applied Force)	1/1/2 2/1 2/1	N/A
VEL PAR	Position of feet or movable parts	at at anite of	_
8.7	Equipment mounted to wall or ceiling		N/A
8.7.1	Mounting Means (Length of screws (mm) and mounting surface)	white white will whi	N/A
8.7.2	Direction and applied force	TEK STEE STEE WALTE	N/A
8.8	Handles strength	No handles.	N/A
8.8.1	Classification	steet mire anire and a	N/A
8.8.2	Applied Force	· L A At .	N/A
8.9	Wheels or casters attachment requirements	No wheels or casters.	N/A
8.9.1	Classification	at the set of	N/A
8.9.2	Applied force	write water with our	1,1
8.10	Carts, stands and similar carriers	No carts or stands or other carriers.	N/A
8.10.1	General	a the set set	N/A
8.10.2	Marking and instructions	the write military and	N/A
TEN PITE	Instructional Safeguard	the set set is	e* _
8.10.3	Cart, stand or carrier loading test and compliance	mer my my my	N/A
415	Applied force	nite white white white	m
8.10.4	Cart, stand or carrier impact test	1 4 4 4	N/A

Page 16 of 58 Reference No.: WTX23X12264033S

	EN 6236	8-1	
Clause	Requirement – Test	Result – Remark	Verdict
r The	WILL MALL WAY AND		SER STEEL STOLE
8.10.5	Mechanical stability	every more more and	N/A
- CLIFFE	Applied horizontal force (N)	at the text of	
8.10.6	Thermoplastic temperature stability (°C)	The men men	N/A
8.11	Mounting means for rack mounted equipment	Not rack mounted.	N/A
8.11.1	General	me me m	N/A
8.11.2	Product Classification	TEX SLIEN SLIEN SU	N/A
8.11.3	Mechanical strength test, variable N	" In In In In	N/A
8.11.4	Mechanical strength test 250N, including end stops	WEITER WALTER WALTER WALE	N/A
8.12	Telescoping or rod antennas	No rod antennas.	N/A
	Button/Ball diameter (mm)	in in in	_

9	THERMAL BURN INJURY	THERMAL BURN INJURY	
9.2	Thermal energy source classifications	Enclosure is classed as TS1.	Р
9.3	Safeguard against thermal energy sources	Enclosure is used as safeguard.	P
9.4	Requirements for safeguards	WITE WILL MILL MALL WALL	N/A
9.4.1	Equipment safeguard	At Alt Set	N/A
9.4.2	Instructional safeguard	Instructional safeguard is not required	N/A

10	RADIATION	A ST ST	P. P.
10.2	Radiation energy source classification	The Mile Mile Mile Mile	P
10.2.1	General classification	LED indicator: Classed as RS1 (Exempt Group)	WAT DE AN
10.3	Protection against laser radiation	No laser radiation	N/A
in the	Laser radiation that exists equipment:	with white white white	n -n
Et SEX	Normal, abnormal, single-fault	a state of the	N/A
-10	Instructional safeguard	WILL MULL MULL MULL MINE MINE	_
NITER O	Tool	at all tell tell at	_
10.4	Protection against visible, infrared, and UV radiation	et me me me all	N/A
10.4.1	General	er with with and and	N/A
10.4.1.a)	RS3 for Ordinary and instructed persons	at all all other	N/A
10.4.1.b)	RS3 accessible to a skilled person	with mer mer me a	N/A
WALTER.	Personal safeguard (PPE) instructional safeguard	STEET WITEE WITEE WITEE WI	TER WITTE
10.4.1.c)	Equipment visible, IR, UV does not exceed RS1	EX STEX STEX SELECT SHIPE	N/A

Page 17 of 58 Reference No.: WTX23X12264033S

01	EN 62368		1, 1, 1,
Clause	Requirement – Test	Result – Remark	Verdict
10.4.1.d)	Normal, abnormal, single-fault conditions	NITE WALLE WALLES	N/A
10.4.1.e)	Enclosure material employed as safeguard is opaque	TEK NITEK ANITEK ANITE	N/A
10.4.1.f)	UV attenuation	No UV.	N/A
10.4.1.g)	Materials resistant to degradation UV	No UV.	N/A
10.4.1.h)	Enclosure containment of optical radiation	No required.	N/A
10.4.1.i)	Exempt Group under normal operating conditions	MUFTER MUET MUTE M	N/A
10.4.2	Instructional safeguard	Not required.	N/A
10.5	Protection against x-radiation	No X-radiation.	N/A
10.5.1	X- radiation energy source that exists equipment	MULL MULL MULL	N/A
" Muse	Normal, abnormal, single fault conditions	NITER WITE WITE	N/A
t let	Equipment safeguards	The state of	N/A
m.	Instructional safeguard for skilled person	MITER WALL WALL WA	N/A
10.5.3	Most unfavourable supply voltage to give maximum radiation	TEX SITES NITES MILI	H MUTE MUTE
1 × 4	Abnormal and single-fault condition		N/A
in the	Maximum radiation (pA/kg)	White white	N/A
10.6	Protection against acoustic energy sources		N/A
10.6.1	General	MITE ANLIE WALL OF	N/A
10.6.2	Classification		N/A
111.	Acoustic output, dB(A)	the mult mil me	N/A
CLIER IN	Output voltage, unweightedr.m.s	at at all	N/A
10.6.4	Protection of persons	in Aure Aur Aur	N/A
ITER SINIT	Instructional safeguards	· Jek Jek Jek	N/A
et liet	Equipment safeguard prevent ordinary person to RS2	Mr. Mr. Mr.	-
	Means to actively inform user of increase sound pressure	mer mer wer wi	* ** =
mr n	Equipment safeguard prevent ordinary person to RS2	LIET WALTE WALTE WAL	mu. –
10.6.5	Requirements for listening devices (headphones, earphones, etc.)	White White white	N/A
10.6.5.1	Corded passive listening devices with analog input	MILIER MALIER MALIER	N/A
MUTER.	Input voltage with 94 dB(A) L _{Aeq} acoustic pressure output	THE STEE WILL SON	TEX WAY
10.6.5.2	Corded listening devices with digital input		N/A

Reference No.: WTX23X12264033S Page 18 of 58

EN 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
ZII ETE	Maximum dB(A)	NITE WALLEY WALLEY WALTER W	
10.6.5.3	Cordless listening device	at at let set set si	N/A
20, 20	Maximum dB(A)	in min my my my	

B-	NORMAL OPERATING CONDITION TESTS, A CONDITION TESTS AND SINGLE FAULT CO		P
B.2	Normal Operating Conditions	directly marine marine and	Р
B.2.1	General requirements	. (See summary of testing& appended test tables)	IT PIE
NATER OF	Audio Amplifiers and equipment with audio amplifiers	et sifet miret miret sunif	N/A
B.2.3	Supply voltage and tolerances	4 4 4	N/A
B.2.5	Input test	(See appended table B.2.5)	Р
B.3	Simulated abnormal operating conditions	The state of the state of	N/A
B.3.1	General requirements	nite unite white white	N/A
B.3.2	Covering of ventilation openings	a state of the	N/A
B.3.3	D.C. mains polarity test	The wife with any and	N/A
B.3.4	Setting of voltage selector	at the state of	N/A
B.3.5	Maximum load at output terminals	The same said	N/A
B.3.6	Reverse battery polarity	THE THE STATE OF	N/A
B.3.7	Abnormal operating conditions as specified in Clause E.2.	who we set the	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions	THE WALL WAS THE THE	N/A
B.4	Simulated single fault conditions	THE OUTE WAIT WALL WALL	√ P
B.4.2	Temperature controlling device open or short-circuited	No such controlling device	N/A
B.4.3	Motor tests	111 111 11 11	N/A
B.4.3.1	Motor blocked or rotor locked increasing the internal ambient temperature	UNITED WHITE WALTE WALL V	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)	P
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	Р
B.4.4.3	Short circuit of functional insulation on coated printed boards	MULTI MULT MULT WAY	N/A
B.4.5	Short circuit and interruption of electrodes in tubes and semiconductors	NUTER WALTER WALL WILL W	N/A

	EN 62368	3-1 pt let let let	
Clause	Requirement – Test	Result – Remark	Verdict
B.4.6	Short circuit or disconnect of passive components	(See appended table B.4)	Р
B.4.7	Continuous operation of components	Not intermittent or short-time operation equipment	N/A
B.4.8	Class 1 and Class 2 energy sources within limits during and after single fault conditions	WALTER WALTER WALTER WALTER	Р
B.4.9	Battery charging under single fault conditions	THE MILES WHITE WHITE	N/A
Cartie	UV RADIATION	The state states states and	N/A
C.1	Protection of materials in equipment from UV radiation	No UV radiation within the EUT.	N/A
C.1.2	Requirements	Mur Mr Mr M	N/A
C.1.3	Test method	. Let I TEX LIFE OLITER	N/A
C.2	UV light conditioning test	Mr. Mr. M. M.	N/A
C.2.1	Test apparatus	THE THE NITE OF	N/A
C.2.2	Mounting of test samples	W. M. W. M.	N/A
C.2.3	Carbon-arc light-exposure apparatus	THE STEE STEE WITE WAL	N/A
C.2.4	Xenon-arc light exposure apparatus		N/A
Vice Miles		in the water	in 1
D.F. K	TEST GENERATORS	- A	N/A
D.1	Impulse test generators	with white white	N/A
D.2	Antenna interface test generator	a state of the	N/A
D.3	Electronic pulse generator	HITE WALL MALL WAS MY	N/A
CLIER IS	With White while whi will and will a	at at let the sit	NITES.
Ē v	TEST CONDITIONS FOR EQUIPMENT CONT	AINING AUDIO AMPLIFIERS	N/A
E.1	Audio amplifier normal operating conditions	· Let List List wife	N/A
	Audio signal voltage (V)	The me in an	
MILTE	Rated load impedance (Ω)	tet tet stret mile s	1 ¹ 311
E.2	Audio amplifier abnormal operating conditions	(See appended table B.3)	N/A
WILL	A AND AND AND SHEET SHEET	THE STEE WITE WITE WAS	MULL
PLIEK ON	EQUIPMENT MARKINGS, INSTRUCTIONS, A SAFEGUARDS	ND INSTRUCTIONAL	P
F.1	General requirements	my my my and	Р
LE WILL	Instructions – Language	Instructions in English are checked	المرايد
F.2	Letter symbols and graphical symbols	at the the the	Р
F.2.1	Letter symbols according to IEC60027-1	Up and the say	Р

EN 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	
F.2.2	Graphic symbols IEC, ISO or manufacturer specific	ALTER MALTER WALLER WATER WAS	Р	
F.3	Equipment markings	LIER OLIER MILE WILLE WALL	₩.P	
F.3.1	Equipment marking locations	Located on the enclosure surface	Р	
F.3.2	Equipment identification markings	INCIE WALL WILL WALL WALL	Р	
F.3.2.1	Manufacturer identification	. See copy of marking plate	JE# -	
F.3.2.2	Model identification	See page 1 for details	70,	
F.3.3	Equipment rating markings	at at the the st	Р	
F.3.3.1	Equipment with direct connection to mains	The Mer and Any and	N/A	
F.3.3.2	Equipment without direct connection to mains	See the copy of marking plate for detail.	MILLA	
F.3.3.3	Nature of supply voltage	. See the copy of marking plate for detail.	ALTE P	
F.3.3.4	Rated voltage	W The state of the	d -	
F.3.3.4	Rated frequency	RETER MALTE MALL MALL MA	1/4	
F.3.3.6	Rated current or rated power	I at the st		
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	2 24 24 24	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	all mer and an an	N/A	
F.3.5.4	Replacement battery identification marking	ier mite white white whi	N/A	
F.3.5.5	Terminal marking location	at at at at	N/A	
F.3.6	Equipment markings related to equipment classification	mer mer me me	N/A	
F.3.6.1	Class I Equipment	NITER WITE WITE WITE WITE	N/A	
F.3.6.1.1	Protective earthing conductor terminal		N/A	
F.3.6.1.2	Neutral conductor terminal	life with mill and any	N/A	
F.3.6.1.3	Protective bonding conductor terminals	e at at let state	N/A	
F.3.6.2	Class II equipment (IEC60417-5172)	White Must who will	N/A	
F.3.6.2.1	Class II equipment with or without functional earth	CLIEF WILLER WATER WATER	N/A	
F.3.6.2.2	Class II equipment with functional earth terminal marking	TEX TIES NITES MITTER AND	N/A	
F.3.7	Equipment IP rating marking	. IPX0, no marking is needed		

Reference No.: WTX23X12264033S Page 21 of 58

× 240	EN 62368		ir are of
Clause	Requirement – Test	Result – Remark	Verdict
F.3.8	External power supply output marking	THE NITE MILES NOT	N/A
F.3.9	Durability, legibility and permanence of	by my my	P
, v. v.	marking	TEX OLITER MALTER MALTER	MULL MULL
F.3.10	Test for permanence of markings		A AP
F.4	Instructions	INLIE WALL WALL OF	D. P.
EK WALTE	a) Equipment for use in locations where children not likely to be present - marking	STEEL STEEL STATES SAN	N/A
- 2Et	b) Instructions given for installation or initial use	71, 72, 7	P.
Mrr.	c) Equipment intended to be fastened in place	LIER OLIER WALTER WALTER	N/A
UNLIEK W	d) Equipment intended for use only in restricted access area	at lifet wifet milet	N/A
TER MUT	e) Audio equipment terminals classified as ES3 and other equipment with terminals marked in accordance F.3.6.1	MILIER WATER WATER W	N/A
y Jie	f) Protective earthing employed as safeguard	a de de s	N/A
ZEX.	g) Protective earthing conductor current exceeding ES 2 limits	mer was well with	N/A
me i	h) Symbols used on equipment	TER WILL MULL MULL	N/A
nliek wh	Permanently connected equipment not provided with all-pole mains switch	A LET MINISTER	N/A
SEEK MILTS	j) Replaceable components or modules providing safeguard function		N/A
F.5	Instructional safeguards	No required.	Р
White	Where "instructional safeguard" is referenced in the test report it specifies the required elements, location of marking and/or instruction	THE WHITE WAITER WHITE	Junii IIP
G	COMPONENTS	int we are	All St P
G.1	Switches	AUTIC MITTING	N/A
G.1.1	General requirements	No switches used	N/A
G.1.2	Ratings, endurance, spacing, maximum load	Merch and and and	N/A
G.2	Relays	at at at of	N/A
G.2.1	General requirements	Approved relay used	N/A
G.2.2	Overload test	of the the tier	N/A
G.2.3	Relay controlling connectors supply power	me, me me	N/A
G.2.4	Mains relay, modified as stated in G.2	THE LIFE WIFE A	N/A
G.3	Protection Devices	211- 211, 411, 111	N/A
G.3.1	Thermal cut-offs	THE THE STATE STATE	N/A

Reference No.: WTX23X12264033S	Page 22 of 58
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Clause	EN 62368		\/==t
Clause	Requirement – Test	Result – Remark	Verdict
G.3.1.1a) &b)	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	Approved Thermal cut-off used	N/A
G.3.1.1c)	Thermal cut-outs tested as part of the equipment as indicated in c)	t at the test states	N/A
G.3.1.2	Thermal cut-off connections maintained and secure	AND AND AND AND	N/A
G.3.2	Thermal links	WITE WITE WILL WILL S	N/A
G.3.2.1a)	Thermal links separately tested with IEC 60691	No thermal link used	N/A
G.3.2.1b)	Thermal links tested as part of the equipment	The state of the	N/A
in a	Aging hours (H)	ele mite antile anti-anti-	n
TEK JE	Single Fault Condition	a of the left	56t-
711	Test Voltage (V) and Insulation Resistance (Ω).	white mit we we	2, _2,
G.3.3	PTC Thermistors	No PTC used	N/A
G.3.4	Overcurrent protection devices	With the My My My	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	Tet it	N/A
G.3.5.2	Single faults conditions	(See appended Table B.4)	N/A
G.4	Connectors	The little	N/A
G.4.1	Spacings	My Muss My My	N/A
G.4.2	Mains connector configuration	THE THE LITTER STITES OF	N/A
G.4.3	Plug is shaped that insertion into mains socket-outlets or appliance coupler is unlikely	at the text text of	N/A
G.5	Wound Components	in mir any any an	N/A
G.5.1	Wire insulation in wound components	- THE THE LITTER SLITTER	N/A
G.5.1.2 a)	Two wires in contact inside wound component, angle between 45° and 90°	THE WAY THE THE	N/A
G.5.1.2 b)	Construction subject to routine testing	AUTE AUTE PAUL AUTE A	N/A
G.5.2	Endurance test on wound components	it it to the	N/A
G.5.2.1	General test requirements	in mr mr m	N/A
G.5.2.2	Heat run test	at left the till oute	N/A
	Time (s)	me me me	
it with	Temperature (°C)	itet alies miles anire	" " " " " " " " " " " " " " " " " " "
G.5.2.3	Wound Components supplied by mains	The ship is the	N/A
G.5.3	Transformers	TITEL RITER MATTER MATTER ON	N/A
G.5.3.1	Requirements applied (IEC61204-7, IEC61558-1/-2, and/or IEC62368-1)	et let let liet si	N/A



	EN 623	68-1	alter alter an
Clause	Requirement – Test	Result – Remark	Verdict
WILL STORY	Position	1.72 - 1.74 - 1.75 - 1.76	TER TE TOTAL
- ,+		2 2 2	
0.500	Method of protection		, 111 11 11 11 11 11 11 11 11 11 11 11 1
G.5.3.2	Insulation	The April 100 A	N/A
in our	Protection from displacement of windings	4	while where
G.5.3.3	Overload test	1/1 1/2	N/A
G.5.3.3.1	Test conditions	A WILL MATER MATER OF	N/A
G.5.3.3.2	Winding Temperatures testing in the unit		N/A
G.5.3.3.3	Winding Temperatures - Alternative test method	WILLER MULTER WHILL WILL	N/A
G.5.4	Motors	JEK JEK JEK MITE	N/A
G.5.4.1	General requirements	is the minimum	N/A
rice where	Position	rel liter which whiter	المريد المريد المريد
G.5.4.2	Test conditions	4, 4,	N/A
G.5.4.3	Running overload test	CITER MITER WALTE WA	N/A
G.5.4.4	Locked-rotor overload test	10 10 11 11	N/A
	Test duration (days)	THE WALTE WALTE WALL	mr mr
G.5.4.5	Running overload test for d.c. motors in secondary circuits	it at anitet	N/A
G.5.4.5.2	Tested in the unit		N/A
in me	Electric strength test (V)	A MITE WALL W	vr. "n _{er} "n _u
G.5.4.5.3	Tested on the Bench - Alternative test metho test time (h)		N/A
,dt	Electric strength test (V)	"The Annual Property of the Annual Property o	- d d
G.5.4.6	Locked-rotor overload test for d.c. motors in secondary circuits	IN THE WALTER WALTER	N/A
G.5.4.6.2	Tested in the unit	CE THE LIFE PLICE	N/A
at at	Maximum Temperature	41, 41, 41,	N/A
Mer	Electric strength test (V)	LIFE OLITER MITE AND	N/A
G.5.4.6.3	Tested on the bench - Alternative test method test time (h)		N/A
+	Electric strength test (V)	"III " " " " " " " " " " " " " " " " "	N/A
G.5.4.7	Motors with capacitors	Tex Street outer Wife	N/A
G.5.4.8	Three-phase motors	24 24	N/A
G.5.4.9	Series motors	EN STEE WITE WITE	N/A
+ TEX	Operating voltage	4	et et s
G.6	Wire Insulation	THE RULE WITH ON	N/A

Reference No.: WTX23X12264033S Page 24 of 58

2/1/2	EN 62368		ice an
Clause	Requirement – Test	Result – Remark	Verdict
G.6.1	General	Approved TIW used as secondary winding of mains transformer	N/A
G.6.2	Solvent-based enamel wiring insulation	TER OFFER OUTE MILL MULT	N/A
G.7	Mains supply cords	L A A A	N/A
G.7.1	General requirements	No such cords provided	N/A
Et TEX	Туре	at let let let	JEK - 13
2,,	Rated current (A)	mer me me me m	20
" NLTER"	Cross-sectional area (mm²), (AWG)	at let the state of	15 15-16
G.7.2	Compliance and test method	Tr. Mrs. Mrs. Mrs. Mrs.	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	EX WATER MATER WATER WATER	N/A
G.7.3.2	Cord strain relief	at the the the	N/A
G.7.3.2.1	Requirements	must me me in	N/A
JALTE.	Strain relief test force (N)	tet tet stiet stiet st	126 111-77
G.7.3.2.2	Strain relief mechanism failure	nr m m	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm)	TEX STEEL STEEL WITE MILE	W.
G.7.3.2.4	Strain relief comprised of polymeric material	The state of	N/A
G.7.4	Cord Entry	Marie Whi	N/A
G.7.5	Non-detachable cord bend protection	+ ,st	N/A
G.7.5.1	Requirements	With With With Mile A	N/A
G.7.5.2	Mass (g)	a state of the	Set July
an a	Diameter (m)		20
	Temperature (°C)	est lest liest little	O LIE
G.7.6	Supply wiring space	ant we are	N/A
G.7.6.2	Stranded wire	- THE THE THE NUTER	N/A
G.7.6.2.1	Test with 8 mm strand	Any Any Any Any	N/A
G.8	Varistors	TER STER WITER WITE ON	N/A
G.8.1	General requirements	14 14 14 1	N/A
G.8.2	Safeguard against shock	THE REFERENCE WALL MALLE WALL	N/A
G.8.3	Safeguard against fire		N/A
G.8.3.2	Varistor overload test	the south south south south	N/A
G.8.3.3	Temporary overvoltage	and the state of	N/A
G.9	Integrated Circuit (IC) Current Limiters	with mit mit was a	N/A
G.9.1 a)	Manufacturer defines limit at max. 5A.	at the test of	N/A
G.9.1 b)	Limiters do not have manual operator or reset	Will Mer Mer Mer My	N/A
G.9.1 c)	Supply source does not exceed 250 VA	a state of	JE.

Page 25 of 58 Reference No.: WTX23X12264033S

ITER OUTE	EN 62368	3-1 A At At At	alife J
Clause	Requirement – Test	Result – Remark	Verdict
	THE WALL WALL AND THE	the second second	
G.9.1 d)	IC limiter output current (max. 5A)		
G.9.1 e)	Manufacturers' defined drift	at at all all said	The state of
G.9.2	Test Program 1	y Mr. Mr. M. M.	N/A
G.9.3	Test Program 2	t get get giet miles	N/A
G.9.4	Test Program 3	me me m m	N/A
G.10	Resistors	TEX STEX STEE WITE SOLVE	N/A
G.10.1	General requirements	No such resistors used	N/A
G.10.2	Resistor test	THE STEE OUTE SOUTH SUNT	N/A
G.10.3	Test for resistors serving as safeguards between the mains and an external circuit consisting of a coaxial cable	et outliet muliet muliet muliet	N/A
G.10.3.1	General requirements	at let let liet	N/A
G.10.3.2	Voltage surge test	while the the the	N/A
G.10.3.3	Impulse test	the after the state of	N/A
G.11	Capacitor and RC units	MUT AUG AUG AUG AUG	N/A
G.11.1	General requirements	LER TER THE NUTER WITH	N/A
G.11.2	Conditioning of capacitors and RC units	The	N/A
G.11.3	Rules for selecting capacitors	A LIFE OF STATE WITE	N/A
G.12	Optocouplers		N/A
t TEX	Optocouplers comply with IEC 60747-5-5:2007 Spacing or Electric Strength Test (specify option and test results)	MILE WHITE WHITE WHITE W	N/A
n.	Type test voltage Vini	The will are my me	12,
LITET IS	Routine test voltage, Vini,b	at the text of	
G.13	Printed boards	The sure of the	Р
G.13.1	General requirements	Approved Printed board used	Р
G.13.2	Uncoated printed boards	Alley Alley Any Alley	N/A
G.13.3	Coated printed boards	TEX TEX STEE STIET OF	N/A
G.13.4	Insulation between conductors on the same inner surface	and such that they off	N/A
Cler 1	Compliance with cemented joint requirements (Specify construction)	Complied with clause 5.4.4.5 item c)	J. J. J.
G.13.5	Insulation between conductors on different surfaces	with mer and an	N/A
Ance	Distance through insulation	RETER MILITE WALTER WALL V	N/A
y whitek	Number of insulation layers (pcs)	TITEL WILLER WITTER WATER WA	EF AUT
	it let silet silet and while	10 10 10 10 10 10 10 10 10 10 10 10 10 1	
G.13.6	Tests on coated printed boards	tel tell till nitt mil	N/A

Page 26 of 58

70.	EN 62368		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
G.13.6.1	Sample preparation and preliminary inspection	TEL NITE INTERNA	N/A
G.13.6.2a)	Thermal conditioning	V 10 20 1	N/A
G.13.6.2b)	Electric strength test	THE OLICE WILL WALLE	N/A
G.13.6.2c)	Abrasion resistance test	10° 1	N/A
G.14	Coating on components terminals	WILL WALL	N/A
G.14.1	Requirements	(See G.13)	N/A
G.15	Liquid filled components	(Coc C.10)	N/A
G.15.1	General requirements	1 1 1 1 5	N/A
G.15.2	Requirements	The state of the s	N/A
G.15.3	Compliance and test methods	et tet det sligt	N/A
G.15.3.1	Hydrostatic pressure test	Ang Ang My	N/A
G.15.3.2	Creep resistance test	THE ALTER BLICK	N/A
G.15.3.3	Tubing and fittings compatibility test	The Market	N/A
G.15.3.4	Vibration test	LIFET MITTER MALIER WA	N/A
G.15.3.5	Thermal cycling test		N/A
G.15.3.6	Force test	TEL WILL MULL MULL	N/A
G.15.4	Compliance		N/A
G.16	IC including capacitor discharge function (IC	EX)	N/A
a)	Humidity treatment in accordance with sc5.4.8 – 120 hours	CHITE MILITE MILITE	N/A
b)	Impulse test using circuit 2 with Uc = to transient voltage	cited nitled unitled suni	N/A
C1)	Application of ac voltage at 110% of rated voltage for 2.5 minutes	et let slet slet	N/A
C2)	Test voltage	24. 24. 24.	A 15
D1)	10,000 cycles on and off using capacitor with smallest capacitance resistor with largest resistance specified by manufacturer	White white white	N/A
D2)	Capacitance	WILLE MULL MULL AN	. " " " " " " " " " " " " " " " " " " "
D3)	Resistance	at at at a	1 11 to 12 to
2, 4,	4 of the tell outsit outsit of	the man man and	20, 20,
HITE JOLI	CRITERIA FOR TELEPHONE RINGING SIGNA	ALS	N/A
H.1	General	me me	N/A
H.2	Method A	TER LIER LIER	N/A
H.3	Method B	my me my	N/A
H.3.1	Ringing signal	LIER ALTER MATERIAL	N/A
H.3.1.1	Frequency (Hz)	1. 21, 2, 2, 2	

Reference No.: WTX23X12264033S

Reference No.: WTX23X12264033S	Page 27 of 58
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The Maria	EN 6236	3-1 At At Att	WELL M
Clause	Requirement – Test	Result – Remark	Verdict
H.3.1.2	Voltage (V)	LIE ALIER MIER MITER	(1 ^k 100)
H.3.1.3	Cadence; time (s) and voltage (V)		0 20
H.3.1.4	Single fault current (mA):	(100
H.3.2		1 2 2	N/A
H.3.2.1	Tripping device and monitoring voltage	INTERNATE VALLE VALLE	IN/A
П.З.2.1	Conditions for use of a tripping device or a monitoring voltage complied with	at let set	N/A
H.3.2.2	Tripping device	MULL MAL MAL MAL WAS	N/A
H.3.2.3	Monitoring voltage (V)	let tet tet ster st	[] [] [] [] [] [] [] [] [] [] [] [] [] [
3	at let set set set after again a	Tr. Mr. Mr. Mr. M.	
Jeres on	INSULATED WINDING WIRES FOR USE WIT	HOUT INTERLEAVED	N/A
iter _v anit H	General requirements	Triple insulated wires complied with annex U of IEC 60950-1 (it was identical to annex J of this standard)	N/A
	The left that white white	with the the the	
K	SAFETY INTERLOCKS	THE STEE STEEL STIFF SING	N/A
K.1	General requirements	No safety interlocks inside the EUT	N/A
K.2	Components of safety interlock safeguard mechanism	Tall the sur	N/A
K.3	Inadvertent change of operating mode	WILL MILL MULL MILL	N/A
K.4	Interlock safeguard override	at at at tet	N/A
K.5	Fail-safe Fail-safe	Hill Mary Mary Mary My	N/A
NITER I	Compliance	at at let let il	N/A
K.6	Mechanically operated safety interlocks	in the the man	N/A
K.6.1	Endurance requirement	- TEN TEN STEEN NITER	N/A
K.6.2	Compliance and Test method	The Mr. M. M.	N/A
K.7	Interlock circuit isolation	TEX TEX STEE STEE	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements (type and circuit location)	THE WITER MUTER WATER WAS	N/A
K.7.2	Overload test, Current (A)	and the state of	N/A
K.7.3	Endurance test	antic mitty many mit	N/A
K.7.4	Electric strength test	at all left till	N/A
17,	The set of the state with	white with min min	67
t outer	DISCONNECT DEVICES	at the the the	N/A
L.1	General requirements	ury mur any any any	N/A
L.2	Permanently connected equipment	x 12 12 15	N/A

Page 28 of 58 Reference No.: WTX23X12264033S

2000	EN 62368-1	2/6/ 0/1
Clause	Requirement – Test Result – Remark	Verdict
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
	LET LES LIES WITH WILL MILL WIN WIN WAY	A 10
Marin a	EQUIPMENT CONTAINING BATTERIES AND THEIR PROTECTION CIRCUIT	S P
M.1	General requirements	P
M.2	Safety of batteries and their cells	JIII P
M.2.1	Requirements	P
M.2.2	Compliance and test method (identify method)	J P
M.3	Protection circuits	P.
M.3.1	Requirements	Р
M.3.2	Tests	₽ [©]
14. 14.	- Overcharging of a rechargeable battery	N/A
nliek wali	- Unintentional charging of a non-rechargeable battery	Р
CENT CLER	- Reverse charging of a rechargeable battery	N/A
2/1	- Excessive discharging rate for any battery	N/A
M.3.3	Compliance	P
M.4	Additional safeguards for equipment containing secondary lithium battery	N/A
M.4.1	General	N/A
M.4.2	Charging safeguards	N/A
M.4.2.1	Charging operating limits	N/A
M.4.2.2a)	Charging voltage, current and temperature	STEEL OF
M.4.2.2 b)	Single faults in charging circuitry	6)
M.4.3	Fire Enclosure	N/A
M.4.4	Endurance of equipment containing a secondary lithium battery	N/A
M.4.4.2	Preparation	N/A
M.4.4.3	Drop and charge/discharge function tests	N/A
70	Drop	N/A
MILLER	Charge	N/A
· ·	Discharge	N/A
M.4.4.4	Charge-discharge cycle test	N/A

Page 29 of 58 Reference No.: WTX23X12264033S

01	EN 62368		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
Clause	Requirement – Test	Result – Remark	Verdict		
M.4.4.5	Result of charge-discharge cycle test	NITER WHITE WHITE WHITE WHI	N/A		
M.5	Risk of burn due to short circuit during carrying				
M.5.1	Requirement	The state of the	N/A		
M.5.2	Compliance and Test Method (Test of P.2.3)	THE WALL WALL WALL WALL	N/A		
M.6	Prevention of short circuits and protection from other effects of electric current	LIET OLIER WILES MILIER ON	N/A		
M.6.1	Short circuits	in in the	N/A		
M.6.1.1	General requirements	LIER MITER MITER WHITE WALLE	N/A		
M.6.1.2	Test method to simulate an internal fault	. I to the state of	N/A		
M.6.1.3	Compliance (Specify M.6.1.2 or alternative method)	White with white white	N/A		
M.6.2	Leakage current (mA)		N/A		
M.7	Risk of explosion from lead acid and NiCd batteries	THE THE STIFF STIFF W	N/A		
M.7.1	Ventilation preventing explosive gas concentration	of the text the state of	N/A		
M.7.2	Compliance and test method	in the the the	N/A		
M.8	Protection against internal ignition from external spark sources of lead acid batteries	THE WALTER	N/A		
M.8.1	General requirements	The gate	N/A		
M.8.2	Test method	write are and any	N/A		
M.8.2.1	General requirements	at at the state of	N/A		
M.8.2.2	Estimation of hypothetical volume Vz (m³/s)	the man and any	_		
M.8.2.3	Correction factors	et tet jet jiet nije	INLIE .		
M.8.2.4	Calculation of distance d (mm)	The Me in m	``		
M.9	Preventing electrolyte spillage	· The The Still Will.	N/A		
M.9.1	Protection from electrolyte spillage	Any Any Any	N/A		
M.9.2	Tray for preventing electrolyte spillage	LIER WILL WILL MILE MILE	N/A		
M.10	Instructions to prevent reasonably foreseeable misuse (Determination of compliance: inspection, data review; or abnormal testing)	Mentioned in battery specification	P		
CLIFE JA	The mail with my me	at lest rest trest attention	MITER		
N	ELECTROCHEMICAL POTENTIALS	me me me	N/A		
TEN WILL	Metal(s) used	tet tet stet atter.	1712 M		
الحرير الم	THE THE STATE MILE MINITED WALL	m. m. m.	et .		
0	MEASUREMENT OF CREEPAGE DISTANCE	S AND CLEARANCES	N/A		

Reference No.: WTX23X12264033S Page 30 of 58

LIER WIT	with mit me me	EN 62368-1	LIFE WIFE WALTE
Clause	Requirement – Test	Result – Remark	Verdict

70.	the state of the state of	they are my my my	55347
DULLER W	SAFEGUARDS AGAINST ENTRY OF FOREIGN INTERNAL LIQUIDS	ON OBJECTS AND SPILLAGE OF	N/A
P.1	General requirements	the state of the s	N/A
P.2.2	Safeguards against entry of foreign object	with while were a	N/A
Et JEY	Location and Dimensions (mm)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	er
P.2.3	Safeguard against the consequences of entry of foreign object	MILL MILL WITH THE	N/A
P.2.3.1	Safeguards against the entry of a foreign object	LIE WHILE WILL WILL WILL	N/A
ner on	Openings in transportable equipment	ex rise site mile mile	N/A
LIEK WALT	Transportable equipment with metalized plastic parts	Tet TET TET STEEL	N/A
P.2.3.2	Openings in transportable equipment in relation to metallized parts of a barrier or enclosure (identification of supplementary safeguard)	Writer Muries Muries Muries Muries	N/A
P.3	Safeguards against spillage of internal liquids	No internal liquids.	N/A
P.3.1	General requirements	3 1 t st	N/A
P.3.2	Determination of spillage consequences	the state with a	N/A
P.3.3	Spillage safeguards		N/A
P.3.4	Safeguards effectiveness	With with whit will w	N/A
P.4	Metallized coatings and adhesive securing parts	No metallized coatings or adhesive securing parts.	N/A
P.4.2 a)	Conditioning testing	, , , , , , , , , , , , , , , , , , ,	N/A
mr. m	Tc (°C)	tel nite inite while while	in_
1t 5	Tr (°C)	1 1 1 1	. (6 <u>t</u>
, 'n,	Ta (°C)	WILL MULL MAN MAN AND	
P.4.2 b)	Abrasion testing		N/A
P.4.2 c)	Mechanical strength testing	Will mer mer and any	N/A
LIE	of the write with white will all the	the little state and the	RETE
Q	CIRCUITS INTENDED FOR INTERCONNECT	ON WITH BUILDING WIRING	N/A
Q.1	Limited power sources	of the tree street outlest.	N/A
Q.1.1 a)	Inherently limited output	me me me	N/A
Q.1.1 b)	Impedance limited output	THE LIFE SLITE MITE A	N/A
* WULLER	- Regulating network limited output under normal operating and simulated single fault condition	MILER MILER MILER MILER ON	N/A
Q.1.1 c)	Overcurrent protective device limited output		N/A

Page 31 of 58 Reference No.: WTX23X12264033S

Clause	Requirement – Test	Result – Remark	Verdict
Clause	Requirement – Test	Result – Remark	verdict
Q.1.1 d)	IC current limiter complying with G.9	ALTER MALIER WALES	N/A
Q.1.2	Compliance and test method	at at alt all	N/A
Q.2	Test for external circuits – paired conductor cable	The man man	N/A
, m	Maximum output current (A)	WILL WALL WALL	mr ma
ek alter	Current limiting method	at the first	itek ditek d a
R	LIMITED SHORT CIRCUIT TEST	MUT MUT MILL M	N/A
R.1	General requirements	Life mile will will	N/A
R.2	Determination of the overcurrent protective	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
7.2	device and circuit	ER MALTER WALTER WALTER	PILL MA
R.3	Test method Supply voltage (V) and short-circuit current (A)).	MITER WITER WITER	N/A
t the	LIER WITE WALL WHILL AND AND AND	1 + A	let let is
S	TESTS FOR RESISTANCE TO HEAT AND FIL	RE I WILL WILL WILL	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	TEX WHITEX WHITEX WALT	N/A
LIE WIL	Samples, material	A CONTRACTOR	antie unii-
at 20	Wall thickness (mm)	1 1	
	Conditioning (°C)	alter mite online	لاتناء المهاوي المحالة
.WALTER	Test flame according to IEC 60695-11-5 with conditions as set out	TEX TEX STER ON	N/A
- A	- Material not consumed completely		N/A
mers an	- Material extinguishes within 30s	TEX STEEL WITER WITE	w N/A
J 4	- No burning of layer or wrapping tissue	24	N/A
S.2	Flammability test for fire enclosure and fire barrier integrity	White White White	N/A
	Samples, material	TEX STEX WITE ST	life with
. Et	Wall thickness (mm)	in in in i	* * * * * * * * * * * * * * * * * * *
11/12 1	Conditioning (°C)	LIER MITER MILIE WILL	Mer Mur
NITEK WY	Test flame according to IEC 60695-11-5 with conditions as set out	# lifet whilet writes	N/A
TEK MITE	Test specimen does not show any additional hole	set fet get	N/A
S.3	Flammability test for the bottom of a fire enclosure	The sure sure a	N/A
-2,1	Samples, material	Will will my My	10 10
TEX.	Wall thickness (mm)	, L A A	× 16 56

Page 32 of 58

Reference No.: WTX23X12264033S

1 (01010110)	11011 11111201122010000	7 490 02 01 00	
OLITER INLI	in with much much much	EN 62368-1	ALTER WALTER MALT
Clause	Requirement – Test	Result – Remark	Verdict

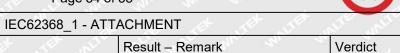
Clause	Requirement – Test	Result – Remark	verdict
A CLEE	all mit with with the	The second second	Willes Wille
- 2n	Cheesecloth did not ignite	With My My My	N/A
S.4	Flammability classification of materials	at at all set	N/A
S.5	Flammability test for fire enclosure materials of equipment with a steady-state power exceeding 4000 W	the walk walter walter wal	N/A
EX LITE	Samples, material	A 1 1 1 1 1	TEK TIT
20	Wall thickness (mm)	write mil with whi	21 20
DLIE	Conditioning (test condition), (°C)	let let liet liet	mii it maile
JEK .	Test flame according to IEC 60695-11-20 with conditions as set out	at the set of	N/A
16th - 40 16th - 40	After every test specimen was not consumed completely	white must must an	N/A
4 °4	After fifth flame application, flame extinguished within 1 min	WHITE WHITE WHILL WAS	N/A
"Inti	Aug and an an text	THE STEEL WITH WITH	mi, mr.
T A	MECHANICAL STRENGTH TESTS	m m t	P
T.1 3	General requirements	IER WILLER WILLER MUTTER MUTTER	nii Jin'P
T.2	Steady force test, 10 N	(see appended table T2)	N/A
T.3	Steady force test, 30 N	and the same	N/A
T.4	Steady force test, 100 N		N/A
T.5	Steady force test, 250 N	MULLE MULLE MULL MULL	N/A
T.6	Enclosure impact test	The set set set	N/A
20	Fall test	THE MET MUT MUT.	N/A
ur ^{lier} N	Swing test	et let let liet liet o	N/A
T.7	Drop test	The The The Land	N/A
T.8	Stress relief test	(See appended table T.8)	In Par
T.9	Impact Test (glass)	No glass used	N/A
T.9.1	General requirements	NITE WALTER WALLE WALL	N/A
T.9.2	Impact test and compliance	at at all all	N/A
20, 1	Impact energy (J)	the mer mer mer a	n
ALTER OF	Height (m)	the tell tell stell of	JER JALTE J
T.10	Glass fragmentation test	my my my m	N/A
T.11	Test for telescoping or rod antennas	THE STIEF STIEF SPITE	N/A
t let	Torque value (Nm)	Mr. Mr. A. A.	d -d
Mil	The the the	LIET ALTER MITTER MAILE	mi mi

Reference No.: WTX23X12264033S Page 33 of 58

THE MET	antite water water when	EN 62368-1	TER WILL MILL
Clause	Requirement – Test	Result – Remark	Verdict

U-m	MECHANICAL STRENGTH OF CATHODE RAY TUBES (CRT) AND PROTECTION AGAINST THE EFECTS OF IMPLOSION		
U.1	General requirements	No CRTs	N/A
U.2	Compliance and test method for non-intrinsically protected CRTs	THE THEY STIFF MITER MILE	N/A
U.3	Protective Screen	The same same same same same same same sam	N/A
V	DETERMINATION OF ACCESSIBLE PART WEDGES)	S (FINGERS, PROBES AND	N/A
V.1	Accessible parts of equipment	May the My M.	N/A
V.2	Accessible part criterion	LEK TEK TEK ALTE IN	N/A

Reference No.: WTX23X12264033S Page 34 of 58



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

Requirement - Test

Clause

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

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	CENELEC	COMMON MC	DIFICATI	ONS (EN)				
TER WILTE		bclauses, note 62368-1:2014		igures and anne ed "Z".	xes which ar	e additional to	71/2	ITE P
CONTENT	Annex ZA (r correspondir Annex ZB (r Annex ZC (i	ng Européan p normative)Spe nformative)A-c	mative refe publications cial nationa deviations		Willet D		an i Liek	et Par vinir
WITE WALL	Delete all th		notes in th	e reference do)	JANE P. W.
	0.2.1	Note	1	Note 3	4.1.15	Note		
	4.7.3	Note 1 and 2	5.2.2.2	Note	5.4.2.3.2.2 Table 13	Note c	JNLT E	
	5.4.2.3.2.4	Note 1 and 3	5.4.2.5	Note 2	5.4.5.1	Note	10	
	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3		
	5.7.5	Note	5.7.6.1	Note 1 and 2	10.2.1 Table 39	Note 2, 3 and 4		
	10.5.3	Note 2	10.6.2.1	Note 3	F.3.3.6	Note 3	ur i	
ALTEK O	For special	national con	ditions, se	e Annex ZB.		THE THE		
nitet mit		use of certain sub oment is restricted			Where where	A MILER MIN	, Elt	N/A



Reference No.: WTX23X12264033S

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LIER INLI	white white white	IEC62368_1 - ATTACHMENT	LIER WILE WILL
Clause	Requirement – Test	Result – Remark	Verdict

4.Z1	Add the following new subclause after 4.9:	THE WILL WAT THE MILE	N/A
	To protect against excessive current, short-circuits and earth faults in circuits connected to an a.c. mains, protective devices shall be included either as integral parts of the equipment or as parts of the building installation, subject to the following, a), b) and c): a) except as detailed in b) and c), protective devices necessary to comply with the requirements of B.3.1 and B.4 shall be included as parts of the equipment;	LEK JUNITER JU	Whitek Whitek Whitek Tek White 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	WILLEY W
	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	TEK WALTER WALTER
int whites	If reliance is placed on protection in the building installation, the installation instructions shall so state, except that for pluggable equipment type A the building installation shall be regarded as providing protection in accordance with the rating of the wall socket outlet.	antiti antit votik antiti	gane v strest out est outs
5.4.2.3.2.4	Add the following to the end of this subclause: The requirement for interconnection with external circuit is in addition given in EN 50491-3:2009.	No connection to external circuit.	N/A
10.2.1	Add the following to c) and d) in table 39: For additional requirements, see 10.5.1.	No radiation.	N/A

Page 36 of 58 Reference No.: WTX23X12264033S

		7	0			
ITER INLI	IEC62368_1 - ATTACHMENT					
Clause	Requirement – Test	STER STER WITH	Result – Remark	Verdict		
J 40	11 12 W W			18 18 ST		

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
	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.	UNLIER WHITER WHITER WAS	United Whites W
	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.	the white must have	74 C4
	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.	y united whited whites	White white
	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.	nited whited whited whi	iet un tet unti
	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 of 13 May 1996.	ter white white white	MULTER MALTER O
10.6.1	Add the following paragraph to the end of the subclause: EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.	Added.	N/A
10.Z1	Add the following new subclause after 10.6.5.	LITER MILITER WALLE WALL	N/A
	10.Z1 Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz	ex rex riex with	WALTER WALTER
	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).	MULTER MULTER MULTER	INLIEK JALIEK WIL
	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 Whitek	WALTER WALTER
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 37 of 58 Reference No.: WTX23X12264033S

			70			
LIEN INLI	IEC62368_1 - ATTACHMENT					
Clause	Requirement – Test	TER STEE WATER	Result – Remark	Verdict		

Bibliograph	Add the following standards:	N/A	
у	Add the following notes for the standards indicated:		
	IEC 60130-9 NOTE Harmonized as EN 60130-9.		
	IEC 60269-2 NOTE Harmonized as HD 60269-2.		
VILLE MULL	IEC 60309-1 NOTE Harmonized as EN 60309-1.		
	IEC 60364 NOTE some parts harmonized in HD 384/HD 60364 series.		
	IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4.	CLIENTANI	
	IEC 60664-5 NOTE Harmonized as EN 60664-5.	$n = x_0$	
	IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified).	JEK JE	
	IEC 61508-1 NOTE Harmonized as EN 61508-1.	10	
	IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1.	* Let	
	IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4.	White .	
	IEC 61558-2-6 NOTE Harmonized as EN 61558-2-6.	1	
	IEC 61643-1 NOTE Harmonized as EN 61643-1.	WITE OF	
	IEC 61643-21 NOTE Harmonized as EN 61643-21.		
	IEC 61643-311 NOTE Harmonized as EN 61643-311.	JEE ST	
	IEC 61643-321 NOTE Harmonized as EN 61643-321.	10	
J. St.	IEC 61643-331 NOTE Harmonized as EN 61643-331.		
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)	m-	
4.1.15	Denmark, Finland, Norway and Sweden	N/A	
	To the end of the subclause the following is added:	31122 3	
	Class I pluggable equipment type A intended for connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment shall be connected to an earthed mains socket-outlet.	White White	
	The marking text in the applicable countries shall be as follows:		
	In Denmark : "Apparatetsstikpropskaltilsluttes en stikkontakt med jordsom giver forbindelsetilstikproppensjord."		
	In Finland : "Laite on liitettäväsuojakoskettimillavarustettuunpistorasi aan"	II WALTER	
	In Norway:	t the	
	"Apparatetmåtilkoplesjordetstikkontakt"	Mr. 1	
	In Sweden : "Apparatenskallanslutas till jordatuttag"	LIEK IN	

Reference No.: WTX23X12264033S Page 38 of 58

A S	IEC62368 1 ATT	ACHMENT	10		
IEC62368_1 - ATTACHMENT					
Clause	Requirement – Test	Result – Remark	Verdict		
	att with whi we will	the state of the state of	TE ST		
4.7.3	United Kingdom	THE MULL MUTH WAT MY	N/A		
	To the end of the subclause the following is added:	set tret wifet writes white	MALTER		
	The torque test is performed using a socket- outlet complying with BS 1363, and the plug part shall be assessed to the relevant clauses of BS 1363. Also see Annex G.4.2 of this annex	WHITEK WHITEK WHITEK	MALIER		
5.2.2.2	Denmark	No high touch current measured.	N/A		
	After the 2 nd paragraph add the following:	me my my my	4		
	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.	LIEX WHITEX WHITEX WHITEX WHI	MULTE		

WATE EK



P)			
ITER INLIE	alter inlies unli		
Clause	Requirement – Test	Result – Remark	Verdict

Clause	Requirement – Test	Result – Remark	Verdict
	rift with him him had	a state the	
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:	A LET LET	ALTEK IN
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	White white white white	WILLER MUTE
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	ance and was an a	TEX MULTER
	• one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	the street with the state of	MULTER ON
	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	ALIER WALTER	onliek united
	• 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	Antitet united	MULTER WA
	is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5Kv.	ancie unit mair mair	ier wier
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	et let let like like out	The state of
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	TEX SITES WITES WITER	JUNITER JUNI
	• 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;	Writes miles writes writes w	riek wait
	• the additional testing shall be performed on all the test specimens as described in EN 60384- 14;	t tex tex tex tex	AUTIEK M
TER MUTTER	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.	MUNITER MUTTER MUTTER	NATER WAL



Reference No.: WTX23X12264033S Page 40 of 58

Clause	Requirement – Test	Result – Remark	Verdict
+ All		i st st	- 10
5.5.2.1	Norway After the 3 rd paragraph the following is added: Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	SET WATER WALLEY	N/A
5.5.6	Finland, Norway and Sweden To the end of the subclause the following is added: Resistors used as basic safeguard or bridging basic insulation in class I pluggable equipmenttype A shall comply with G.10.1 and the test of G.10.2.	No such resistor used.	N/A
5.6.1 W	Denmark Add to the end of the subclause Due to many existing installations where the socket-outlets can be protected with fuses with higher rating than the rating of the socket-outlets the protection for pluggable equipment type A shall be an integral part of the equipment. Justification: In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	Added.	N/A
5.6.4.2.1	Ireland and United Kingdom After the indent for pluggable equipment type A, the following is added: - the protective current rating is taken to be 13 A, this being the largest rating of fuse used in the mains plug.	Added.	N/A
5.6.5.1	To the second paragraph the following is added: The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is: 1,25 mm² to 1,5 mm² in cross-sectional area.	EX JUNITER WHITER WHITER WAS	N/A
5.7.5	Denmark To the end of the subclause the following is added: The installation instruction shall be affixed to the equipment if the protective conductor current exceeds the limits of 3,5 Ma a.c. or 10 Ma d.c.	TEX WHITEK WHITEK WHITEK	N/A



Page 41 of 58 Reference No.: WTX23X12264033S

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	TER JOH	White Mury Mur.	IEC62368_1 - ATTACHMEI		"ILILIA
X	Clause	Requirement – Test	Result -	- Remark Verd	ict

Clause	Requirement - rest	Result - Remark	Verdict
7 16	all the the the	a state of	The Street
5.7.6.1	Norway and Sweden	SLIFE WILL WALL WAY IN	N/A
	To the end of the subclause the following is	7	at let
	added:The screen of the television distribution	A A A A ST ST	CL.
	system is normally not earthed at the entrance	in the me all	
	of the building and there is normally no	30 7	
	equipotential bonding system within the	- At let Jet Jet	12 11
	building. Therefore the protective earthing of	with the the the	-20, -2,
	the building installation needs to be isolated	2, ,	J 2
	from the screen of a cable distribution system.lt	At 18th office with	Will WE
	is however accepted to provide the insulation	west with the the	9
	external to the equipment by an adapter or an	, , ,	
	interconnection cable with galvanic isolator,	At All Jan July 6	in the
	which may be provided by a retailer, for	in are any in	27
	example. The user manual shall then have the		* 26*
	following or similar information in Norwegian	et the star stir with	112
	and Swedish language respectively, depending	are are an in	
	on in what country the equipment is intended to	1 1 1 1	Let .
	be used in: "Apparatus connected to the	THE LIE LIFE MEN	ever all
	protective earthing of the building installation	The The Mr. In.	
	through the mains connection or through other	1 1 1 1	LET IN
	apparatus with a connection to protective	THE LIFE MITE WILL IN	h. m.
	earthing – and to a television distribution	4 24 24 24 2	
	system using coaxial cable, may in some		Car Clerk
	circumstances create a fire hazard. Connection	THE LIE NITE WITH MIN	" The
	to a television distribution system therefore has	<u> </u>	
	to be provided through a device providing	and the state of	400
	electrical isolation below a certain frequency	CINET WILL	11/2 11
	range (galvanic isolator, see EN 60728-11)"		
	NOTE In Norway, due to regulation for CATV-installations,		TEN CU
	and in Sweden, a galvanic isolator shall provide electrical	alife wife while whi	4 4
	insulation below 5 MHz. The insulation shall withstand a	24, 24	.L 3
	dielectric strength of 1,5 Kv r.m.s., 50 Hz or 60 Hz, for 1 min.Translation to Norwegian (the Swedish text	A ST ST ST	المالي المالي
	will also be accepted in Norway):	LIE WILL WILL MAIN MAN	-21,
		200 200	A 14
	"Apparatersomerkoplettilbeskyttelsesjord via	A ST ST ST ST	E SLITE
	nettpluggog/eller via annetjordtilkopletutstyr –	the write out the way	20,
	ogertilkoplet et koaksialbasertkabel-TV nett,	200 200	. J+
	kanforårsakebrannfare. For å	A A A SET SET	INCHES SILVER
	unngådetteskaldetvedtilkoplingavapparatertilka	with white when when	., .,
	bel-TV nettinstalleres en galvanisk isolator	70 7	1 th 1
	mellomapparatetogkabel-TV nettet."Translation	LET THE THE STEE	in the
	toSwedish:"Apparatersomärkopplad till	With the the a	
	skyddsjord via jordatvägguttagoch/eller via		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	annanutrustningochsamtidigtärkopplad till	THE THE STEE STEE SO	The way
	kabel-TV nätkan i isa fall medfőra risk főr brand. Főrattundvikadettaskall vid	is me me in me	300
			× 16+
		A LEE LEE VIEW VIEW	Wer Th
		The The The Land	
	anslutningavapparaten till kabel-TV nätgalvanisk isolator finnasmellanapparatenochkabel-TV nätet.".	MULTER WALTER WALTER WALTE	WALTER



	IEC62368_1 - ATT	ACHMENT	
Clause	Requirement – Test	Result – Remark	Verdict
The state of	with the way and the	the state of the state of	STORE SELECTION
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.	SEX WHITEX WHITEX WHITEX WH	N/A
B.3.1 and B.4	Ireland and United Kingdom The following is applicable: To protect against excessive currents and short-circuits in the primary circuit of direct plug-in equipment, tests according to Annexes B.3.1 and B.4 shall be conducted using an external miniature circuit breaker complying with EN 60898-1, Type B, rated 32A. If the equipment does not pass these tests, suitable protective devices shall be included as an integral part of the direct plug-in equipment, until the requirements of Annexes B.3.1 and B.4 are met	Whitek wh	N/A
G.4.2	Denmark	her mer me me	N/A
	To the end of the subclause the following is added: Supply cords of single phase appliances having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-D1:2011.	TEK WALTER WALTER WALTER WAL	SLIFE WALTE
	CLASS I EQUIPMENT provided with socket-outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a.	WALTER WALTER WALTER WALTER	Mr. Ex Mr. M
	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 WHITE WHITE WHITE WHITE	ite white
	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.	MITER WHITER WHITER WHITER	un IEK un
	Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c.	TEX WHITE WHITE WHITE W	iek witek
			43.1

Justification:

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

Heavy Current Regulations, Section 6c



TEL TOTAL	IEC62	2368_1 - ATTACHMENT	alter of the NA
Clause	Requirement – Test	Result – Remark	Verdict

0.46	United Vinadom	81/4
G.4.2	United Kingdom To the end of the subclause the following is added:	N/A
THE WALTER	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.	INTER WALTER WILER
G.7.1	United Kingdom	N/A
	To the first paragraph the following is added:	Mr. Mr. M.
LIEK WAL KANTIEK WALIEK MIEK B	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. NOTE "Standard plug" is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	TEL NIFE NIFE
G.7.1	Ireland	N/A
Whitek w	To the first paragraph the following is added: Apparatus which is fitted with a flexible cable or cord shall be provided with a plug in accordance with Statutory Instrument 525: 1997, "13 A Plugs and Conversion Adapters for Domestic Use Regulations: 1997. S.I. 525 provides for the recognition of a standard of another Member State which is equivalent to the relevant Irish Standard	THE MILITER WILLER WILLIAM WILLIAM WILLER WILLIAM WILL
G.7.2	Ireland and United Kingdom	N/A
	To the first paragraph the following is added:	t at at
	A power supply cord with a conductor of 1,25 mm² is allowed for equipment which is rated over 10 A and up to and including 13 A.	ter unit unit unit
ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)	ar ar ar

Reference No.: WTX23X12264033S Page 44 of 58

receive	Tage 44 01 30						
TER INT	IEC62368_1 - ATTACHMENT						
Clause	Requirement – Test	Result – Remark	Verdict				

10.5.2	Germany	Not such equipment.	N/A
	The following requirement applies:		20 30
	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 whi	EX SUPLIFIES
	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	untify whit
	NOTE Contact address: Physikalisch-TechnischeBundesanstalt, Bundesallee 100, D-38116 Braunschweig, Tel.: Int +49-531-592-6320, Internet: http://www.ptb.de	EX WHITEK WHITEK WHITEK WHI	it wilet



.1.2 TABLE: List of critical components					
Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity1	
SHENZHEN UNIWELL CIRCUITS CO LTD	UW01	V-0, 130°C	UL 796	UL E314500	
Covestro Deutschland AG [PC Resins]	FR3010 IF +	1.5mm, V-01, 85°C	UL 94	UL E41613	
	Manufacturer/ trademark SHENZHEN UNIWELL CIRCUITS CO LTD Covestro Deutschland AG	Manufacturer/ trademark SHENZHEN UNIWELL CIRCUITS CO LTD Covestro Deutschland AG Type / model Type / model FR3010 IF +	Manufacturer/ trademark SHENZHEN UNIWELL CIRCUITS CO LTD Covestro Deutschland AG Technical data V-0, 130°C V-0, 130°C 1.5mm, V-01, 85°C	Manufacturer/ trademark SHENZHEN UNIWELL CIRCUITS CO LTD Covestro Deutschland AG Technical data Standard V-0, 130°C UL 796 UL 796 UL 796 UL 796 UL 796 UL 796	

4.8.4, 4.8.5	TABLE	E: Lithium coin/button cell b	patteries mechanical tests	N/A
(The follow	ing mech	anical tests are conducted in th	ne sequence noted.)	at at
4.8.4.2	TABLE	E: Stress Relief test	TEX ITEX STITUTE STATE STATE	Will Arth
Par	t de	Material	Oven Temperature (°C)	Comments
, m-	in.	70 L - St	EX TITLE WITE WITE WATER ON	. "un" "
4.8.4.3	TABLE	E: Battery replacement test	W To the A	t gitt git
Battery pai	rt no		LIET WILL WHILL WHILL WHILL	mm.
Battery Ins	tallation/	/withdrawal	Battery Installation/Removal Cycle	Comments
in in		a state set	as I will we will	m m
			2	LITER OLITER O
			3	
			d 4 7 3 4	The Marie Wal
			5	
			6	White whis
			8 11 11	at at
			3 × 34 50 9 50 10 10 10 10 10 10 10 10 10 10 10 10 10	mer mer
18th 18	the state	A WILLIAM WILL MAN A	10	at Set
1.8.4.4	TABLE	: Drop test	TEX INCIDE WALTE WALTE WALTE WALTE OF	11/2 21/
mpact Area	a nitter	Drop Distance	Drop No.	Observations
4,	, , ,	LEK TEK TEK INTE	The the the the	10° 2 ×
WILLIAM	الا ما	i mi mi m	d d d2 d d	NATION WALLE
<i>i</i> +	cet s	A LIET ALTER WALTER	3	at at
4.8.4.5	TABLE	: Impact	THE LIE NET WITH MILE WATER	And the A
Impacts	s per	Surface tested	Impact energy (Nm)	Comments
t get	. CTEX	NITER WILL - WILL WAY	n 1 - 2	
4.8.4.6	TABLE	: Crush test	CLIER WILLE WILL MILL WILL WILL	mm.
Test po	sition	Surface tested	Crushing Force (N)	Duration force

- m - m	the state of the	STEE WILL WILL WITH	applied (s)
F TEX- TEX	Will will will with	in the state of	28 - 28 - 58
Supplementary info	rmation:	THE LIFE MINE MILE	While Aut Mit

4.8.5 TABLE:	8.5 TABLE: Lithium coin/button cell batteries mechanical test result						
Test position	Surface tested	Force (N)	Duration force applied (s)				
at at lat	TEX STEX- NITE SOUTH	me me an	x # 1				
Supplementary inforr	mation:	LET THE LIFE MITTER	WILL WILL MALL				

5.2	TABLE: Classification of electrical energy sources							
5.2.2	2.2 – Steady	/ State Voltage and	Current conditions	in in	-10	, L	t set	
N.C.	to my many		at the st	Parameters			me m	
No. Supply Voltage	Location (e.g. circuit designation)	Test conditions	U (Vrms or Vpk)	l (Apk or Arms)	Hz	ES Class		
٠,	1 3.6V Input and internal circuits	me m	Normal	3.6V	LIER - NITE	DC	The Marie	
1			Abnormal	2 11 2	7	,¢-	ES1	
-uni		internal circuits	Single fault – SC/OC	EK NICTER WIT	EN MALTE	INLT -NINL	MUT.	

5.2.2	2.3 - Capacit	ance Limits					
	Supply	Location (e.g.		18th 510	Lil Whi.		
No.	Voltage circuit designation)		Test conditions	Capacitance, nF		Upk (V)	ES Class
7/1	10		Normal	LIER MIER	WILL MI	ic the m	- m
تني	iet intiet.	MILITER WALTER V	Abnormal	, JF	18t 18	t tet mit	onliek
	TEX SILEX BUT A SPLIET SUBS		Single fault – SC/OC	Muri - Mu	74 734 12 2112	TEX TEX	LIER AND
5.2.2	2.4 - Single F	Pulses	t tet mile	antie unti	Mr.	n n	2, 2,
C.		Location (e.g.	The 20.	* 15t	Parameters		
No.		de Circuit Test conditions		Duration (ms)	Upk (V)	lpk (mA)	ES Class
n		1 1	Normal	TER STEEL	Vrile Alver	mr - m	10
<u> </u>	CLIER .	161 TEE WALTER W	Abnormal		at -at	TEK-JE	E STEE
	set siret asi	Single fault – SC/OC	MULTE MA	, 11 <u>1</u>	712 - 154 - 112 - 113	TEX 1	
5.2.2	2.5 - Repetiti	ve Pulses	LET JET	SLITER ONLIE	WITE	inci inci i	n m
٠	SEX LOUTE	Location (e.g.	me me	Parameters		rs	Et JEK
No. Supply Voltage	circuit designation)	Test conditions	Off time (ms)	Upk (V)	lpk (mA)	ES Class	



40.70			76.0370				
in in	4 3	Normal	MITEL MILE	COUNTY OUR	10, 1	L 70	
S*	LIER WILLER	NALTER WALTER	Abnormal	·	J . A	t tet s	EK LIEK
- 4	et let	LIEX MIEX	Single fault – SC/OC	nite mair	one - me	We will	- TEX-

Test Conditions:

Normal -

Abnormal -

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

5.4.1.4, 6.3.2, 9.0, B.2.6	3.2, 9.0,							
at .	Supply voltage (V)	: 4	Normal w	orking		* *	*
are an	Ambient T _{min} (°C)		<i>i</i> 3	THE THE STEE		ULLE WILL	inter	14/2 - 24
JEK JE	Ambient T _{max} (°C)		: w	See below			- TEX	. TEK
Maximum measured temperature T of part/at:				T (°C)				
PCB near U1			25	5.7	61.2	N-LT.	mr m	130
Battery body			25	5.3	60.8		LEK- JE	Ref
Plastic enc	losure inside near l	Battery	25	5.3	60.8	²¹ 1, 1-	7/1/2	85
Ambient	" nei	11/2	24	.5	60.0	1-1	et -cret	NLTER ON
Accessible	part		MITE	- 0	Shift to 25°C	-		UTEX LIFE
Plastic enc	losure outside near	Battery	25	5.1	25.6	400	145 11	77
Ambient			24	1.5	25.0	- - = = +	J ⁰ 2 J	E 161
Supplemen	ntary information:-	t set i	TIET OF	The My	" Mer	11/2 2	1. 1.	
Temperatu	re T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	$R_2\left(\Omega\right)$	T (°C)	Allowed T _{max} (°C)	Insulation class
The Life	MITE WALTE	are - in	7,,		, -	d d		J "J.

Supplementary information:

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

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

Note 3: The maximum ambient temperature specified by manufacturer is 60°C.

5.4.1.10.2 TABLE: Vicat softening temperature of thermoplastics				
Penetration (mm)	with mile on the wall our	14 14 -		
Object/ Part No./Material	Manufacturer/t rademark	T softening (°C)		
4 TEX STEE OUTE SINTE SHE	10 10 7	at the state of		

Reference No.: WTX23X12264033S



≤ 2 mm	THE THE STATES
mark Test temperature (°C)	Impression diameter (mm)
	the state with a

5.4.2.2, 5.4.2.4 and 5.4.3	5.4.2.4							N/A
	cl) and creepage) at/of/between:	Up (V)	U r.m.s. (V)	Frequenc y (kHz) ¹	Required cl (mm)	cl (mm) ²	Required 3 cr (mm)	cr (mm)
JILIE MI	in min min	2/L	1,	<30	- - - 	>0.5	Er Tie	>0.5

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

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

5.4.2.3	TABLE: Minimum C	learances distances usi	ng required withsta	and voltage	N/A		
VIII.	Overvoltage Catego	ory (OV):	Write Mrs. Mrs	14 14	20 II 22		
	Pollution Degree:	me me	at at d	4 JEH JU	2		
Clearanc	e distanced between:	Required withstand voltage	Required cl (mm)	Measured	l cl (mm)		
See table 5.4.3 abo	5.4.2.2, 5.4.2.4 and ove.	e te mile d		165 AV	W.		

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.

Test voltage applied between:	Required cl	Test voltage (Kv)	Breakdown
	(mm)	peak/ r.m.s. / d.c.	Yes / No
3		of the super-super super	1/11,

5.4.4.2, TABLE 5.4.4.5 c) 5.4.4.9	E: Distance through insu	ılation measur	ements		N/A
Distance through insulation di at/of:	Peak voltage (V)	Frequency (Hz)	Material	Required DTI (mm)	DTI (mm)
- m m	2, 2 - ×	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	500 - 50°	mer - mer	m - m



5.4.9	TABLE: Electric strength	tests	MULT WILL WILL	N/A
Test volt	age applied between:	Voltage shape (AC, DC)	Test voltage (V)	Breakdown Yes / No
Function	al: The State Miles	White the top		LEY TEX
+1/L" .	We an an a	LE TEX - OLITER OF	ite will - will a	v. m
TEX .	LIER RITER WITE WHILE	Basic/supplementary:	st st set .	18th 15th 15
. m	. 4 4 1	TEK TEK TEL MILI	Muri Aur Mu	40.7
get all	er with white white we			t wife wife
Reinforc	ed:	EK LIEK MILIE MALIE	mer me me	70, 7
- nite	WILL MULL AND MALE	1 JE 1/2	TEX ITEX	MITER - MITE
-	it it set set	THE MILE - WALL O	1 - 21 - 21	<u> </u>
Routine	Tests:	The state of	TER LIER ALTER A	Tier Will M
-	et et tet stet	TILE - MILL MILL MA	- 40, 20, 2	4 7 /
Supplem #: all alte	nentary information: ernative sources have been cons	sidered.	MULTER WALTER WAL	mult mul

5.5.2.2 TABLI	E: Stored disc	charge on capac	itors		24	N/A
Supply Voltage (V), Hz	Test Location	Operating Condition (N, S)	Switch position On or off	Measured Voltage (after 2 seconds)	ES Clas	sification
Ver anver his	A - F	A V-	cer - cer	- Santiv	When !	12 m
Supplementary info X-capacitors install Bleeding resisto	led for testing					
☐ ICX: Notes:						
-91 -21 -						
Notes:	Phase to Phas	e; Phase to Earth	n; and/or Neu	tral to Earth		
Notes: A. Test Location:			n; and/or Neu	tral to Earth		

5.6.6.2	TABLE: Resista	nce of protective con	ductors and tern	ninations	N/A
MALTER A	Accessible part	Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)
		* let - liter o	The Maria M	1115 - 111	2, - 1

5.7.2.2, 5.7.4	TABLE: Earthed accessible conductive part		
Supply vo	oltage	THE THE THE STEE STEE	INLIE WALTE
Location	NITER WHITER WHITER WHITE WA	Test conditions specified in 6.1 of IEC 60990 or Fault Condition No in IEC 60990 clause 6.2.2.1	Touch current (mA)



All the state of	through 6.2.2.8, except for 6.2.2.7	14 14
A TEX LIFE MITE MITE WALL WALL	1, 1,	N/A
Man who was the fifth	2*	N/A
LIET WILL WILLE MILLE AND A MILL MILL A	3 1	N/A
will the state of the state of	July 4 July July	N/A
LIER MITER WHITE WHITE WHITE WHITE	5 1	N/A
. It is not not not write	11 11 16 11 11 11 11 11 11 11 11 11 11 1	N/A
let write white white with wine will	8 1- (1)	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	cal power source	es (PS) measuremen	ts for classification	WILL WA
Source	Description	Measurement	Max Power after 3	Max Power after 5 s*)	PS Classification
All internal circuit		Power (W) :	Will Pro 1	7 - 10 2	a st
	Normal operation	V _A (V) :	A A ST	The training	PS1 (declaration)
	operation	I _A (A) :	r. anr - an	24 1	(ucolaranori)

Supplementary Information:

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

6.2.3.1	Table: Determin	ation of Potentia	I Ignition Sources	(Arcing PIS)	N/A
ek white	Location	Open circuit voltage After 3 s (Vp)	Measured r.m.s current (Irms)	Calculated value (V _p x I _{rms})	Arcing PIS? Yes / No
. LIE	mite with with	7115 120	L - A	lek 1 0 14 (1814	NITER - NITE

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.

d



\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Circuit Location (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
	21/2 21/2 - 22	- J	et the	Life Wille	West Comments of	, 10, n,

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		N/A
Description	LET THE THE STREET OF THE	Values	Energy Source Classification
Lamp type.		Let Jet Ji	A THE WITE WITE WITE
Manufactur	rer	no mon	1 1 1 th
Cat no		THE LIFE OUTER	inti with water with w
Pressure (d	cold) (MPa):	110	MS_
Pressure (d	operating) (MPa)	L' LITE A	MS_
Operating t	time (minutes):		K TEH LIEK ALTE
Overall res	ult:	INTER MITTER MIN	Must me me me
Supplemer	ntary information:	ALTER SLIER SINCE	Notifet Whitek Whitek Whitek

B.2.5	TABLE: Inpu	t test						Р
U (V)	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condit	ion/status
3.6Vdc	0.001	0.05	0.0036	10	-	t st	Norma	al working
Supplemen	ntary informatio	n:	, t . 4	CIET .	CLIFE WILL	Will a	hr m	. 4
Equipment	may be have r	ated currer	nt or rated po	ower or both	Both shoul	d be measure	ed	

B.3	TABLE: Abn	ABLE: Abnormal operating condition tests								
Ambient temperature (°C):										
Power sourc	e for EUT: Ma	nufacturer, mo	odel/type, o	utput rat	ing :	- 1, ,		+ Jet- 1		
Component No.	Abnormal Condition	Supply voltage (V)	Test time	Fuse no.	Fuse currer (A)	100	Temp. (°C)	Observation		



- 12 1			- ct	400	.4	neite and	"IL	70,00
	. L	25 16		100	11/2	200	1895, 365	

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: Fau	ABLE: Fault condition tests						
Ambient tem	perature (°C	;):	25.0	ME	24 - Tu			
Power source	e for EUT: N	/lanufacturer	, model/type	, output r	ating:	- 1	- LEX	of the text
Component No.	Abnormal Condition	Supply voltage, (V)	Test time	Fuse no.	Fuse current (A)	T-couple	Temp. (°C)	Observation
D2	S-C	3.6V	10min.	ek – virtek	y white	Whitek whi	TEK MITEK	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.

Annex M	TABLE:	Batteries						1 2	P
The tests of	of Annex M	are applic	able only whe	n appropri	ate battery	data is no	t available) Et	Y
Is it possib	le to install	the battery	y in a reverse	polarity po	sition?		- 00	2,	N
WITE W	Non-re	echargeabl	e batteries		July F	Rechargea	ble batteri	es	WITTE
	Discharging		Un-	Cha	rging	Disch	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	0.001	EF WITE	WALLEY WA	sek whis	y - wairet	NITER OF	Verter on	TER WALTER	untiek v
Max. current during normal condition	White white	untiek va	Test Whitest	MULLER OF	NUTER ON	TEK TUNIT	sunifes	ounties our	MITE <mark>F</mark> WI
+ Let	TEX	LIEN OLI	WILL W	ice, m	-21/2	-2,		st st	the Test
Test result	s:	3,,		CEN JE	L STEP	WILLEY OF	Lite Mr.	in m	Verdict
- Chemical	leaks	MITE	WILL ALL	111	20		No leaks	y 10	Р



- Explosion of the battery	No explosion	Р
- Emission of flame or expulsion of molten metal	No emission	P
- Electric strength tests of equipment after completion of tests	in the the	N/A
Supplementary information:	ek zek zek zie	N.LTE

	Table: Ac batteries	Iditional safeguards for e	quipment coi	ntaining seco	ondary lithium	N/A
Battery/Cell No.		Test conditions		Observation		
			U	I (A)	Temp (C)	
MUTIL M	in we	Normal	10 - J	;	STEEL SHITE	Write Write
		Abnormal	m - m	4, 4	+ +	est - Test
		Single fault –SC/OC (P- to B- shorted)	LIER WHITER	White-mi	nur m	7 24 2 24

Supplementary Information:

Abbreviation: SC=short circuit; OC=open circuit

Battery identification	Charging at T _{lowest} (°C)	Observation	Charging at T _{highest} (°C)	Observation	
- LEF (18)		10 - 10 - 11	- i	Tet 18th 18th 1	
Supplementary I	nformation: S-C:	short circuit, O-C: open cir	cuit	Mur Mur Mur Mur	

Annex Q.1	TABLE: Circuits	ABLE: Circuits intended for interconnection with building wiring (LPS) N/A						
Note: Mea	sured UOC (V) with	all load circuits	disconnected:	EF WITE ON	THE WALL WA	r 21/2		
Output Components Circuit	Components	U _{oc} (V)	I _{sc} ((A)	S (VA)			
	70 70		Meas.	Limit	Meas.	Limit		
10 - X	J. J. J. J.	VII. TU.	-21, -2,	- 4	N N	76th		

T.2, T.3, T.4, T.5	TABLE: Steady force test						
Part/Locati on	Material	Thickness (mm)	Force (N)	Test Duration (sec)	Observation		
Jr - JJ	76t 76t	LITER WALL	The other	10 5	L St-St		
Supplemen	tary information:		LET SET.	LIEF WILL WILL	When Mer M		

T.6, T.9 TABLE: Impact tests							
Part/Location	Material Material	Thickness (mm)	Vertical distance (mm)	Observation	MULIER M		



Annex M	TABLE: Batteries						n n	Р	
The tests of	of Annex M	are applic	able only whe	n appropri	ate battery	data is no	t available	9 (I) (V	Y
Is it possib	le to install	the batter	y in a reverse	polarity po	sition?		15 M	70	N
MULTER WALT	Non-rechargeable batteries			Rechargeable batteries				es	MITE S
	Discharging		Un-	Charging		Discharging		Reversed charging	
	Meas. current	Manuf. Specs.	intentional charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.
CENT STEP	alter in the mai		1 21/2 1	·-		٠,	Jet .	- 18th - 3	EX SUE

Т.7	TABLE: Drop tests						
Part/Location	Material	Thickness (mm)	Drop Height (mm)	Observation			
7 ^{EK} 17 ^E	antit Thirty	ani ani	·	LET TEXT TEXT STIER			

T.8	TABLE: Stress relief test						
Part/Location	n Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observation		
Enclosure	Plastic	2.0	70	7 (11	Enclosure remained intact		



Photo Documentation

Model: STD001



Photo 1

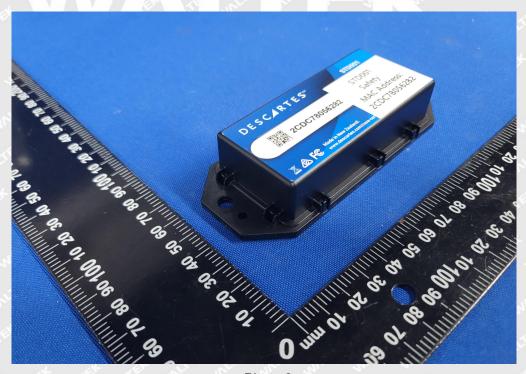


Photo 2

Reference No.: WTX23X12264033S



Photo Documentation

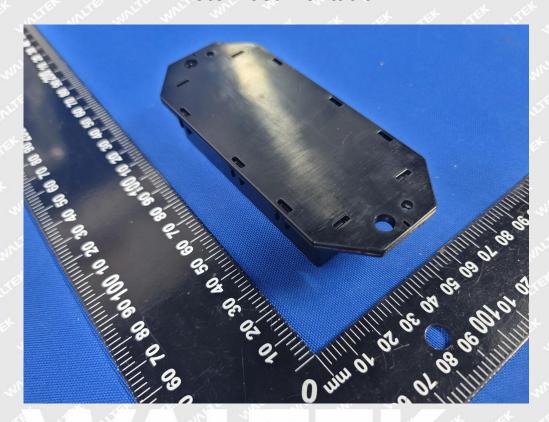


Photo 3

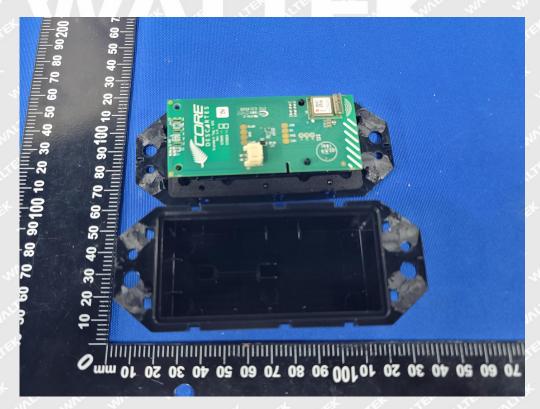


Photo 4



Photo Documentation

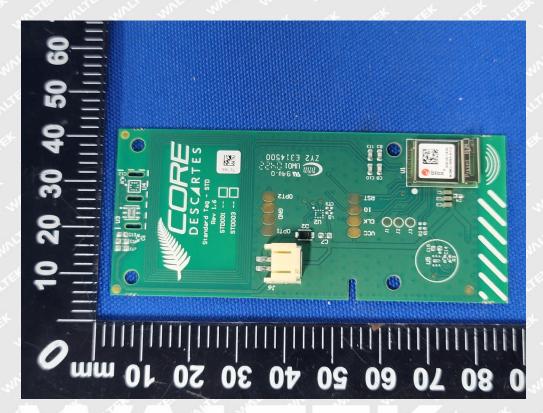


Photo 5

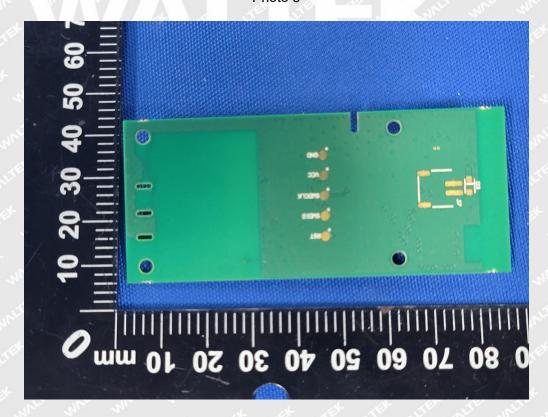


Photo 6

Reference No.: WTX23X12264033S Page 5



Photo Documentation



Photo 7



Photo 8 ===== End of Report ======