

TEST REPORT

		THE THE WILL WAS ARE WE UP TO THE
Reference No	: 4	WTX22X08156839S
Applicant	: 3	Descartes Systems Group Inc.
Address	in.	105 Trafalgar Street, Floor 2, Nelson, Tasman 7011, New Zealand
Manufacturer	N. ITE	Descartes Systems Group Inc.
Address	·	105 Trafalgar Street, Floor 2, Nelson, Tasman 7011, New Zealand
Product	Y.	COREInsight® Reader
Model(s)	ţ.	RDR001
Standards	اس. آنامان	EN 62368-1:2014+A11:2017 Audio/video, information and communication technology equipment Part 1:Safety requirements
Test Report Form No	· e+	WTX_EN62368_1_2014B
Date of Receipt sample		2022-08-03
Date of Test	et.	2022-08-03 to 2022-08-11
Date of Issue	: 3	2022-08-11
Test Result	71	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

Stan Li	Harvid Wei
Stan Live of sold so	the wife the training with the said
Tested by:	Approved by:

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Test item description: COREInsight®	Reader
Trademark:	
Model and/or type reference RDR001	
Rating(s): Input: 12V==3A Remark: Whether parts of tests for the product have been subcompleted by the second by the seco	
Summary of testing:	At the the title street with white
Tests performed (name of test and test clause): - EN 62368-1:2014+A11:2017 The submitted samples were found to comply with the requirements of above specification.	Testing location: 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:

DESC RTES[™]

Model No: RDR001

Input: 12V === 3A

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Contains FCC ID: XMR201903EG25G Contains FCC ID: XPYNINAB1



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.

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TEST ITEM PARTICULARS:	the way we are
Classification of use by:	☑ Ordinary person☐ Instructed person☐ Skilled person☑ Children likely to be present
Supply Connection:	□ AC Mains □ DC Mains □ External Circuit - not Mains connected - □ ES1 □ ES2 □ ES3
Supply % Tolerance:	□+10%/-10% □ +20%/-15% □+%/ <u>-</u> % □ None
Supply Connection – Type:	□ 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:	
Over voltage category (OVC):	OVC I OVC II OVC III OVC IV Sother: not directly connected to the mains
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:	50°C
IP protection class	☑ IPX0 □ IP
Power Systems	☐ TN ☐ TT☐ IT — V L-L
Altitude during operation (m):	⊠ 2000 m or less m
Altitude of test laboratory (m)	⊠ 2000 m or less
Mass of equipment (kg):	
one on the state of	THE MITE WALL WALL WILL WAS THE

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POSSIBLE TEST CASE VERDICTS:	RITER INITE WHITE WALL WILL WILL WILL
- test case does not apply to the test object	N/A
- test object does meet the requirement	P (Pass)
- test object does not meet the requirement:	F (Fail)
TESTING:	MULT AND
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 t	he General product information section.
Name and address of factory (ies)	N/A
GENERAL PRODUCT INFORMATION:	RITE INTER MILE MILE MILE WILL WILL WILL WILL
Product Description 1.This product is DesCOREInsight® Reader which is equipment. 2. The maximum ambient temperature specified by maximum architecture.	the the text text text text
Model Differences	and the sun of the life
N/A	
	The state of the s
Additional application considerations – (Consider N/A	rations used to test a component or sub-assembly)



ENERGY SOURCE IDENTIFICATION AND CLASSIFICATION TABLE:

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

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

Electrically-caused injury (Clause 5):

(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)
All circuits	ES1

Electrically-caused fire (Clause 6):

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

Example: Battery pack (maximum 85 watts):

Source of power or PIS	Corresponding classification (PS)
Input port and Internal circuits	PS2

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

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)
NA IN AN	NA A A A

ENERGY SOURCE DIAGRAM	THE STEE
Indicate which energy sources are included in the energy source diagram. Insert diagram below	

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OVERVIEW OF EMPLOYEDSAFE	GUARDS			
Clause	Possible Hazard	at at	LEK JEH J	THE WITE
5.1	Electrically-caused injury			
Body Part	Energy Source (ES3: Primary Filter circuit)	+ 11 .	Safeguards	WITE OF
(e.g. Ordinary)		Basic	Supplementary	Reinforced (Enclosure
Ordinary	ES1: Input circuits	N/A	N/A	N/A
6.1	Electrically-caused fire			710
Material part	Energy Source Safeguards		THE WITE OF	
(e.g. mouse enclosure)	(PS2: 100 Watt circuit)	Basic	Supplementary	Reinforced
All combustible materials within equipment fire enclosure	PS2:All circuits inside the equipment enclosure	Enclosure	N/A	N/A
7.1	Injury caused by hazardous substances			
Body Part	Energy Source	Safeguards	J. J	TEK JEK
(e.g., skilled)	(hazardous material)	Basic	Supplementary	Reinforced
Ordinary	N/A	N/A	N/A	N/A
8.1	Mechanically-caused inj	sed injury		
Body Part	Energy Source	Safeguards		
(e.g. Ordinary)	(MS3:High Pressure Lamp)	Basic	Supplementary	Reinforced (Enclosure)
Ordinary	MS1: Mass of the unit	N/A	N/A	N/A
Ordinary	MS1: Edges and corners	N/A	N/A	N/A
9.1	Thermal Burn		1 14 16 th	- Alt .
Body Part	Energy Source	Safeguards	in me	m. m
(e.g., Ordinary)	(TS2)	Basic	Supplementary	Reinforced
Ordinary	TS1: Accessible surfaces	N/A	N/A	N/A
10.1	Radiation	ALTER OLITER	WHILE MUTTER AN	r. 14/2
Body Part	Energy Source	Safeguards	A St S	y Tex
(e.g., Ordinary)	(Output from audio port)	Basic	Supplementary	Reinforced
Ordinary	N/A	N/A	N/A	N/A

Supplementary Information:

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

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

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recició	100 140.: W 17/22/100 1000000	1 age 7 01 00	
J. 1	The wife with me me	EN 62368-1	ALTER MALTER MALTE
Clause	e Requirement – Test	Result – Remark	Verdict

4	GENERAL REQUIREMENTS		Р
4.1.1	Acceptance of materials, components and subassemblies	LEX MITER MILITER MALTER MALE	P
4.1.2	Use of components	(See appended table 4.1.2)	Р
4.1.3	Equipment design and construction	INITE WALTE WALL WALL	P
4.1.15	Markings and instructions	(See Annex F)	Р
4.4.4	Safeguard robustness	WILL WILL AND A	Р
4.4.4.2	Steady force tests	(see Annex T)	Р
4.4.4.3	Drop tests	reconstruction and any	N/A
4.4.4.4	Impact tests	(see Annex T)	P
4.4.4.5	Internal accessible safeguard enclosure and barrier tests	t et ist tet	N/A
4.4.4.6	Glass Impact tests	No glass used	N/A
4.4.4.7	Thermoplastic material tests	(See Annex T)	P
4.4.4.8	Air comprising a safeguard	ur we we we we	N/A
4.4.4.9	Accessibility and safeguard effectiveness	cet itek itek sitek mit	P
4.5	Explosion	No explosion	N/A
4.6	Fixing of conductors	LEY ONLINE WALTE	N/A
4.6.1	Fix conductors not to defeat a safeguard	3 3 4	N/A
4.6.2	10 N force test applied to	LIFE WITH WITH WHITE	N/A
4.7	Equipment for direct insertion into mains socket - outlets	THE LIET SLIET WITH SH	N/A
4.7.2	Mains plug part complies with the relevant standard	of the text and	N/A
4.7.3	Torque (Nm)	Mur Mu Mu M	N/A
4.8	Products containing coin/button cell batteries	No battery used	N/A
4.8.2	Instructional safeguard	The Mr. Mr. In M.	N/A
4.8.3	Battery Compartment Construction	ifet allet aller ander in	N/A
MLIEK	Means to reduce the possibility of children removing the battery	at the the title of	15th 10 1.76
4.8.4	Battery Compartment Mechanical Tests	is the the the	N/A
4.8.5	Battery Accessibility	at the the the state of the	N/A
4.9	Likelihood of fire or shock due to entry of conductive object	Mr. Mr. Mr. Mr.	N/A

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11010101100	3 110.: 11 17(22/1001000000	1 age 6 61 66	
CIET INIT	in which were we	EN 62368-1	ALTER WALTE WALT
Clause	Requirement – Test	Result – Remark	Verdict

Clause	Requirement – Test	Result – Remark	verdict
5	ELECTRICALLY-CAUSED INJURY	THE STATES WITH WITH	Р
		(d-d-b-l- 5 0)	
5.2.1	Electrical energy source classifications	(see appended table 5.2)	Р
5.2.2	ES1, ES2 and ES3 limits		Р
5.2.2.2	Steady-state voltage and current		P
5.2.2.3	Capacitance limits		N/A
5.2.2.4	Single pulse limits	No single pulse introduced	N/A
5.2.2.5	Limits for repetitive pulses	No repetitive pulses introduced	N/A
5.2.2.6	Ringing signals	No ringing signal generated	N/A
5.2.2.7	Audio signals	No audio signal terminals	N/A
5.3	Protection against electrical energy sources	et alter alter article	N/A
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	The lifet writer writer	N/A
5.3.2.1	Accessibility to electrical energy sources and safeguards	A Let Tet Tet Tet	N/A
5.3.2.2	Contact requirements	No openings on enclosures as received and after mechanical test.	N/A
21/2 21	a) Test with test probe from Annex V	THE WALL WALL WALL WALL	N/A
of the so	b) Electric strength test potential (V)	A Set 1st	N/A
1, 24,	c) Air gap (mm)	The same same	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	LIFE WILL MALL MALL WILL WILL	Р
5.4.1.3	Humidity conditioning	No hygroscopic insulation	N/A
5.4.1.4	Maximum operating temperature for insulating materials	(see appended table 5.4.1.5)	Р
5.4.1.5	Pollution degree	Pollution degree 2 considered	_
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	itel suret miret aniret un	N/A
5.4.1.5.3	Thermal cycling		N/A
5.4.1.6	Insulation in transformers with varying dimensions	THE WALLE WALL WALL WALL	N/A
5.4.1.7	Insulation in circuits generating starting pulses	y life alies alies anife	N/A
5.4.1.8	Determination of working voltage	210 200 00 00	N/A
5.4.1.9	Insulating surfaces	LIET NITE MITE MALIE	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	THE THE STEE STEEL SHE	N/A
5.4.1.10.2	Vicat softening temperature	Let Me All All	N/A

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Clause	EN 62368		Verdict
Clause	Requirement – Test	Result – Remark	verdict
5.4.1.10.3	Ball pressure	RITE WALLENAL WILL WAS AND	N/A
5.4.2	Clearances	of all all all	N/A
5.4.2.2	Determining clearance using peak working voltage	Must have have an	N/A
5.4.2.3	Determining clearance using required withstand voltage	White white whi whi	N/A
	a) a.c. mains transient voltage	alter mile white white w	ē —
- LEX	b) d.c. mains transient voltage	No such transient voltage	_
4/12 4	c) external circuit transient voltage	No such transient voltage	_
INLIEK JIN	d) transient voltage determined by measurement	No need to conduct this test	_
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	TEX STEX STEX MITES	N/A
5.4.2.5	Multiplication factors for clearances and test voltages	the tex tex rest right to	N/A
5.4.3	Creepage distances	un my my m	N/A
5.4.3.1	General	et let liet sliet sliet soli	N/A
5.4.3.3	Material Group	Material group IIIb is assumed to be used	_
5.4.4	Solid insulation		N/A
5.4.4.2	Minimum distance through insulation	The Life	N/A
5.4.4.3	Insulation compound forming solid insulation	ant my my m	N/A
5.4.4.4	Solid insulation in semiconductor devices	LET SET STEEL WITER ON	N/A
5.4.4.5	Cemented joints	in the same	N/A
5.4.4.6	Thin sheet material	et lifet wifet writer white	N/A
5.4.4.6.1	General requirements	The The A	N/A
5.4.4.6.2	Separable thin sheet material	ALTER MITER MALTE MALTE	N/A
et let	Number of layers (pcs)	an a state	N/A
5.4.4.6.3	Non-separable thin sheet material	INTIES WITE WITE MINIS W	N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	TEX SIEK WITH WITH WAL	N/A
5.4.4.6.5	Mandrel test	The second second	N/A
5.4.4.7	Solid insulation in wound components	ALTER WITE WALL WALL	N/A
5.4.4.9	Solid insulation at frequencies >30 kHz	The state of the state of	N/A
5.4.5	Antenna terminal insulation	No such terminal	N/A
5.4.5.1	General	a state of	N/A
5.4.5.2	Voltage surge test	Wife north many must an	N/A

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Clause	Requirement – Test	Result – Remark	Verdict
5.4.6	Insulation of internal wire as part of supplementary safeguard	No such wires	N/A
5.4.7	Tests for semiconductor components and for cemented joints	TER MILIE WHITE WILL WILL	N/A
5.4.8	Humidity conditioning	- THE STEE MITTER MITTER	N/A
at at	Relative humidity (%)	24 24 24	_
and	Temperature (°C)	THE MITTER MITTER WALL ON	_
- LEX	Duration (h)	and the state of	_
5.4.9	Electric strength test	LIFE WILLE WHILE WALL MADE	N/A
5.4.9.1	Test procedure for a solid insulation type test	a state of the	N/A
5.4.9.2	Test procedure for routine tests	MULL MULL MULL MULL	N/A
5.4.10	Protection against transient voltages between external circuit	No transient voltage from external circuit	N/A
5.4.10.1	Parts and circuits separated from external circuits	THE STIFF WITH WITH	N/A
5.4.10.2	Test methods		N/A
5.4.10.2.1	General	TEX OLIES WHILE WHILE WHILE	N/A
5.4.10.2.2	Impulse test		N/A
5.4.10.2.3	Steady-state test	The County was	N/A
5.4.11	Insulation between external circuits and earthed circuitry	No such external circuit	N/A
5.4.11.1	Exceptions to separation between external circuits and earth	the the ties outlish the	N/A
5.4.11.2	Requirements	in the same and	N/A
Write Wh	Rated operating voltage U _{op} (V)	et liet nitet mite write	_
X .	Nominal voltage U _{peak} (V)	711 2	_

N/A

N/A

N/A

N/A

N/A

N/A

N/A

Transformers

Optocouplers

Relays

5.5

5.5.1

5.5.2

5.5.2.1

5.5.2.2

5.5.3

5.5.4

5.5.5

Max increase due to variation U_{sp}

Max increase due to ageing ΔUsa..... $U_{op} = U_{peak} + \Delta U_{sp} + \Delta U_{sa}$

Safeguards against capacitor discharge after

disconnection of a connector.....

Components as safeguards

Capacitors and RC units

General requirement

General

	EN 62368-1	Contraction of
Clause	Requirement – Test Result – Remark	Verdict
5.5.6	Resistors	N/A
5.5.7	SPD's	N/A
5.5.7.1	Use of an SPD connected to reliable earthing	N/A
5.5.7.2	Use of an SPD between mains and protective earth	N/A
5.5.8	Insulation between the mains and external circuit consisting of a coaxial cable	N/A
5.6	Protective conductor	N/A
5.6.2	Requirement for protective conductors	N/A
5.6.2.1	General requirements	N/A
5.6.2.2	Colour of insulation	N/A
5.6.3	Requirement for protective earthing conductors	N/A
t di	Protective earthing conductor size (mm²)	· –
5.6.4	Requirement for protective bonding conductors	N/A
5.6.4.1	Protective bonding conductors	N/A
2/12 1	Protective bonding conductor size (mm²)	21/2 -
LITER N	Protective current rating (A)	JE -
5.6.4.3	Current limiting and overcurrent protective devices	N/A
5.6.5	Terminals for protective conductors	N/A
5.6.5.1	Requirement	N/A
THE TEXT	Conductor size (mm²), nominal thread diameter (mm).	N/A
5.6.5.2	Corrosion	N/A
5.6.6	Resistance of the protective system	N/A
5.6.6.1	Requirements	N/A
5.6.6.2	Test Method Resistance (Ω)	N/A
5.6.7	Reliable earthing	N/A
5.7	Prospective touch voltage, touch current and protective conductor current	N/A
5.7.2	Measuring devices and networks	N/A
5.7.2.1	Measurement of touch current	N/A
5.7.2.2	Measurement of prospective touch voltage	N/A
5.7.3	Equipment set-up, supply connections and earth connections	N/A
WALTE	System of interconnected equipment (separate connections/single connection)	Whi whi

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EN 62368-1			atter outles and
Clause	Requirement – Test	Result – Remark	Verdict

	Multiple connections to mains (one connection at a time/simultaneous connections)		
5.7.4	Earthed conductive accessible parts	TER OLIER WILL MILL MI	N/A
5.7.5	Protective conductor current	1 1 1 1 1	N/A
in 14	Supply Voltage (V)	E WILL MILL MILL MILL	-
Et JE	Measured current (mA)	It let get	_
4,	Instructional Safeguard	" Note that the the	N/A
5.7.6	Prospective touch voltage and touch current due to external circuits	LIER WILLER WILLER WILLER	N/A
5.7.6.1	Touch current from coaxial cables	and the state of	N/A
5.7.6.2	Prospective touch voltage and touch current from external circuits	T WALL MALL WALL ON	N/A
5.7.7	Summation of touch currents from external circuits	No such external circuits	N/A
Mury	a) Equipment with earthed external circuits Measured current (mA)	WILL MULTER MULTER WHILE	N/A
WILLER	b) Equipment whose external circuits are not referenced to earth. Measured current (mA)	TER MITER MITER MAILER M	N/A

6	ELECTRICALLY- CAUSED FIRE	2 July 3h	Р
6.2	Classification of power sources (PS) and potenti	al ignition sources (PIS)	ITE PAI
6.2.2	Power source circuit classifications	Murit Mur Mur Mur Mur M	Р
6.2.2.1	General	LEK TEK TEK NITEK MIT	P
6.2.2.2	Power measurement for worst-case load fault	: (See appended table 6.2.2)	P
6.2.2.3	Power measurement for worst-case power source fault	EX WHITE WHITE WHITE WHITE	N/A
6.2.2.4	PS1	Let get get ster	N/A
6.2.2.5	PS2	: (See appended table 6.2.2)	Р
6.2.2.6	PS3	THE THE LIFE DUTTER AND	N/A
6.2.3	Classification of potential ignition sources	no in in	N/A
6.2.3.1	Arcing PIS	THE THE STEE STEE WITH	N/A
6.2.3.2	Resistive PIS	: 4	N/A
6.3	Safeguards against fire under normal operating	and abnormal operating conditions	JIP P J
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	(See appended table 5.4.1.5, 6.3.2, 9.0, B.2.6)	LITER PAR
6.3.1 (b)	Combustible materials outside fire enclosure	at all the till of	N/A
6.4	Safeguards against fire under single fault conditi	ons	Р
6.4.1	Safeguard Method	at let let liet wife	P

TEN MITE	EN 6236	8-1	TER STEEL
Clause	Requirement – Test	Result – Remark	Verdict
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits	o stilet miller miller mil	N/A
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits	SEE MILIE WILL WILL	N/A
6.4.3.1	General	e the tipe alies	N/A
6.4.3.2	Supplementary Safeguards	24 Aug 14 2	N/A
MILL	Special conditions if conductors on printed boards are opened or peeled	WHITE WALLE WALLE WAL	N/A
6.4.3.3	Single Fault Conditions	THE THE LITTER STEE	N/A
STEK IN	Special conditions for temperature limited by fuse	at the text text	N/A
6.4.4	Control of fire spread in PS1 circuits	in me me	N/A
6.4.5	Control of fire spread in PS2 circuits	s let the the o	The P
6.4.5.2	Supplementary safeguards	.: Enclosure	Р
6.4.6	Control of fire spread in PS3 circuit	THE LIER NITER WIT	N/A
6.4.7	Separation of combustible materials from a PIS	of the set state	N/A
6.4.7.1	General	The many and	N/A
6.4.7.2	Separation by distance	and the state of	N/A
6.4.7.3	Separation by a fire barrier		N/A
6.4.8	Fire enclosures and fire barriers	The still still sail	N/A
6.4.8.1	Fire enclosure and fire barrier material properties	and the let like	N/A
6.4.8.2.1	Requirements for a fire barrier	No such barrier used	N/A
6.4.8.2.2	Requirements for a fire enclosure	et get get life	N/A
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier	of the the	N/A
6.4.8.3.1	Fire enclosure and fire barrier openings	Murr Murr Murr M	N/A
6.4.8.3.2	Fire barrier dimensions	No fire barrier	N/A
6.4.8.3.3	Top Openings in Fire Enclosure: dimensions(mm)	The same same same	N/A

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Clause	Requirement – Test	Result – Remark	Verdict	
6.5	Internal and external wiring	NIET WITE WHIEL WA	N/A	
6.5.1	Requirements	A ST ST ST	N/A	
6.5.2	Cross-sectional area (mm²)	The sale was the	777	
6.5.3	Requirements for interconnection to building		N/A	
6.6	Safeguards against fire due to connect additional equipment	ction to	N/A	
- MITEN	External port limited to PS2 or complie Clause Q.1	es with	N/A	

7	INJURY CAUSED BY HAZARDOUS SUBSTA	ANCES	THE B THE
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)	WITE WITE WALL MALL WALL WA	N/A
- Aller	Personal safeguards and instructions	and the state of the	_
7.5	Use of instructional safeguards and instructions	The water water with the	N/A
Vr. 21	Instructional safeguard (ISO 7010)	White with	mr_m
7.6	Batteries	4 14	N/A

8	MECHANICALLY-CAUSED INJURY		P
8.1	General	Enclosure is smooth and no mechanical energy sources	Р
8.2	Mechanical energy source classifications	MS1	All P
8.3	Safeguards against mechanical energy sources	at at all set	√(°P
8.4	Safeguards against parts with sharp edges and corners	Edges and corners are classed as MS1	Р
8.4.1	Safeguards	WILL WILL MALL AND AND	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	The metal was and the	N/A
8.5.2	Instructional Safeguard	A CITE WILL MILL MILL	
8.5.4	Special categories of equipment comprising moving parts	THE STIFF WITH MITHER	N/A
8.5.4.1	Large data storage equipment	M M A	N/A
8.5.4.2	Equipment having electromechanical device for destruction of media	NUTER WALTE WALTE WALL WAS	N/A
8.5.4.2.1	Safeguards and Safety Interlocks	et the the street	N/A

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Clause	Requirement – Test	Result – Remark	Verdict
8.5.4.2.2	Instructional safeguards against moving parts	NITE WILL WALLE WALLE	N/A
STEE !	Instructional Safeguard	at the set set.	(TE -
8.5.4.2.3	Disconnection from the supply	in min min m	N/A
8.5.4.2.4	Probe type and force (N)	- Tex Itex Itex out	N/A
8.5.5	High Pressure Lamps	No high pressure lamps	N/A
8.5.5.1	Energy Source Classification	THE STEE STEEL STATE	N/A
8.5.5.2	High Pressure Lamp Explosion Test	m m m	N/A
8.6	Stability	LIER WILL WILL AND S	N/A
8.6.1	Product classification	. 4 4 8	N/A
no n	Instructional Safeguard	er until whit will we	_
8.6.2	Static stability	. A set set st	N/A
8.6.2.2	Static stability test	while were much and	N/A
N.L. E.	Applied Force	at the the tier	, i –
8.6.2.3	Downward Force Test	We are an an	N/A
8.6.3	Relocation stability test	the the ties with	N/A
*	Unit configuration during 10° tilt	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A -
8.6.4	Glass slide test	y at mile uni	N/A
8.6.5	Horizontal force test (Applied Force)		N/A
, m	Position of feet or movable parts	BLIEF WILL WALL WALL	21, -
8.7	Equipment mounted to wall or ceiling	a de de de	N/A
8.7.1	Mounting Means (Length of screws (mm) and mounting surface)	ere unit wat wat	N/A
8.7.2	Direction and applied force	EL MITE ONLY WALL ON	N/A
8.8	Handles strength	No handles.	N/A
8.8.1	Classification	autic more more more	N/A
8.8.2	Applied Force	at the tile of the	N/A
8.9	Wheels or casters attachment requirements	No wheels or casters.	N/A
8.9.1	Classification	Let tell tell street	N/A
8.9.2	Applied force	in the suit	_
8.10	Carts, stands and similar carriers	No carts or stands or other carriers.	N/A
8.10.1	General	at let let let	N/A
8.10.2	Marking and instructions	MULL MULL MILL MILL	N/A
MILIE	Instructional Safeguard	TEX STEX STEX BUTER	
8.10.3	Cart, stand or carrier loading test and compliance	he was the lite	N/A

	EN 6236	88-1	
Clause	Requirement – Test	Result – Remark	Verdict
AL TEN	Applied force	Liter with united unit	CER TEN LI
8.10.4	Cart, stand or carrier impact test	a at at all	N/A
8.10.5	Mechanical stability	rice mure mure man	N/A
LIE WY	Applied horizontal force (N)	t TEX TEX STEE	MITE -
8.10.6	Thermoplastic temperature stability (°C)	141 141	N/A
8.11	Mounting means for rack mounted equipment	Not rack mounted.	N/A
8.11.1	General	M. M.	N/A
8.11.2	Product Classification	WIER WILL MILL MILL	N/A
8.11.3	Mechanical strength test, variable N		N/A
8.11.4	Mechanical strength test 250N, including end stops	THE WALL WALL WALL	N/A
8.12	Telescoping or rod antennas	No rod antennas.	N/A
* 20	Button/Ball diameter (mm)	14	,e —

9	THERMAL BURN INJURY	s at the to	P
9.2	Thermal energy source classifications	Enclosure is classed as TS1.	√" P
9.3	Safeguard against thermal energy sources	Enclosure is used as safeguard.	JP N
9.4	Requirements for safeguards	TITL A CALL AND	N/A
9.4.1	Equipment safeguard	A STATE OF STATE OF	N/A
9.4.2	Instructional safeguard	Instructional safeguard is not required	N/A

10	RADIATION	at the the the	P
10.2	Radiation energy source classification	No such radiation energy source	N/A
10.2.1	General classification	- Let Lift Lifet SLIFET	N/A
10.3	Protection against laser radiation	Mr. Mr. An. An.	N/A
MILIE	Laser radiation that exists equipment:	THE LIEF SLIFE WITE SIN	10 m
<i>*</i>	Normal, abnormal, single-fault	m m m	N/A
Will a	Instructional safeguard	TER STER WITE WITE WITE	_
let i	Tool	The state of the	_
10.4	Protection against visible, infrared, and UV radiation	White white white white	N/A
10.4.1	General	THE STEE STEE SPITE SPITE	N/A
10.4.1.a)	RS3 for Ordinary and instructed persons	The the table	N/A
10.4.1.b)	RS3 accessible to a skilled person	LIFE RUFE MITE MITE WAS	N/A
NUTER VIL	Personal safeguard (PPE) instructional safeguard	et tet tiet stret mile	white!

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Clause	Dequirement Test	Docult Demork	Verdict
Clause	Requirement – Test	Result – Remark	verdict
10.4.1.c)	Equipment visible, IR, UV does not exceed RS1	ALTE MELLE MELLE WALL	N/A
10.4.1.d)	Normal, abnormal, single-fault conditions	TER OFFER SUPER MALL MALL MALL	N/A
10.4.1.e)	Enclosure material employed as safeguard is opaque	Safeguard is not required.	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	STEE WALTE WALTE WALT	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	MALTER WALTE WALL WALL	N/A
NALIE.	Normal, abnormal, single fault conditions	THE SHE WITH MITH	N/A
- t	Equipment safeguards	m m m	N/A
West M	Instructional safeguard for skilled person	TEX STEE STEE WITE IN	N/A
10.5.3	Most unfavourable supply voltage to give maximum radiation	The Will is	TEX MITE
4 1	Abnormal and single-fault condition	3 3 3	N/A
WILL	Maximum radiation (pA/kg)	THE LIFE WITH MITH	N/A
10.6	Protection against acoustic energy sources	The American	N/A
10.6.1	General	LIER RUEL WILL WHILL	N/A
10.6.2	Classification		N/A
ne ne	Acoustic output, dB(A)	TER OUTER MALTE MALLE W	N/A
18th - 18	Output voltage, unweightedr. m. s		N/A
10.6.4	Protection of persons	WILL MILL MILL WILL	N/A
ek Jek	Instructional safeguards		N/A
ZEK ZU	Equipment safeguard prevent ordinary person to RS2	min min min my	70 _
m, n	Means to actively inform user of increase sound pressure	LIE WALLE WALL WALL V	n
VEL MUE	Equipment safeguard prevent ordinary person to RS2	JUNETER WHITE WA	_
10.6.5	Requirements for listening devices (headphones, earphones, etc.)	Writes writes write write	N/A
10.6.5.1	Corded passive listening devices with analog input	TIEL WILLER WATER	N/A
WITEK N	Input voltage with 94 dB(A) L _{Aeq} acoustic pressure output	at at the state state.	ALTEV —

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Clause	Requirement – Test	Result – Remark	Verdict
10.6.5.2	Corded listening devices with digital input	PLIET WALLET WALLET WAL	N/A
CLIFER II	Maximum dB(A)	at the set	- LTE -
10.6.5.3	Cordless listening device	Mr. Mr. Mr. Mr. Mr.	N/A
LIE OLI	Maximum dB(A)	It set set	THE -

B WALLE	NORMAL OPERATING CONDITION TESTS, A CONDITION TESTS AND SINGLE FAULT CO		P
B.2	Normal Operating Conditions	at at the the set	Р
B.2.1	General requirements	. (See summary of testing & appended test tables)	P
TEH TE	Audio Amplifiers and equipment with audio amplifiers	white white with the	N/A
B.2.3	Supply voltage and tolerances	NITE WILL WILL WILL VI	Р
B.2.5	Input test	. (See appended table B.2.5)	P
B.3	Simulated abnormal operating conditions	THE WALL WALL WALL WALL	Р
B.3.1	General requirements	. (See appended table B.3)	Р
B.3.2	Covering of ventilation openings	the write Auto Auto Auto	N/A
B.3.3	D.C. mains polarity test	the tree tree	N/A
B.3.4	Setting of voltage selector	. No such voltage selector	N/A
B.3.5	Maximum load at output terminals	The Table 1	N/A
B.3.6	Reverse battery polarity	Mr. Mr. M. M.	N/A
B.3.7	Abnormal operating conditions as specified in Clause E.2.	Not such equipment.	N/A
B.3.8	Safeguards functional during and after abnormal operating conditions	All safeguards remained effective.	unt P
B.4	Simulated single fault conditions	and the state of the state of	g∜P
B.4.2	Temperature controlling device open or short-circuited	No such controlling device	N/A
B.4.3	Motor tests	SLITER INLIE SUNLIE WALL WA	N/A
B.4.3.1	Motor blocked or rotor locked increasing the internal ambient temperature	Tex lifet slifet shifet while	N/A
B.4.4	Short circuit of functional insulation	(See appended table B.4)	Р
B.4.4.1	Short circuit of clearances for functional insulation	(See appended table B.4)	n P
B.4.4.2	Short circuit of creepage distances for functional insulation	(See appended table B.4)	Pol
B.4.4.3	Short circuit of functional insulation on coated printed boards	SLIER MILER WALLER WALLER WAL	N/A
B.4.5	Short circuit and interruption of electrodes in tubes and semiconductors	et tet tet stet stret seite	N/A

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Clause	Requirement – Test	Result – Remark	Verdict
Clause	Requirement – Test	Nesuit – Nemark	verdict
B.4.6	Short circuit or disconnect of passive components	(See appended table B.4)	Р
B.4.7	Continuous operation of components	TEX SLIET WILL WILL WALL	N/A
B.4.8	Class 1 and Class 2 energy sources within limits during and after single fault conditions	- Tet stiet street sources	nu P
B.4.9	Battery charging under single fault conditions	Mr. Mr. Mr.	N/A
. Mer	an an an at It I That	LIER SLIEB MITE WALL O	n in
C A	UV RADIATION	an the state of	N/A
C.1	Protection of materials in equipment from UV radiation	No UV radiation within the EUT.	N/A
C.1.2	Requirements	ex stex with with white	N/A
C.1.3	Test method	an a state	N/A
C.2	UV light conditioning test	SLIEF WILL MILL MILL	N/A
C.2.1	Test apparatus	The state of	N/A
C.2.2	Mounting of test samples	WITE WILL WALL MAN W	N/A
C.2.3	Carbon-arc light-exposure apparatus		N/A
C.2.4	Xenon-arc light exposure apparatus	the write many many many	N/A
LITER IN	5	TET STEP	- CIER
D	TEST GENERATORS	The same of the sa	N/A
D.1	Impulse test generators	THE STATE OF THE S	N/A
D.2	Antenna interface test generator	Mur. Mur. Mur. M.	N/A
D.3	Electronic pulse generator	LEK TEK TEK MITER IN	N/A
	et let let lift lift while while or	er me me	s of
E C	TEST CONDITIONS FOR EQUIPMENT CONT	AINING AUDIO AMPLIFIERS	N/A
E.1	Audio amplifier normal operating conditions	1/1 1/2 x	N/A
ice. The	Audio signal voltage (V)	CITER WITH MITH MITH	1000 -1
	Rated load impedance (Ω)	in the set set	(# —
E.2	Audio amplifier abnormal operating conditions	WITE WHILE MALL MALL W	N/A
TEX	LIET INLIE WHILE WHILE WITH WITH	a state of	TER STE
F ^M	EQUIPMENT MARKINGS, INSTRUCTIONS, A SAFEGUARDS	ND INSTRUCTIONAL	P
F.1 🤲	General requirements	A WILL WILL MILL WILL	n P
ret it	Instructions – Language	. English	JEX-
F.2	Letter symbols and graphical symbols	antite mati water water	P
F.2.1	Letter symbols according to IEC60027-1	a de de de	P
F.2.2	Graphic symbols IEC, ISO or manufacturer specific	Will Mary Mary Mary My	Р

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EN 62368-1			Tr. al
Clause	Requirement – Test	Result – Remark	Verdict
F.3	Equipment markings	THE STATE WILL MALES	Р
F.3.1	Equipment marking locations	Located on the enclosure surface	P
F.3.2	Equipment identification markings	Located on the enclosure surface	Р
F.3.2.1	Manufacturer identification	See copy of marking plate	de
F.3.2.2	Model identification	See copy of marking plate	1000
F.3.3	Equipment rating markings	Occ copy of marking place	P
F.3.3.1	Equipment with direct connection to mains	March Mill Mar Aug M	N/A
F.3.3.2	Equipment without direct connection to mains	et the the tite all	Р
F.3.3.3	Nature of supply voltage	See the copy of marking plate for detail.	P.
F.3.3.4	Rated voltage	12VDC	`
F.3.3.4	Rated frequency	THE STEEL STIER WITE	NIT J
F.3.3.6	Rated current or rated power	3A	J
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	TER WILL MILL MULT MULT	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	white white white whi w	N/A
F.3.5.4	Replacement battery identification marking	TEX LIFE WITER WITE WITE	N/A
F.3.5.5	Terminal marking location	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
F.3.6	Equipment markings related to equipment classification	LEY MALTER WALTER WALTER WALTER	N/A
F.3.6.1	Class I Equipment	The life stiff with	N/A
F.3.6.1.1	Protective earthing conductor terminal	Mrs. Mrs. Mrs. Mrs.	N/A
F.3.6.1.2	Neutral conductor terminal	THE STEE STEE WATER ON THE SUIT	N/A
F.3.6.1.3	Protective bonding conductor terminals	The same of the sa	N/A
F.3.6.2	Class II equipment (IEC60417-5172)	ITER WITE WITE MUTE MUTE	N/A
F.3.6.2.1	Class II equipment with or without functional earth	et itet litet nitet mitet	N/A
F.3.6.2.2	Class II equipment with functional earth terminal marking	et set set stet	N/A
F.3.7	Equipment IP rating marking	IPX0, no marking is needed	L -
F.3.8	External power supply output marking	TEX TEX STEX WITER ON	N/A
F.3.9	Durability, legibility and permanence of marking	the second second	Р

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EN 62368-1			WELL ST
Clause	Requirement – Test	Result – Remark	Verdict
F.3.10	Test for permanence of markings	LIET NIET WIFE WATER	Р
F.4	Instructions	N 10 10 1	P
an an	a) Equipment for use in locations where children not likely to be present - marking	THE WALL WALL WALL WALL	N/A
12 145	b) Instructions given for installation or initial use	CRITER MALTER MALTE	P
et let	c) Equipment intended to be fastened in place	the state of the	N/A
- LEAR	d) Equipment intended for use only in restricted access area	write with when with	N/A
WELL A	e) Audio equipment terminals classified as ES3 and other equipment with terminals marked in accordance F.3.6.1	THE MULTE WALL WILL W	N/A
<i>y</i>	f) Protective earthing employed as safeguard	any any any any	N/A
ITE WALTE	g) Protective earthing conductor current exceeding ES 2 limits	MILIER WHITER WHITER WHITE	N/A
K STEK	h) Symbols used on equipment	at left telt telt	N/A
All the	i) Permanently connected equipment not provided with all-pole mains switch	Will mir my	N/A
No. N	j) Replaceable components or modules providing safeguard function	HER WHITE WHITE WILL WI	N/A
F.5	Instructional safeguards	Instructional safeguard is not required.	N/A
ie white t tex	Where "instructional safeguard" is referenced in the test report it specifies the required elements, location of marking and/or instruction	MILIE WHILE WHILE	N/A
mr.	A A THE THE	LIFE WIFE WHILE WHILE W	er an
G A	COMPONENTS	and the second	et eP⁺
G.1	Switches	the write while my my	N/A
G.1.1	General requirements	No switches used	N/A
G.1.2	Ratings, endurance, spacing, maximum load	with Aut Aut Au	N/A
G.2	Relays	at let let lifet	N/A
G.2.1	General requirements	ner me me m	N/A
G.2.2	Overload test	THE THE LIEF WHEN	N/A
G.2.3	Relay controlling connectors supply power	r mr m m	N/A
G.2.4	Mains relay, modified as stated in G.2	y tel steet steet steet	N/A
G.3	Protection Devices	24, 24, 25, 25	N/A
G.3.1	Thermal cut-offs	LIER SLIER SMITH SMITH	N/A
G.3.1.1a) &b)	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)	NIET UNIET WHIEK WHIEK	N/A



EN 62368-1			ITER OLITER OF
Clause	Requirement – Test	Result – Remark	Verdict
G.3.1.1c)	Thermal cut-outs tested as part of the equipment as indicated in c)	NITE WALLEY WALLEY WALL	N/A
G.3.1.2	Thermal cut-off connections maintained and secure	TER WATER WATER WILL	N/A
G.3.2	Thermal links	A THE LITER OUTER A	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	MULT AND THE AND	N/A
SILTE SI	Aging hours (H)	THE THE STEE STEE	SUPER SUPER
74	Single Fault Condition	2 M M M	* *
ner an	Test Voltage (V) and Insulation Resistance (Ω).	et aliet aliet antier	white white
G.3.3	PTC Thermistors	No PTC used	N/A
G.3.4	Overcurrent protection devices	WITE WITE WALLE ON	N/A
G.3.5	Safeguards components not mentioned in G.3.1	I to G.3.5	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	net white whe will	N/A
G.3.5.2	Single faults conditions	TER WILL MULLE MULLIN	N/A
G.4	Connectors		N/A
G.4.1	Spacings	Multi a	N/A
G.4.2	Mains connector configuration	4	N/A
G.4.3	Plug is shaped that insertion into mains socket-outlets or appliance coupler is unlikely	murre murry murry mur	N/A
G.5	Wound Components	alies mile wait wall	N/A
G.5.1	Wire insulation in wound components	a state	N/A
G.5.1.2 a)	Two wires in contact inside wound component, angle between 45° and 90°	THE WALTE WALTE	N/A
G.5.1.2 b)	Construction subject to routine testing	NITER MITE MALLE MI	N/A
G.5.2	Endurance test on wound components	20 20 J	N/A
G.5.2.1	General test requirements	WITER WALLS WALL WAL	N/A
G.5.2.2	Heat run test		N/A
211. 21	Time (s)	LIE WHILL MULL AND	m. m.
alifek ni	Temperature (°C)	e at at at	JER STER
G.5.2.3	Wound Components supplied by mains	Mury Mury Mury	N/A
G.5.3	Transformers	- let tet tet o	N/A
G.5.3.1	Requirements applied (IEC61204-7, IEC61558-1/-2, and/or IEC62368-1)	wer are are an	N/A
20, 1	Position	VILL MULL MULL MULL	20, 20,
All I	Method of protection	a state of	AR AR



	EN 62368	3-1 At At At	
Clause	Requirement – Test	Result – Remark	Verdict
G.5.3.2	Insulation	The NICH WILLIAM	N/A
Z.0.0.2	Protection from displacement of windings	V. 71, 21, 2	- 107.
G.5.3.3	Overload test	W W W	N/A
G.5.3.3.1	Test conditions		N/A
G.5.3.3.2	Winding Temperatures testing in the unit	WE WELL WITH	N/A
G.5.3.3.3	Winding Temperatures - Alternative test method	WITE WILLER WILLER W	N/A
G.5.4	Motors	at the state of	N/A
G.5.4.1	General requirements	THE MILL MILL MILL	N/A
ALTEX ON	Position	at let let stell	SLIFET MLIE
G.5.4.2	Test conditions	me me	N/A
G.5.4.3	Running overload test	THE THE STA	N/A
G.5.4.4	Locked-rotor overload test	My Any An.	N/A
WILL	Test duration (days)	LIER SLIER WITE SIN	The way
G.5.4.5	Running overload test for d.c. motors in secondary circuits	et set set with	N/A
G.5.4.5.2	Tested in the unit	Mr. Mr. M	N/A
NET WILL	Electric strength test (V)	M LEL MAINE	will will
G.5.4.5.3	Tested on the Bench - Alternative test method; test time (h)		N/A
ı x	Electric strength test (V)	an an an	, , , , , , , , , , , , , , , , , , ,
G.5.4.6	Locked-rotor overload test for d.c. motors in secondary circuits	LIER WHITE WALTER WAS	N/A
G.5.4.6.2	Tested in the unit	et let let liet	N/A
s'' - '	Maximum Temperature	in my m	N/A
TIE MULT	Electric strength test (V)	TER THE STEEL	N/A
G.5.4.6.3	Tested on the bench - Alternative test method; test time (h)	THE SHE	N/A
70	Electric strength test (V)	mr. mr. m. m.	N/A
G.5.4.7	Motors with capacitors	THE THE LITTER ST	N/A
G.5.4.8	Three-phase motors	and the man	N/A
G.5.4.9	Series motors	H THE THE WIFE	N/A
at all	Operating voltage	All All A	tt+
G.6	Wire Insulation	- Life Wife While a	N/A
G.6.1	General	20 10 10	N/A
G.6.2	Solvent-based enamel wiring insulation	ALTER WALTE WALL WAL	N/A
G.7	Mains supply cords		N/A

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Clause	Requirement – Test	Result – Remark	Verdict
G.7.1	General requirements	No such cords provided	N/A
7 (I)	Type		20 <u>20</u>
24, 41	Rated current (A)	28 20 3V 3V	W. Aur
5 ⁰ 5	Cross-sectional area (mm²), (AWG)		TET JUL
G.7.2	Compliance and test method	Mill Mill Mill Mill	N/A
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords	MILIER WILLER WILLER WILLER	N/A
G.7.3.2	Cord strain relief	at let let let	N/A
G.7.3.2.1	Requirements	The me me	N/A
miter in	Strain relief test force (N)	et tet tet witer	LIE MLIE
G.7.3.2.2	Strain relief mechanism failure	m. m. m.	N/A
G.7.3.2.3	Cord sheath or jacket position, distance (mm)	LIER NITER WITE WAL	10 TO -3
G.7.3.2.4	Strain relief comprised of polymeric material	1/1 2/1 2/1 2/1	N/A
G.7.4	Cord Entry	aliek aliek antie white	N/A
G.7.5	Non-detachable cord bend protection	and the state of	N/A
G.7.5.1	Requirements	THE WALTE WALL WALL V	N/A
G.7.5.2	Mass (g)	A STATE OF THE STA	JEK JEK
10.	Diameter (m)	2 34 24	
IEE OLIE	Temperature (°C)	The little all	A TILLE OF
G.7.6	Supply wiring space	Mrs. Mrs. Mrs. Mrs. Mrs.	N/A
G.7.6.2	Stranded wire	THE THE STIET WITE	N/A
G.7.6.2.1	Test with 8 mm strand	14 24 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
G.8	Varistors	THE STEEL MITTER WITE W	N/A
G.8.1	General requirements	211. 12. 2	N/A
G.8.2	Safeguard against shock	NITE WILL WALL WALL	N/A
G.8.3	Safeguard against fire	The state of	N/A
G.8.3.2	Varistor overload test	INLITER MALLE MALL WALL	N/A
G.8.3.3	Temporary overvoltage	a at at at	N/A
G.9	Integrated Circuit (IC) Current Limiters		N/A

No such IC used

N/A

N/A

N/A

Test Program 1

Manufacturer defines limit at max. 5A.

Limiters do not have manual operator or reset

Supply source does not exceed 250 VA

IC limiter output current (max. 5A).....

Manufacturers' defined drift

G.9.1 a)

G.9.1 b)

G.9.1 c)

G.9.1 d)

G.9.1 e)

G.9.2

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The same	EN 62368		100 100
Clause	Requirement – Test	Result – Remark	Verdict
200	- 15 Mar Mr M	THE CAN STATE OF	
G.9.3	Test Program 2	be me me n	N/A
G.9.4	Test Program 3	at the telescope	N/A
G.10	Resistors	in the the	N/A
G.10.1	General requirements	No such resistors used	N/A
G.10.2	Resistor test	me me m	N/A
G.10.3	Test for resistors serving as safeguards between the mains and an external circuit consisting of a coaxial cable	Whitek whitek whiteh whiteh.	N/A
G.10.3.1	General requirements	LIER WILL MILL MINE	N/A
G.10.3.2	Voltage surge test		N/A
G.10.3.3	Impulse test	the Will Mult Aut Aug	N/A
G.11	Capacitor and RC units	a state of the	N/A
G.11.1	General requirements	MILL MULL MILL MAY	N/A
G.11.2	Conditioning of capacitors and RC units	at at the set	N/A
G.11.3	Rules for selecting capacitors	very mer me me a	N/A
G.12	Optocouplers	at let the start is	N/A
nitet whit	Optocouplers comply with IEC 60747-5-5:2007 Spacing or Electric Strength Test (specify option and test results)	A STATE OF STATE OF	N/A
Et TEX	Type test voltage Vini		At
M	Routine test voltage, Vini,b	RETER WALL WALL WALL	m - m
G.13	Printed boards	at the fift	P
G.13.1	General requirements	Approved Printed board used	Р
G.13.2	Uncoated printed boards	a at all the	N/A
G.13.3	Coated printed boards	while many many many	N/A
G.13.4	Insulation between conductors on the same inner surface	UNLIER WALTER WALTER	N/A
EX WILTER	Compliance with cemented joint requirements (Specify construction)	THE MITER MITER WILLIAM	Mr. Tek wit
G.13.5	Insulation between conductors on different surfaces	TEX STEX ONTEX SOUTEX SON	N/A
J.	Distance through insulation	'n 'n 'n	N/A
TEK TEK	Number of insulation layers (pcs)	A St St Aug	Uni -
G.13.6	Tests on coated printed boards	WHITE WALL WALL WALL	N/A
G.13.6.1	Sample preparation and preliminary inspection	at the title title	N/A
G.13.6.2a)	Thermal conditioning	ure mure me me a	N/A
G.13.6.2b)	Electric strength test	a state of the	N/A

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<u> </u>	EN 6236		arright of
Clause	Requirement – Test	Result – Remark	Verdict
G.13.6.2c)	Abrasion resistance test	ALTER MALTER WALTER WAY	N/A
G.14	Coating on components terminals		N/A
G.14.1	Requirements	voli voli voli	N/A
G.15	Liquid filled components	a de de de	N/A
G.15.1	General requirements	in mil mil me	N/A
G.15.2	Requirements	the text of the second	N/A
G.15.3	Compliance and test methods	mer and any	N/A
G.15.3.1	Hydrostatic pressure test	TEX TEX SITES OUT	N/A
G.15.3.2	Creep resistance test	u n n n	N/A
G.15.3.3	Tubing and fittings compatibility test	THE STEE STEE SPITE	N/A
G.15.3.4	Vibration test	10, 10, 10	N/A
G.15.3.5	Thermal cycling test	E OLIE WILL WHITE	N/A
G.15.3.6	Force test	7, 7	N/A
G.15.4	Compliance	WILL AVILLE MULLE AND	N/A
G.16	IC including capacitor discharge function (ICX)	N/A
a)	Humidity treatment in accordance with sc5.4.8 – 120 hours	The Mark Mark Mark	N/A
b)	Impulse test using circuit 2 with Uc = to transient voltage	r a com	N/A
C1)	Application of ac voltage at 110% of rated voltage for 2.5 minutes	White White white	N/A
C2)	Test voltage	The the the of	TER SINCE STATE
D1)	10,000 cycles on and off using capacitor with smallest capacitance resistor with largest resistance specified by manufacturer	NO WILL MILES WATER	N/A
D2)	Capacitance		Let Set
D3)	Resistance	" UNITE WALL WALL .	n n n -
er Jer	WITE MILE MILE MILE AND THE	at at at	TER STER OF
Н	CRITERIA FOR TELEPHONE RINGING SIG	NALS W	N/A
H.1	General	let let let il	N/A
H.2	Method A	ne mer me me	N/A
H.3	Method B	AN THE LIFE NITES	N/A
H.3.1	Ringing signal	Mr. Mr. M.	N/A
H.3.1.1	Frequency (Hz)	t tet alter alter	الاريد الماريد أ
H.3.1.2	Voltage (V)	: n, 2, 2, 3, 3	x & -
H.3.1.3	Cadence; time (s) and voltage (V)	LIFE OLIFE MALTER AND	in in
H.3.1.4	Single fault current (mA):	4 4 4	الاستادات الم

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EN 62368-1			
Clause	Requirement – Test	Result – Remark	Verdict
H.3.2	Tripping device and monitoring voltage:	NITE WALLEY WALLEY WALLEY	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage complied with	TEX STEEL WITER WATER WAY	N/A
H.3.2.2	Tripping device	. 1 A B B	N/A
H.3.2.3	Monitoring voltage (V)	With white with white	1/2 -1
CER CLE	THE MILE WHIT WALL WAS TO THE	at the first	JEK N
J W	INSULATED WINDING WIRES FOR USE WIT INSULATION	HOUT INTERLEAVED	N/A
ans.	General requirements	LIE WILL MALL MALL WALL WE	N/A
LEX.	LE MILE WILL MILL MAN TO THE TOTAL T	and the state of	EX SEX
K	SAFETY INTERLOCKS	THE WITTE WALL WAS MAN	N/A
K.1	General requirements	No safety interlocks inside the EUT	N/A
K.2	Components of safety interlock safeguard mechanism	Tet street saltest soutest as	N/A
K.3	Inadvertent change of operating mode	in the same	N/A
K.4	Interlock safeguard override	TER STEEL WILL MULL MA	N/A
K.5	Fail-safe Fail-safe		N/A
ve. The	Compliance	Multi Muli	N/A
K.6	Mechanically operated safety interlocks	t 10t	N/A
K.6.1	Endurance requirement	wife with mit with	N/A
K.6.2	Compliance and Test method	at the fifty	N/A
K.7	Interlock circuit isolation	still mutt mutt must m	N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements (type and circuit location)	EX UNITER WHITEK WHITEK WHI	N/A
K.7.2	Overload test, Current (A)	CIET ALTER MATER ANATE	N/A
K.7.3	Endurance test	1/1 1/2 x	N/A
K.7.4	Electric strength test	ALTER MALTER ANATON MALTER	N/A
. TEX	TEX NITER WITER WAIT WAS WITE		18t 18
File.	DISCONNECT DEVICES	LITER WILL WALL WILL WILL WI	N/A
L.1	General requirements	and the state of	N/A
L.2	Permanently connected equipment	white whi was any	N/A
L.3	Parts that remain energized	it let tet steet	N/A
L.4	Single phase equipment	murr mr. Mr. Mr.	N/A
L.5	Three-phase equipment	at let tet tet tet.	N/A
L.6	Switches as disconnect devices	ur, mur my m.	N/A
L.7	Plugs as disconnect devices	at the text the st	N/A

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, Jr.	EN 62368		100
Clause	Requirement – Test	Result – Remark	Verdict
L.8	Multiple power sources	NIET MITTER MITTER	N/A
TEN N	THE MITTER MILL MALL WALL WITH	at the state of	LIFE
M	EQUIPMENT CONTAINING BATTERIES AND	THEIR PROTECTION CIRCUITS	N/A
M.1	General requirements	- let tet tet stet	N/A
M.2	Safety of batteries and their cells	me me me m	N/A
M.2.1	Requirements	Let tet tet nitet nitet	N/A
M.2.2	Compliance and test method (identify method)	me me me	N/A
M.3	Protection circuits	THE THE STEE WITE ON	N/A
M.3.1	Requirements	2 Au 24 A	N/A
M.3.2	Tests	et affet outer south south	N/A
et se	- Overcharging of a rechargeable battery	the transfer of	N/A
e sk	- Unintentional charging of a non-rechargeable battery	White white white when y	N/A
Will.	- Reverse charging of a rechargeable battery	THE STILL NITE WITH MY	N/A
<i>A</i> +	- Excessive discharging rate for any battery	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
M.3.3	Compliance	TEK OLITER ONLIE WALLE WALL	N/A
M.4	Additional safeguards for equipment containing secondary lithium battery	A SE STEEL MITEL	N/A
M.4.1	General	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A
M.4.2	Charging safeguards	LIFE OLIVE MILE MALTE W	N/A
M.4.2.1	Charging operating limits	74 74 74	N/A
M.4.2.2a)	Charging voltage, current and temperature	LIFE MITE WITE WHITE WAS	1/2
M.4.2.2 b)	Single faults in charging circuitry		4
M.4.3	Fire Enclosure	the write while while while	N/A
M.4.4	Endurance of equipment containing a secondary lithium battery	SLIER SLIER SMITH SMITH	N/A
M.4.4.2	Preparation	In the state of	N/A
M.4.4.3	Drop and charge/discharge function tests	CLIER WILL WHILE WHILE WAS	N/A
Alt.	Drop	a se se set s	N/A
11/2 21	Charge	ITE WITT MILL MALL MALL	N/A
TER ST	Discharge	a at at at at	N/A
M.4.4.4	Charge-discharge cycle test	mery are are an	N/A
M.4.4.5	Result of charge-discharge cycle test	at let let little	N/A
M.5	Risk of burn due to short circuit during carrying	min my my my	N/A
M.5.1	Requirement	with mit whi whe wh	N/A

N/A

Compliance and Test Method (Test of P.2.3)

M.5.2

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T. W.	EN 62368	The fee the street	Ch 1
Clause	Requirement – Test	Result – Remark	Verdict
M.6	Prevention of short circuits and protection from other effects of electric current	ALTER WHITE WHITE WILL	N/A
M.6.1	Short circuits	TER STEEL WITE WILLEN WALLE	N/A
M.6.1.1	General requirements	* * * *	N/A
M.6.1.2	Test method to simulate an internal fault	niter antick white whi	N/A
M.6.1.3	Compliance (Specify M.6.1.2 or alternative method)	TER WITER WITER MITTER AN	N/A
M.6.2	Leakage current (mA)	ar ar at	N/A
M.7	Risk of explosion from lead acid and NiCd batteries	LIE WHITE WHITE WHITE WHITE	N/A
M.7.1	Ventilation preventing explosive gas concentration	ex miles miles miles miles	N/A
M.7.2	Compliance and test method	ret tet tiet witer	N/A
M.8	Protection against internal ignition from external spark sources of lead acid batteries	THE THE THE	N/A
M.8.1	General requirements	Write Mur. Mur. Mur. M.	N/A
M.8.2	Test method	at let let liet site	N/A
M.8.2.1	General requirements	The sur we say	N/A
M.8.2.2	Estimation of hypothetical volume Vz (m³/s)	et a liter niter	INCTE.
M.8.2.3	Correction factors	2 2 2 3 7	· 4-
M.8.2.4	Calculation of distance d (mm)	The life of the outle of	1720 24
M.9	Preventing electrolyte spillage	ne m m	N/A
M.9.1	Protection from electrolyte spillage	ITEX NITER OUTE WATER WATER	N/A
M.9.2	Tray for preventing electrolyte spillage		N/A
M.10	Instructions to prevent reasonably foreseeable misuse (Determination of compliance: inspection, data review; or abnormal testing)	EL WHITE WHITE WHITE WHITE	N/A
~ ~	the left that the shift while	while my my	
N mite	ELECTROCHEMICAL POTENTIALS	et set set aset aseem	N/A
CLER.	Metal(s) used	into any any any a	٠
0	MEASUREMENT OF CREEPAGE DISTANCES	S AND CLEARANCES	P
uri au	Figures O.1 to O.20 of this Annex applied	Considered	mr.
P J	SAFEGUARDS AGAINST ENTRY OF FOREIG	ON OBJECTS AND SPILLAGE OF	N/A
P.1	General requirements	THE LIFE OLIER ONLY	N/A
P.2.2	Safeguards against entry of foreign object		N/A

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11010101100	7110 11 17.1227.00 1000000	1 490 00 01 00	
ITE INIT	MULL MULL MAY MA	EN 62368-1	ALTER WILL
Clause	Requirement – Test	Result – Remark	Verdict

Clause	Requirement – Test	Result – Remark	verdict
NI CIE		The state of the s	E 100 CT
- '.'	Location and Dimensions (mm)	in the me in the	
P.2.3	Safeguard against the consequences of entry of foreign object	TEX WILLS WHILE MULTER WHILE	N/A
P.2.3.1	Safeguards against the entry of a foreign object	LIET STEET STEET SMITH	N/A
at set	Openings in transportable equipment	Mr. Mr. of ct	N/A
an.r	Transportable equipment with metalized plastic parts	MULTER MULTER MULTER MULTER MINITER	N/A
P.2.3.2	Openings in transportable equipment in relation to metallized parts of a barrier or enclosure (identification of supplementary safeguard)	LIER WHITE WHITE WHITE WHI	N/A
P.3	Safeguards against spillage of internal liquids	No internal liquids.	N/A
P.3.1	General requirements	THE STIP WITH SHIP SHIP A	N/A
P.3.2	Determination of spillage consequences	In the state of	N/A
P.3.3	Spillage safeguards	alter alter antil anti- an	N/A
P.3.4	Safeguards effectiveness	and the second	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	MILITE MINITE	N/A
11 1E	Tc (°C)	+ # #	/t+
7/2	Tr (°C)	with with with and an	- m
r Jer	Ta (°C)	a state of the	et -51
P.4.2 b)	Abrasion testing	THE MILL MILL MILL MILL	N/A
P.4.2 c)	Mechanical strength testing	is it that the till	N/A
<i>in a</i> ,	The fifth of the state of the	whi me me m	70,
Q C	CIRCUITS INTENDED FOR INTERCONNECT	ON WITH BUILDING WIRING	N/A
Q.1	Limited power sources	Mer Mr. Mr. M.	N/A
Q.1.1 a)	Inherently limited output	TER TER STEE WITE NO	N/A
Q.1.1 b)	Impedance limited output	no my my	N/A
AND A	- Regulating network limited output under normal operating and simulated single fault condition	LIET WHITE WHITE WHITE WHITE	N/A
Q.1.1 c)	Overcurrent protective device limited output	avite mit, mor mor	N/A
Q.1.1 d)	IC current limiter complying with G.9	at the fifth of the	N/A
Q.1.2	Compliance and test method	white mir and a	N/A
Q.2	Test for external circuits – paired conductor cable	NUTER WHITER WHITER WHITER WHI	N/A
18th	Maximum output current (A)		

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Clause	Requirement – Test	Result – Remark	Verdict
411-72	Current limiting method	NIET WILLS MILITER WIN	the market
JEK	THE MILE WHILE WHILE WAS AND A	a at at at	t ster ster
R	LIMITED SHORT CIRCUIT TEST	The walk was	N/A
R.1	General requirements	- At 18th 58th	N/A
R.2	Determination of the overcurrent protective device and circuit	Mus and any	N/A
R.3	Test method Supply voltage (V) and short-circuit current (A)).	With My Min My	N/A
Mr.	a state of the state of	LIER MITE WALL WALL	Mrs Mes
S	TESTS FOR RESISTANCE TO HEAT AND FIR	RE	N/A
S.1	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W	white when when	N/A
	Samples, material	Mrs. Mrs. Mrs.	- A
White	Wall thickness (mm)	THE LIFE STEEL ON	The Will Carry
<i>*</i>	Conditioning (°C)	11. 14. 14.	4 J- J
Water 1	Test flame according to IEC 60695-11-5 with conditions as set out	TER WHITE WHITE WHITE	N/A
LTE WA	- Material not consumed completely	A LIFE CONTINUES	N/A
	- Material extinguishes within 30s	3 7 7	N/A
" Mr.	- No burning of layer or wrapping tissue	THE NITE WITH N	N/A
S.2	Flammability test for fire enclosure and fire barrier integrity	THE THE STEEL ON	N/A
٠,٠	Samples, material	in the sail	, ,
neis a	Wall thickness (mm)	Et LIER RITER MITE	with with
<i>s</i> + .	Conditioning (°C)	201 201	A 14
د در دران	Test flame according to IEC 60695-11-5 with conditions as set out	MULTER MULTER WILLER	N/A
MILL	Test specimen does not show any additional hole	UNLIER WALTER WALTER WA	N/A
5.3	Flammability test for the bottom of a fire enclosure	LIEK WALTER WALTER WALT	N/A
LIEK O	Samples, material	at let let	SUPP SUPP
- 22	Wall thickness (mm)	were me me	24 2
E JOLI	Cheesecloth did not ignite	Let Jet Jet	N/A
5.4	Flammability classification of materials	me me a	N/A
S.5	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W	NITER WHITER WHITER WH	N/A

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3, 945.	EN 62368		The sale
Clause	Requirement – Test	Result – Remark	Verdict
The Contract of the Contract o	Samples, material	Life with which was	Mrt mrc
16	Wall thickness (mm)		10 10
21/2, 21	Conditioning (test condition), (°C)		V. 10.
10th 1	Test flame according to IEC 60695-11-20 with	A ST ST S	N/A
	conditions as set out	write white whi whi	
iek unite	After every test specimen was not consumed completely	TUTER INLIER WHITER WHITE	N/A
WALTER	After fifth flame application, flame extinguished within 1 min	THE LIET WITH WITH	N/A
<i>*</i>	the title street south white the	10 10 10 10 10 10 10 10 10 10 10 10 10 1	at alt
1, 4	MECHANICAL STRENGTH TESTS	ER WILL WILL MULL M	, P
T.1-	General requirements	a state of	P
T.2	Steady force test, 10 N	Mile Will Will Mile	N/A
T.3	Steady force test, 30 N	and the set	N/A
T.4	Steady force test, 100 N	Write Muri Muri Muri	N/A
T.5	Steady force test, 250 N	(see appended table T5)	The Part
T.6	Enclosure impact test	(see appended table T6)	Р
OLITER SIN	Fall test	of the state of	P
	Swing test		N/A
T.7	Drop test	LIE RLIE MLIN MILE	N/A
T.8	Stress relief test	(See appended table T.8)	P
T.9	Impact Test (glass)	No glass used	N/A
T.9.1	General requirements	a a state of	N/A
T.9.2	Impact test and compliance	is units with any w	N/A
Jet "Li	Impact energy (J)	at at the	et alet
	Height (m)	ANT MUT ANT AND	1, _
T.10	Glass fragmentation test	At the set with	N/A
T.11	Test for telescoping or rod antennas	they show say	N/A
MULTE	Torque value (Nm)	LIET WILLIAM WALLEY	mer merie
TEX	Let wite write mile and any	and the state of	TEK TEK
Ü	MECHANICAL STRENGTH OF CATHODE RAY PROTECTION AGAINST THE EFECTS OF IMP		N/A
U.1	General requirements	No CRTs	N/A
U.2	Compliance and test method for non- intrinsically protected CRTs	if the lift stiff spilet	N/A
U.3	Protective Screen	in the second	N/A

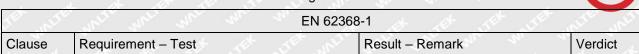
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. 1975			
TER INLT	WILL MUT, MUT	EN 62368-1	LIER WIFE WALTE
Clause	Requirement – Test	Result – Remark	Verdict

711-	The state of the s	hr. m
VITER	DETERMINATION OF ACCESSIBLE PARTS (FINGERS, PROBES AND WEDGES)	N/A
V.1	Accessible parts of equipment	N/A
V.2	Accessible part criterion	N/A

WALEFER

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

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

Differences according to: EN 62368-1:2014+A11:2017
Attachment Form No.: EU_GD_IEC62368_1D_II

Attachment Originator: Nemko AS

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

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	CENELEC (COMMON MC	DIFICATI	ONS (EN)			7	
TER WILTE		bclauses, note 62368-1:2014		igures and anne ed "Z".	xes which ar	e additional to	11.	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		WITEH IN		on It	PLI WALTER
ILLE MULL	Delete all th		notes in th	e reference do	_		34	Р
	0.2.1	Note	1	Note 3	4.1.15	Note	ناين	
	4.7.3	Note 1 and 2	5.2.2.2	Note	5.4.2.3.2.2 Table 13	Note c	INLT EV	
	5.4.2.3.2.4	Note 1 and 3	5.4.2.5	Note 2	5.4.5.1	Note		
	5.5.2.1	Note	5.5.6	Note	5.6.4.2.1	Note 2 and 3		
	5.7.5	Note	5.7.6.1	Note 1 and 2	10.2.1 Table 39	Note 2, 3 and 4	in.	
	10.5.3	Note 2	10.6.2.1	Note 3	F.3.3.6	Note 3	w II	
alifek o	For special	national con	ditions, se	e Annex ZB.		TEK TEK	CT P.	C. E.
nites wit		use of certain sub oment is restricted			WALL WALL	MULTER MULT	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N/A

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

4.Z1	Add the following new subclause after 4.9:	The Mere who may any	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;	EX JUNITER WAITER WAITER WAITER WHITER WAITER WAITER WAITER WHITER WAITER WAITER WAITER TEX SITER ALTER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAITER WAIT	
	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 MUTER MUTER MUTER MUTER	
	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 WALTER WALTER WALTER WALTER	
tex auritex	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.	MULTER WHITE WHITE W	ek wi
5.4.2.3.2.4	Add the following to the end of this subclause:	No connection to external circuit.	N/A
JUNLIEK JUNI	The requirement for interconnection with external circuit is in addition given in EN 50491-3:2009.	EX WHITEX WHITEX WHITE	MALTER
10.2.1	Add the following to c) and d) in table 39: For additional requirements, see 10.5.1.	No radiation.	N/A

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Clause	Requirement – Test	Result – Remark	Verdict
- 10		1 A A	A
10.5.1	Add the following after the first paragraph: For RS 1 compliance is checked by measurement under the following conditions: In addition to the normal operating conditions, all controls adjustable from the outside by hand, by any object such as a tool or a coin, and those internal adjustments or presets which are not locked in a reliable manner, are adjusted so as to give maximum radiation whilst maintaining an intelligible picture for 1 h, at the end of which the measurement is made. NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.	Added.	N/A
	The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm², at any point 10 cm from the outer surface of the apparatus.	A Mariet Mariet Mariet	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.	nitet whitet whitet wh	iter and les and
MULEK MU MULEK	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.	THE WALTE WALL WALL	MUTER MUTER
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
	Add the following new subclause after 10.6.5. 10.Z1 Non-ionizing radiation from radio frequencies in the range 0 to 300 GHz The amount of non-ionizing radiation is regulated by European Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz). For intentional radiators, ICNIRP guidelines should be taken into account for Limiting Exposure to Time-Varying Electric, Magnetic, and Electromagnetic Fields (up to 300 GHz). For hand-held and body-mounted devices, attention is drawn to EN 50360 and EN 50566	Et Junifet while while Junifet whilet while Junifet whilet whilet Jet whilet whilet Jet whilet whilet Jet whilet Jet whilet Junifet Junifet Junifet Junifet Junifet Junifet Junifet	N/A White white White
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

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Kelelelice	NO W 1 X 2 X 00 10 00 595	rage 37 01 39		
EN 62368-1				
Clause	Requirement – Test	Result – Remark	Verdict	

Bibliograph	Add the following standards:	N/A	
У	Add the following notes for the standards indicated:	et set	
	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.		
THE RUTE	IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4.	OLIE TOLI	
7	IEC 60664-5 NOTE Harmonized as EN 60664-5.		
	IEC 61032:1997 NOTE Harmonized as EN 61032:1998 (not modified).		
	IEC 61508-1 NOTE Harmonized as EN 61508-1.		
	IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1.	t set	
	IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4.	Wer. W	
	IEC 61558-2-6 NOTE Harmonized as EN 61558-2-6.		
LIEM OLIVE	IEC 61643-1 NOTE Harmonized as EN 61643-1.	alife Wil	
20	IEC 61643-21 NOTE Harmonized as EN 61643-21.	2, ,	
et ciet	IEC 61643-311 NOTE Harmonized as EN 61643-311.		
	IEC 61643-321 NOTE Harmonized as EN 61643-321.		
	IEC 61643-331 NOTE Harmonized as EN 61643-331.		
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)	mr.	
4.1.15	Denmark, Finland, Norway and Sweden	N/A	
	To the end of the subclause the following is added:	mr, m	
	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.	WILLER WALTER	
	The marking text in the applicable countries shall be as follows:	JALTEK WA	
	In Denmark : "Apparatetsstikpropskaltilsluttes en stikkontakt med jordsom giver forbindelsetilstikproppensjord."	NITER MUTT	
	In Finland : "Laite on liitettäväsuojakoskettimillavarustettuunpistorasi aan"	1 H WALTER	
	In Norway : "Apparatetmåtilkoplesjordetstikkontakt"	- WALTER	
	In Sweden : "Apparatenskallanslutas till jordatuttag"	TEX ST	

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

4.7.3	United Kingdom	The wife was and and	N/A
	To the end of the subclause the following is added:	et jet siret miet miet mie	
	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 whitek	
5.2.2.2	Denmark After the 2 nd paragraph add the following: A warning (marking safeguard) for high touch current is required if the touch current exceeds the limits of 3,5 Ma a.c. or 10 Ma d.c.	No high touch current measured.	N/A

MALLERE



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

Clause	Requirement – Test	Result – Remark	Verdict
	The state of the state of		TEN SULL
5.4.11.1 and Annex G	Finland and Sweden To the end of the subclause the following is added:	No connection to such a network.	N/A
	For separation of the telecommunication network from earth the following is applicable:	Their man man was	ALTEK MI
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	White whit will want	
	two layers of thin sheet material, each of which shall pass the electric strength test below, or	ance with which will be	EK WALTER
	• one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	the many with the sanifest	MULIER
	If this insulation forms part of a semiconductor component (e.g. an optocoupler), there is no distance through insulation requirement for the insulation consisting of an insulating compound completely filling the casing, so that clearances and creepage distances do not exist, if the component passes the electric strength test in accordance with the compliance clause below and in addition	Whitek whitek whitek whitek wh	NUTER WALLER
	• 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	White white	WALTER WA
	• is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5Kv.	unite unit unit unit u	er witer
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	of the text of the	- WITEK
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	Test street nations such	UNITEK WAT
	• 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;		TEK WALTE
	• the additional testing shall be performed on all the test specimens as described in EN 60384- 14;	to and and and and	UNLIEK UN
	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.	antiet mitter antiet mitter	HIER WALL

Reference	No.: WTX22X08156839S	Page 40 of 59	
JET INIT	white with white will	EN 62368-1	ALTER WALTE
Clause	Requirement – Test	Result – Remark	Verdict

+ ,;;			- d
5.5.2.1	Norway	Considered.	P
5.5.2.1	After the 3 rd paragraph the following is added:	Considered.	1 1
	Due to the IT power system used, capacitors	EX TEX STEX STER	write write
	are required to be rated for the applicable line-	ne me	
LIFE ML	to-line voltage (230 V).	- At 1t 5th .	TEN MILE
5.5.6	Finland, Norway and Sweden	No such resistor used.	N/A
	To the end of the subclause the following is added:	ALTER WILLER WALTER WALT	ER MY LIER MY
	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.	LIER WALTER WALTER	MILL AMILIE
5.6.1	Denmark	Added.	N/A
	Add to the end of the subclause	211, 21, 2,	at at
	Due to many existing installations where the socket-outlets can be protected with fuses with higher rating than the rating of the socket-outlets the protection for pluggable equipment type A shall be an integral part of the equipment.	Whitek Whitek Whitek White	ic wait w
war d	Justification: In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.	TER WALTE WALL WILL	MUL MU
5.6.4.2.1	Ireland and United Kingdom	Added.	N/A
	After the indent for pluggable equipment type A , the following is added:	LIFE OLITE WILLIAM WALF	EK WILLER WA
	 the protective current rating is taken to be 13 A, this being the largest rating of fuse used in the mains plug. 	THE MILET WHILE	WALLER WALL
5.6.5.1	To the second paragraph the following is added:	et liet wifet wifet	N/A
	The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated current over 10 A and up to and including 13 A is:	MULTER MULTER MULTER MU	TEK MITEK
WELL	1,25 mm ² to 1,5 mm ² in cross-sectional area.	THE LIFE WITH WITH	The second
5.7.5	Denmark	We am and	N/A
	To the end of the subclause the following is added:	TEX WATER WATER WATER	WALL WALL
	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.	MULTER WHITER WALTER	NUTER WALTER



Reference	39			
JET WITE	MILL MILL MULL MILL	EN 62368	3-1 At At At	ALTER WILL
Clause	Requirement – Test	THE WITE	Result – Remark	Verdict

Clause	Requirement – Lest	Result – Remark	verdict
100	with with whit will all		TER THE WITE
5.7.6.1	Norway and Sweden	ality with the min	N/A
	To the end of the subclause the following is		L of set
	added:The screen of the television distribution	et let let let lie	TOTAL MENT
	system is normally not earthed at the entrance	in the the the	20, 2,
	of the building and there is normally no		at let .
	equipotential bonding system within the	- THE THE LIFE	WILL WALL WA
	building. Therefore the protective earthing of	are are an	2,
	the building installation needs to be isolated	4	Let Let St
	from the screen of a cable distribution system.lt	TEX LIE SLIFE OF	the men
	is however accepted to provide the insulation	We are any	
	external to the equipment by an adapter or an		at the set
	interconnection cable with galvanic isolator,	THE THE WITH WITH	The Mer
	which may be provided by a retailer, for	in the the	
	example. The user manual shall then have the	1 4 4 6	THE STATE
	following or similar information in Norwegian	The Still Will.	The the
	and Swedish language respectively, depending	20, 20, 20,	
	on in what country the equipment is intended to		TEN TEN
	be used in: "Apparatus connected to the	The Nith Will a	no one on
	protective earthing of the building installation	21/2 20 20	
	through the mains connection or through other	at at at .	THE THE LIFE
	apparatus with a connection to protective	alife while while who	11, 11,
	earthing – and to a television distribution	1, 1, 2,	1 1
	system using coaxial cable, may in some	THE SET SET	The William
	circumstances create a fire hazard. Connection	The party wall wall	21/2 21/2
	to a television distribution system therefore has		4 2
	to be provided through a device providing		alter all
	electrical isolation below a certain frequency		21, 20, 10
	range (galvanic isolator, see EN 60728-11)"		A 15 1
	NOTE In Norway, due to regulation for CATV-installations,		Lite out only
	and in Sweden, a galvanic isolator shall provide electrical insulation below 5 MHz. The insulation shall withstand a	west the the	
	dielectric strength of 1,5 Kv r.m.s., 50 Hz or 60 Hz, for 1		A 64 (6)
	min.Translation to Norwegian (the Swedish text	LET SET SET SE	
	will also be accepted in Norway):	in the the	7,
	"Apparatersomerkoplettilbeskyttelsesjord via		- 26 26
	nettpluggog/eller via annetjordtilkopletutstyr –	the the life with	with with a
	ogertilkoplet et koaksialbasertkabel-TV nett.	The The The	3
	kanforårsakebrannfare. For å	1 1 1	Let Start S
	unngådetteskaldetvedtilkoplingavapparatertilka	THE STEE WITE	ne me m
	bel-TV nettinstalleres en galvanisk isolator	The Mr. 20.	
	mellomapparatetogkabel-TV nettet."Translation	a st st	All Ser St
	toSwedish:"Apparatersomärkopplad till	THE STATE WITH M	r m m
	skyddsjord via jordatvägguttagoch/eller via	16 20 22 2	, L .t
	annanutrustningochsamtidigtärkopplad till	at at at a	The state of the s
	kabel-TV nätkan i isa fall medfőra risk főr	TE OLIV MILL WALL	The Mi
	brand. Főrattundvikadettaskall vid	20, 70, 7	4 4
	anslutningavapparaten till kabel-TV	L St St St	The Street
	nätgalvanisk isolator	CITY WILL WAL	21/2 21
	finnasmellanapparatenochkabel-TV nätet.".	20, 20,	a st



EN 62368-1					
Clause	Requirement – Test	Result – Remark	Verdict		
5.7.6.2	Denmark	et alter liter while while	N/A		

Clause	Requirement – Test	Result – Remark	Verdict
	with this way we are	a state of the	The Str
5.7.6.2	Denmark To the end of the subclause the following is added: The warning (marking safeguard) for high touch current is required if the touch current or the protective current exceed the limits of 3,5 Ma.	EX MULTEX MULTEX MULTER WAS	N/A
B.3.1 and	Ireland and United Kingdom	20, 10, 20, 2	N/A
B.4 In the same of	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	JUNITER WHITER W	ountil valified out the state of the state o
G.4.2	Denmark	ing any any	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. CLASS I EQUIPMENT provided with socket-outlets with earth contacts or which are intended to be used in locations where protection against indirect contact is required according to the wiring rules shall be provided with a plug in accordance with standard sheet DK 2-1a or DK 2-5a. If a single-phase equipment having a RATED CURRENT exceeding 13 A or if a poly-phase equipment is provided with a supply cord with a plug, this plug shall be in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN 60309-2. Mains socket outlets intended for providing power to Class II apparatus with a rated current of 2,5 A shall be in accordance DS 60884-2-D1:2011 standard sheet DKA 1-4a. Other current rating socket outlets shall be in	LEE WILLER WILL WILLER WILLER WILLER WILLER WILLER WILLER WILLER WILLER WILLER	UNLIF WHITE WAS THE WANTER WHITE WHI
	compliance with Standard Sheet DKA 1-3a or DKA 1-1c. Mains socket-outlets with earth shall be in compliance with DS 60884-2-D1:2011 Standard Sheet DK 1-3a, DK 1-1c, DK1-1d, DK 1-5a or DK 1-7a Justification: Heavy Current Regulations, Section 6c	AMPLIER WHITER WHITER WHI	LIEK WILLEK WAL



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

	with the say of the say	er ter te
G.4.2	United Kingdom To the end of the subclause the following is added:	N/A
STER MUSICE	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.	MALIER WALLER MALIER WAS
G.7.1	United Kingdom	N/A
	To the first paragraph the following is added:	Murry Murry May
	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.	NLIER WILER WE TER WILER WILER WILER WILER WILER WILER WILER
G.7.1	Ireland	N/A
	To the first paragraph the following is added:	AN THE LIER OF
t whitek whitek whitek whitek	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	ex united white white white white
G.7.2	Ireland and United Kingdom	N/A
	To the first paragraph the following is added:	at at at a
	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.	the military of the

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

10.5.2	Germany	Not such equipment.	N/A
	The following requirement applies:		20 20
	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	nt whitek
	Justification: German ministerial decree against ionizing radiation (Röntgenverordnung), in force since 2002-07-01, implementing the European Directive 96/29/EURATOM.	White white while whitek	on the surviv
	NOTE Contact address: Physikalisch-TechnischeBundesanstalt, Bundesallee 100, D-38116 Braunschweig, Tel.: Int +49-531-592-6320, Internet: http://www.ptb.de	TEX SIFE WHITE WHITE OF	Whis was a



4.1.2	TABLE: List of critical components						
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity1		
Plastic enclosure	CHI MEI CORPORATION	PA-765(+)	Min.1.0mm,V- 1,60°C	UL 94	UL E56070		
PCB	Interchangeable	Interchangeable	V-0,130°C	UL 796	UL E314500		
AC adapter	Adapter Technology Co.,Ltd	ATS036T-W120V	Input:100-240V, 50-60Hz,1A Max;Output: 12VDC3A	IEC 62368-1: 2014 and EN 62368-1:2014+ A11	Certificate No.: DK- 105165-UL and Certificate No.: S 50399284		

4.8.4, 4.8.5	TAB	LE: Lithium coin/button cell	batteries mechanical tests	N/A
(The follow	wing me	chanical tests are conducted in	the sequence noted.)	IN STEP OUT
4.8.4.2	TAB	LE: Stress Relief test	it write white many man war	10 - 1.
Pa	art	Material	Oven Temperature (°C)	Comments
2	·		The Mr. Mr. Mr.	
4.8.4.3	TAB	LE: Battery replacement test	at the set of street	rite of the
Battery pa	art no			4 7
Battery In	stallatio	n/withdrawal	Battery Installation/Removal Cycle	Comments
t set	TEK.	LITER RELIEF WILLES AND	1 1	- 18 - 18
			the contraction of the contracti	mr -mr
			3	Let - Let
			and 4 miles	10 10
			5	THE STATE OF
			The way of the sure of	1/1, - 2,
			8 /	et sitet si
			12 M 19 M 10	1, -2
			10 10	NITER TOTAL
1.8.4.4	TABL	E: Drop test	Murit Mur Mur Mur Mur	at Tat
mpact Are	ea	Drop Distance	Drop No.	Observations
SER ST	of rife antie antie and		1 1	CEY LITER IS
10	- "	et tet "utet ut	of the mark of the same and	70, 70,
NALTE	MULLE	AVE AND THE	at at 18th 18th with	WHITE WHIT
4.8.4.5	TABL	E: Impact	The me in me in	4 - 1



Impacts per surface	Surface tested	Impact energy (Nm)	Comments	
	et tet out attern	With the the the		
4.8.4.6 TABLE:	Crush test	A THE THE STEE OUT	Marie John V	
Test position	Surface tested	Crushing Force (N)	Duration force applied (s)	
- I	At Jet Jet Jet	MULL MULL MULL MILL	20 2	
Supplementary inform	nation:	A A AR ARE	SLIFE MLTE SINCE	

4.8.5	TABLE: Lithium coin/button cell batteries mechanical test result						
Test position		Surface tested	Force (N)	Duration force applied (s)			
		A AT AT SUR	intile antile anti-	4 - 4 - 4			

5.2	COST TA	TABLE: Classification of electrical energy sources							
5.2.2	2.2 – Stead	dy State Voltage and	Current conditions	LITER WALTER WA	TIL MULL	me m			
	Et WILL	Nacotion (o. a.	ive me a	arameters	ALTER OLI	EL NITER N			
No.	No. Supply Voltage	Location (e.g. circuit designation)		U (Vrms or Vpk)	I (Apk or Arms)	Hz	ES Class		
LEY .	LIER		Normal	12.0Vrms		DC	LIEK SLIE		
1	1 12V	DC input	Abnormal	ALTE TALTE	Wry - Aug	14- 1	ES1		
101 *		Single fault – D1 sc		0Vrms	JEK WILLEK	DC	TEX WALTER		

5.2.2	2.3 - Capacita	ance Limits	A 18 5	er outer on	LTE WALL	and an	10.	
164	Supply	Location (e.g.		4. 2.	Parameters			
No. Voltage		circuit Test conditions designation)		Capacitance, nF		Upk (V)	ES Class	
	NITE WALL	mur mur	Normal	et -et	SEP S	SER- OLIFER	rite and	
-	LET THE	LIET -LIET	Abnormal	her wher	21/2 12/2	L st	J. 104	
	MULL	10 m	Single fault s-c	Et STEE	NITE" WITE	Water Wil	ans.	
5.2.2	2.4 - Single F	Pulses	The Mar M.	74, 7	* *	at A	JEE	
a.	Location (e.g.		et the site	Parameters			14. 1	
No.	No. Supply Voltage	pply	Test conditions	Duration (ms)	Upk (V)	lpk (mA)	ES Class	
۴	JEK JE	LITER WITE	Normal	1/12 - 711		£ 75+	CENT TEN	
-51	100	20 -20	Abnormal	JEK JEK	WILL WILL	mr. m	2012	



	LIEK WALT	ex whiley mulies	Single fault – SC/OC	it at	TEN STE	t nitet m	TEX WITE	
5.2.2	2.5 - Repetit	ive Pulses	LIEK SLIER W	in min	me m	2, 2,	t	
نامار.	C. will be	ply Location (e.g. circuit designation) Location (e.g. Test conditions		, et	Parameters	CLIEN WIT	anite a	
No. Sup Volta	Supply Voltage		Test conditions	Off time (ms)	Upk (V)	lpk (mA)	ES Class	
(HEA)		at at a	Normal	write mr	Mr. M	. 7,		
	INLIER WAL	ic muci " mur.	Abnormal	J+ JH	ال. الم حا ل. ا	Et Notes	LIEN JALIN	
	TEK TEK	S	Single fault – SC/OC	in inc	M. M.	- <u>, </u>		

Test Conditions:

Normal -

Abnormal -

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

5.4.1.4, 6.3.2, 9.0, B.2.6	TABLE: Temperature measurements							
Stept .	Supply voltage (V)	12VDC		- 26	A A+		L State	
111 11,	Ambient T _{min} (°C)	OLITE	METER	W.C.	MIC	m	'an	
RLIER WALL	Ambient T _{max} (°C)	See below					WITE OF	
Maximum measured temperature T of part/at:			T (°C)					
PCB near IC1A			68.1	-100	- m	011	1/2	130
PCB near U1		51.4	76.6	7	£ 16	ال ال	* - <u>.</u> í	130
PCB near l	J2 At At Marie	47.9	73.1	211	100	10,		130
Plastic enc	losure inside	39.5	64.7	Z.	- 17 EK	N. C. F. E.	ماينان	ref
Ambient	the test state with	24.8	50.0	m	,	2, -	7	ref
Accessible	part	ZEX-	TEX.	JEK 1	LITER AL	VILLE W	NITE .	mer m
Plastic enclosure outside		33.1	33.3	- 20				J- 77 K
Adapter su	rface	37.5	37.7	1000	" <u>- 1</u> 000	200	, -a	77
Ambient	THE TITE OUT WILL WITH	24.8	25.0			0	,	ref

Supplementary information:

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

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

Temperature T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	R ₂ (Ω)	T (°C)	Allowed T _{max} (°C)	Insulation class
st let let life si	W. W.	with.	me - m	-70,		,c	et et
Supplementary information:		24	LEF LE	4 55	CITE .	Will Mil	The .

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



5.4.1.10.2	TABLE: Vicat softening temperature of thermoplastics			
Penetration	(mm)	The Marie Will a	Nr. 24. 24. 25.	
Object/ Pa	t No./Material	Manufacturer/t rademark	T softening (°C)	
-36th 25	ex ulter anite mail an	n	the text of the street of	
supplemen	tary information:	ex rex with anith wait	They are any any	

5.4.1.10.3 TABLE: Ball pressure test of thermoplastics					
Allowed im	pression diam	neter (mm)	≤ 2 mm	et auter mile maile.	
Object/Part	No./Material	Manufacturer/trademark	Test temperature (°C)	Impression diameter (mm)	
The sale	, mr.	n n - n	of the the tier	NITE MIT WALL W	

5.4.2.2, 5.4.2.4 and 5.4.3	TABLE: Minimum Clearances/Creepage distance							N/A
	(cl) and creepage cr) 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)
-ci Mr		A		<30	4	>0.5	National Control	>0.5
5.4.2.3	basic insulation; SI:	, View	A 4		15° 15°	- (0)	-0, -1,	N/A
J.7.Z.J	Overvoltage Cate			ances using	J required w	ritiistailu	voltage	II
Pollution Degree		WALTER OF	mere m	2, 44,	- 10° - 1	74 764 91. 24.	2	
Clearance distanced between:		R	Required withstand voltage		Required cl (mm)		Measured cl (mm)	
See table 5.4.3 abov	5.4.2.2, 5.4.2.4 and re.	E.F.	alt si	TEX INTEX	WY TEK	TEK WALT	WILLE -	West Mr.

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.

Dogwiya dal			
Required cl (mm)	Test voltage (Kv) peak/ r.m.s. / d.c.	Breakdown Yes / No	
et - let	JEK STELL MITE WILL	Will All M	
	(mm) 		



5.4.4.2, 5.4.4.5 c) 5.4.4.9	TABLE:	Distance through ins	ulation measu	rements		N/A
Distance the insulation di		Peak voltage (V)	Frequency (Hz)	Material	Required DTI (mm)	DTI (mm)
-36t J	A SUITE	onlife while while	Mr 22		* 7 1	
Supplement *: See appe	100	ation: 4.1.2 for details.	WALTER WALTE	white whi	t and and	Tet Tet

5.4.9	TABLE: Electric strength	h tests			
Test voltage applied between:		Voltage shape (AC, DC)	Test voltage (V)	Breakdown Yes / No	
Function	al:	ct the state in	TE WILL WALL W	ve me	
76t 3	ill nite mile while	Mr. M. Th.		et set .	
Basic/sup	oplementary:	ret stet nite intil	Mill Mer Me	24. 24.	
ik zire	CLIEF WHITE WHILL WE		et tet set	NITE OF	
- 10,	1 1 1 1 1 1	et itet mite mit.	me me me	1, -2,	
Reinforce	ed: The man was and	M et	TEK TEK TEK	NITER INTER	
7,		The said with the said of	- m - m -		
RITE OF	T. 10, 10, 1	M - 4	SE STEEL OF	The Wille	
Routine 7	Tests:	the man in		+	
ST ST	are the same	- 1	10 17 17	10 - 10 m	

5.5.2.2	TABLE: Stored discharge on capacitors						
Supply Voltage Test Location				Measured Voltage (after 2 seconds)	ES Classification		
et zet	- Clerk	CLIFE MIT	" NULL WAL	1/2 /	, J	at the st	
X-capacito X-capacito Bleedin □ ICX: Notes: A. Test Lo	ors installe g resistor	d for testing a	are:				
	ting condit	ion abbreviati			ntral to Earth n fuse); S –Single fault	condition	
N – Norma	al operatin	ig condition (e	e.g., normal oper	alion, or ope	in ruse), s —single lault	CONDITION	



Accessible part	Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)
- + + + +	et get - get	Will Born a	12 24 24	
Supplementary information:	211. 211.	1 10	LEK LIEK LIE	THE WALTER W

5.7.2.2, 5.7.4	TABLE: Earthed accessible conductive part		
Supply vo	ltage	-the set set state with	MILLE WALLE
Location		Test conditions specified in 6.1 of IEC 60990 or Fault Condition No in IEC 60990 clause 6.2.2.1 through 6.2.2.8, except for 6.2.2.7	Touch current (mA)
Will all	The Man and and	- LET THE TATES OF THE ST	N/A
	St TEX TEX STEEL WITHER MUST	2*	N/A
	mer mer in in	The other 3 th mile and	N/A
	TEX LIEX RUTEX INLIER MILITY	4	N/A
	me me me me	of the set of the set of	N/A
	THE STEEL WITE MILIE MALLE WE	6	N/A
	The state of	CITIE WILL 8 NOT WILL O	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: Electrical power sources (PS) measurements for classification					
Source	Description	Measurement	Max Power after 3 s	Max Power after 5 s*)	PS Classification	
Input port		Power (W) :		A 74 14	LITER COLLIER	
and all Normal operation circuit	V _A (V) :	er with " with w	mr. mr.	PS2		
	I _A (A) :		ct 18th 18th	(definition)		

Supplementary Information:

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

6.2.3.1 Table: Determination of Potential Ignition Sources (Arcing PIS)	N/A	
---	-----	--



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
71, 72, 7	A A A	TEK WITE WA	in in - m	24 25 3

Supplementary information:

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

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

6.2.3.2	Table: Dete	ermination of Po	tential Ignition S	Sources (Resis	stive PIS)	N/A
Circuit L	ocation (x-y)	Operating Condition (Normal / Describe Single Fault)	Measured wattage or VA During first 30 s (W / VA)	Measured wattage or VA After 30 s (W / VA)	Protective Circuit, Regulator, or PTC Operated? Yes / No (Comment)	Resistive PIS? Yes/No
/+	TEX SEX	LTEE OLITER	Marie Albert	a_{ν} , a_{ν}	7 7	- A 18

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	er inite anite	N/A
Description	n mile while while when	Values	Energy Source Classification
Lamp type	······································	"WILL WILL MY	nu nu -n
Manufactu	ırer:	at at a	H THE STEEL WITE MUTE
Cat no		are and an	4 4 7
Pressure ((cold) (MPa):	et let set	MS_
Pressure ((operating) (MPa):	in any any	MS_
Operating	time (minutes):	A THE THE	LIE MITE WALL MAIL WALL
Explosion	method:	mer me m	
Max partic	cle length escaping enclosure (mm):	TER STER IN	MS_
Max partic	cle length beyond 1 m (mm):	14. 24. 24.	MS_
Overall res	sult:	TER STEE WIFE	write with my way



Supplementary information:

B.2.5	TABLE: Inpu	ıt test	21/2		y et	JEK J	EF STEE STP
U (V)	I (A)	I rated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition/status
12.0	0.334	3	4.008	EX TIE	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	24/12	Normal working

Supplementary information:

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

B.3	TABLE: Abn	ormal operation	ng condition	n tests	,				2	Р
Ambient tem	perature (°C)	in the c	2,	+ ,	EK.	77	t The	CLIER	T.E.	_
Power source	e for EUT: Ma	anufacturer, mo	odel/type, o	utput rat	ting:		in a	2) 7	٠.	_
Component No.	Abnormal Condition	Supply voltage (V)	Test time	Fuse no.	Fuse curre (A)		T-couple	Temp. (°C)	0	bservation
- 2/L 2	# .e+	TEK STEK	LIEF N	Note L	N-LITER	u	rie mur	anti-	The s	2412

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	ult condition	tests					. J	Р
Ambient tem	perature (°C	;): <u></u>	Et OLIEN	WILLIAM.	MULTI	25.0	. 30	27	
Power sourc	e for EUT: N	/lanufacturer	, model/type	e, output i	rating:	75 th 5	er lier	NITE	un iie u
Component No.	Abnormal Condition	Supply voltage, (V)	Test time	Fuse no.	Fuse current (A)	T- couple	Temp. (°C)	OI	oservation
U1 pin 21- 38	SC	12.0V	10min.	- WALTER	Whitek Whitek	ortifet o	Step Mute	0.0 shu dar	ut current: 1A; Unit utdown, no nage,no zard.
Mites D1 Mites	SC	12.0V	10min.	one on		i i i vani i e	-White w	0.0 shu dar	ut current: 1A; Unit itdown, no nage,no zard.

Reference No.: WTX22X08156839S



N/A

Supplementary information:

M.3

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.

TABLE: Protection circuits for batteries provided within the equipment

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.

				1000								100
Is it possible t	to install the	battery in a rev	verse	e polarity p	osition?	.,.:	. 4	÷ .<	<u></u>	TER.	Ú	_
					С	harg	ing					
Equipment S	pecification		Vo	Itage (V)			Current (A)					
		Let Let		IEL WILL	Me	w		an.	n,		Y.	, L
					Battery	spe	cificat	ion				
		Non-recharge	able	batteries			Rec	hargeab	le ba	atteries		
		Discharging		ntentional	(Char	ging			charging		Reverse
Manufactu	curren Manufacturer/type		charging current (A)		Voltage (V) Currer		rent (A)		rrent (A)		charging urrent (A)	
- m - m			current (A)					- Mrs.	J.	in m		771.
Note: The tes	ts of M.3.2 a	re applicable o	nly w	vhen above	e appropri	ate c	lata is	not ava	ilab	le.		
Specified batt	tery tempera	ture (°C)				٠		ur.	u_{r}	24		
Component No.	Fault condition	Charge/ discharge mo	ode	Test time	Temp. (°C)		rrent A)	Voltag (V)	е	Obse	erva	tion
Et JET			2	115			- "	-	بي	, Et		et Je
	SC= short o	circuit; OC= op					_	e; NS= ı	no s	pillage of	liqu	uid; NE=
no explosion:	NF= no emi	ission of flame	or e	xpulsion o	t molten r	netal	- CV					

M.4.2	TABLE: battery	TABLE: Charging safeguards for equipment containing a secondary lithiun battery								
Maximum	specified o	harging voltag	e (V)		et le	t TEX STEEL	_			
Maximum	specified o	charging currer	nt (A)		15 - m	21/2 21/2	_			
Highest sp	ecified cha	arging tempera	ture (°C)		,;) (;)	NITER INITERINIT				
Lowest spe	ecified cha	rging tempera	ture (°C)		: = <u>-</u> -u	10 T				
Battery		Operating		Measurement		Observation	n			
manufactur	er/type	and fault condition	Charging voltage (V)	Charging current (A)	Temp. (°C)					
-	.+	15 18	- NIE . 10	, <u>, , , , , , , , , , , , , , , , , , </u>	me -me	21, 22				

Supplementary information:

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



Annex Q.1	TABLE: Circuits i	ntended for interconnection with building wiring (LPS)						
Output	Output Components Circuit	U _{oc} (V)	Isc	(A)	S (VA)			
Circuit			Meas.	Limit	Meas.	Limit		
	- 1t 1t	Clerk Clerk	Write Wer	24 24	- ·	74		

Supplementary Information:

SC=Short circuit, OC=Open circuit

T.2, T.3, TABLE: T.4, T.5	Steady force te	st The mili	EX WITEX			Murr Mub
Part/Location	Material	Thickness (mm)	Probe	Force (N)	Test Duration (s)	Observation
Enclosure top (T.5)	Plastic	2.5	rite <mark>t.</mark> Writ Iek ritek	250	5	Enclosure remained intact, no crack/opening developed.
Enclosure side (T.5)	Plastic	2.5	k Milliek	250	TEK 5 MITE	Enclosure remained intact, no crack/opening developed
Enclosure bottom (T.5)	Plastic	2.5	STER OUT	250	ms m	Enclosure remained intact, no crack/opening developed.

T.6, T.9 TA	ABLE: Impact tes	sts		At 18th 18th 18th 18th
Part/Locatio n	Material	Thickness (mm)	Height (mm)	Observation
Enclosure top	Plastic	2.5	1300	Enclosure remained intact, no crack/opening developed

T.7	TABLE: Drop tes	ts 💢 🥒		WILL WILL MUT MUT MUT	N/A
Part/Location	Material	Thickness (mm)	Drop Height (mm)	Observation	MITER
et - et	TEK LIER	OLIE WALL	n - 70 10	. L x - 15	Zet .
, the	i_{n} , i_{n}	·	THE THE ST	Et WILL MULL MUT MU	A. 24.
+ -#	THE THE	the mer m	11, 2	1 - A- A	et K

Reference No.: WTX22X08156839S



T.8 T.	ABLE: Stress reli	ef test			A P	
Part/Location	Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observation	
Enclosure	Plastic	2.5	74.4	7	Enclosure remained intact	

X T	TABLE: Alternative method for determining minimum clearances distances					
Clearance distanced between:		Peak of working voltage (V)	Required cl (mm)	Measured cl (mm)		
-JEE STE	WILL MULT	me me	1 # A	Let Let	. Cite	

W

Photo Documentation

Model: RDR001



Photo 1



Photo 2

W

Photo Documentation

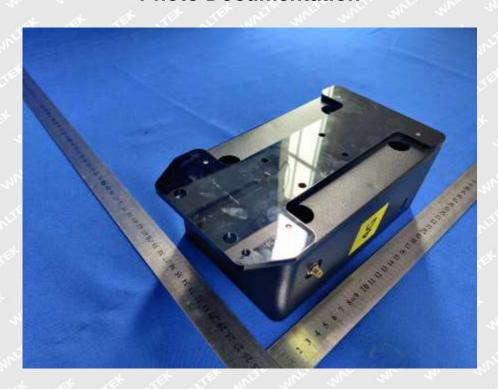


Photo 3



Photo 4

Photo Documentation



Photo 5

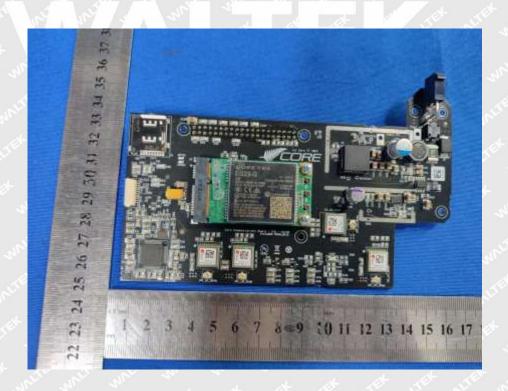


Photo 6

Reference No.: WTX22X08156839S

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Photo Documentation

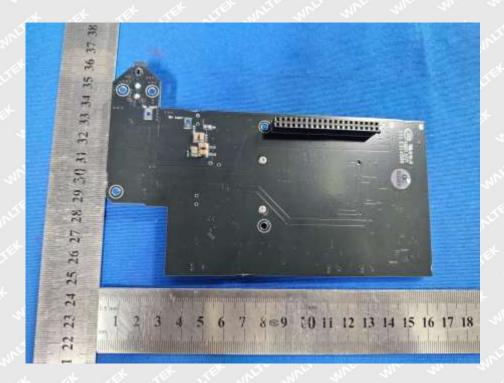


Photo 7



Photo 8

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