



# CE-LVD TEST REPORT

# Prepared for:

Shenzhen Elegoo Technology Co.,Ltd

101,N0.30,Dahe Industrial Zone,Guancheng Community,Guanhu Street,Longhua

District,Shenzhen

**Product: UV Photocuring 3D Printer** 

Trade Name: ELEGOO

Model Name: MARS 3, MARS 3 V1.2, MARS 3 PRO.

Date of Test: Jul. 05, 2021 to Jul. 15, 2021

Date of Report: Jul. 15, 2021
Report Number: CstarVG15C01L

# Prepared By:

Shenzhen C-star Test Co., Ltd.

Room 208, 2/F, Building A3, No.416, Xuegang North Road, Qinghu
Community, Longhua Subdistrict, Longhua District, Shenzhen,
Guangdong, China



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# TEST REPORT IEC 62368-1

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

Report Number....: CstarVG15C01L

Total number of pages.....: 64

Applicant's name.....: Shenzhen Elegoo Technology Co.,Ltd

Address.....: 101,N0.30,Dahe Industrial Zone,Guancheng Community,Guanhu

Street, Longhua District, Shenzhen

**Test specification:** 

Standard ...... EN 62368-1:2014+A11:2017

Test procedure....: CE-LVD

Non-standard test method .....: N/A

Test Report Form No.....: IEC62368\_1B

Test Report Form(s) Originator ....: UL(US)

Master TRF...... 2014-03

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### General disclaimer:

The test results presented in this report relate only to the object tested.

Test Item description	UV Photocuring 3D Printer
Trade Mark	ELEGOO
Manufacturer	Shenzhen Elegoo Technology Co.,Ltd
Manufacturer address	101,N0.30,Dahe Industrial Zone,Guancheng Community,Guanhu Street,Longhua District,Shenzhen
Model/Type reference	MARS 3, MARS 3 V1.2, MARS 3 PRO.
Ratings	Input:100-240V~, 50/60Hz, Output: DC24V, 3A



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Testing procedure and testing location:	
☐ Testing Laboratory:	Shenzhen C-star Test Co., Ltd.
Testing location/ address::	Room 208, 2/F, Building A3, No.416, Xuegang North Road, Qinghu Community, Longhua Subdistrict, Longhua District, Shenzhen, Guangdong, China
☐ Associated Testing Laboratory:	
Testing location/ address:	
Tested by (name + signature):	Jesse Fu C-Star Tess C APPROVED
Approved by (name + signature):	Jason Zhang
☐ Testing procedure: TMP/CTF Stage 1:	
Testing location/ address:	
Tested by (name + signature):	
Approved by (name + signature):	
☐ Testing procedure: WMT/CTF Stage 2:	
Testing location/ address::	
Tested by (name + signature):	
Witnessed by (name + signature):	
Approved by (name + signature):	
Testing procedure: SMT/CTF Stage 3 or 4:	
Testing location/ address:	
Tested by (name + signature):	
Witnessed by (name + signature):	
Approved by (name + signature):	
Supervised by (name + signature):	



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# List of Attachments (including a total number of pages in each attachment): -Appendix 1: For requirements of European group differences. (9 pages) -Appendix 2: Photo attachments. (4 pages) Summary of testing: Tests performed (name of test and test clause): All clauses. All clauses. Shenzhen C-star Test Co., Ltd. Room 208, 2/F, Building A3, No.416, Xuegang North Road, Qinghu Community, Longhua Subdistrict, Longhua District, Shenzhen, Guangdong, China Summary of compliance with National Differences: European group differences.



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# Copy of marking plate:

The artwork below may be only a draft.

# **ELEGCO**

WWW.ELEGOO.COM 深圳市智能派科技有限公司

Model No (型号): MARS 3

Machine size (尺寸):227X227X438.5MM

Input rating (电源输入):100-240V 50/60Hz

Net weight (净重):5.2kg

ℬ℻ℂℂ€ ⅀⇔

Made in china



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TEST ITEM PARTICULARS:	
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%
0	
Supply Connection – Type:	<ul><li>☑ pluggable equipment type A -</li><li>☐ non-detachable supply cord</li></ul>
	☐ non-detachable supply cord ☐ appliance coupler
	direct plug-in
	☐ mating connector
	☐ pluggable equipment type B -
	non-detachable supply cord
	appliance coupler
e le le le le le le	<ul><li>□ permanent connection</li><li>□ mating connector  other:</li></ul>
Considered current rating of protective device as part	
Considered current rating of protective device as part of building or equipment installation	A;
Equipment mobility	
=qap (entinegat)	movable for building-in direct plug-
	in rack-mounting wall-mounted
Over voltage category (OVC)	
	OVC IV other:
Class of equipment	☐ Class I
Access location:	restricted access location N/A
Pollution degree (PD)	☐ PD 1
Manufacturer's specified maxium operating ambient :	<u>25</u> °C
IP protection class	☑ IPX0 ☐ IP
Power Systems ::	☑ TN ☐ TT ☐ ITV L-L
Altitude during operation (m)	☑ 2000 m or less ☐m
Altitude of test laboratory (m)	⊠ 2000 m or less
Mass of equipment(kg)	
	00000000000000000000000000000000000000



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POSSIBLE TEST CASE VERDICTS:	
- 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)
GENERAL REMARKS:	
"(See Enclosure #)" refers to additional informatio "(See appended table)" refers to a table appended  Throughout this report a ☐ comma / ☒ point is us  The related applicable OSM decisions have been cons	to the report. ed as the decimal separator.
Determination of the test result includes consideration and methods.	of measurement uncertainty from the test equipment
Manufacturer's Declaration per sub-clause 4.2.5 of	IECEE 02:
The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided	☐ Yes ☐ Not applicable ************************************
When differences exist; they shall be identified in	the General product information section.
Name and address of factory (ies):	Same as manufacturer
GENERAL PRODUCT INFORMATION:	
Product Description –  1. The product is UV Photocuring 3D Printer, electroni is plastic material of min. V-1 grade.  2. Maximum recommended ambient (Tmra): 25°C	c components mounted on PCB, external enclosure
Model Differences –	
Additional application considerations – (Consideration)	ations used to test a component or sub-assembly) –



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### **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: +230 V ~ input ES1

Source of electrical energy	Corresponding classification (ES)			
All source	ES1 / / / / /			

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

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

Example: Battery pack (maximum 85 watts): PS2

Source of power or PIS	Corresponding classification (PS)		
Input terminal	PS1		
Output terminal	PS1		

## Injury caused by hazardous substances (Clause 7)

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

part of the component evaluation.)

Example: Liquid in filled component Glycol

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 unit MS2

Source of kinetic/mechanical energy	Corresponding classification (MS)					
Sharp edges and Comers	MS1					
Equipment mass (<7kg)	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 TS1

Source of thermal energy	Corresponding classification (TS)			
All source	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 RS1

Type of radiation	Corresponding classification (RS)		
LED COM	RS1 6 6 6		



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		DIAG	

Indicate which energy sources are included in the energy source diagram. Insert diagram below

 $\boxtimes$  ES

 $\boxtimes$  PS

 $\boxtimes$  MS

 $\boxtimes$  TS

 $\boxtimes$  RS



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OVERVIEW OF EMPLOYED SAFEO	GUARDS				
Clause	Possible Hazard			A D	
5.1	Electrically-caused injury	No.	Ve: Up s	V.	
Body Part	Energy Source	Safeguards			
(e.g. Ordinary)	(ES3: Primary Filter circuit)	Basic	Supplementary	Reinforced (Enclosure)	
Ordinary	ES1: All source	N/Å	N/A	N/A	
6.1	Electrically-caused fire			1	
Material part	Energy Source		Safeguards		
(e.g. Wireless Keyboard enclosure)	(PS2: 100 Watt circuit)	Basic	Supplementary	Reinforced	
Ordinary	PS1: Input terminal	N/A	N/A	N/A	
Ordinary	PS1: Output terminal	N/A	N/A	N/A	
7.1	Injury caused by hazardous substances				
Body Part	Energy Source		Safeguards		
(e.g., skilled)	(hazardous material)	Basic	Supplementary	Reinforced	
N/A	N/A N/A N/A		N/A	N/A	
8.1	Mechanically-caused injury		100 100 0	10	
Body Part	Energy Source	Safeguards			
(e.g. Ordinary)	(MS3:High Pressure Lamp)	Basic	Supplementary	Reinforced (Enclosure)	
Ordinary	MS1: sharp edges and cornerss	N/A	N/A	N/A	
Ordinary de	MS1: Equipment mass (<7kg)	⊮N/A w	√N/A ≪	√N/A ✓	
9.1	Thermal Burn				
Body Part	Energy Source		Safeguards		
(e.g., Ordinary)	(TS2)	Basic	Supplementary	Reinforced	
Ordinary	TS1: enclosure	N/A	N/A	N/A	
10.1	Radiation				
Body Part	Energy Source	Safeguards			
(e.g., Ordinary)	(Output from audio port)	Basic	Supplementary	Reinforced	
Ordinary	RS1: LED	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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www.c-star.vip	<i>№ № № № IEC</i> 62368-	1,2	le " le "
Clause	Requirement + Test	Result - Remark	Verdict

4	GENERAL REQUIREMENTS		, P ,
4.1.1	Acceptance of materials, components and subassemblies	Components which are certified to IEC and/or national standards are used correctly within their ratings. Components not covered by IEC standards are tested under the conditions present in the equipment.	P de
4.1.2	Use of components	See table 4.1.2	, Р
4.1.3	Equipment design and construction	No accessible part which could cause injury	Р
4.1.15	Markings and instructions	(See Annex F)	P
4.4.4	Safeguard robustness	See below	N/A
4.4.4.2	Steady force tests	(See Annex T.4, T.5)	N/A
4.4.4.3	Drop tests ::	(See Annex T.7)	N/A
4.4.4.4	Impact tests	(See Annex T.6)	N/A
4.4.4.5	Internal accessible safeguard enclosure and barrier tests	No internal enclosure.	N/A
4.4.4.6	Glass Impact tests:	No such glass used.	N/A
4.4.4.7	Thermoplastic material tests:	(See Annex T.8)	N/A
4.4.4.8	Air comprising a safeguard:	(See Annex T)	N/A
4.4.4.9	Accessibility and safeguard effectiveness	After test, all safeguard remains effective, No damaged	w N/A w
4.5	Explosion	No explosion	P
4.6	Fixing of conductors		N/A
4.6.1	Fix conductors not to defeat a safeguard		N/A
4.6.2	10 N force test applied to:		N/A
4.7	Equipment for direct insertion into mains socket - outlets		<i>ℯ</i> N/A ℯ
4.7.2	Mains plug part complies with the relevant standard		N/A
4.7.3	Torque (Nm):		N/A
4.8	Products containing coin/button cell batteries	it is unlikely that children will be present	N/A
4.8.2	Instructional safeguard		N/A
4.8.3	Battery Compartment Construction		N/A
ests (ests	Means to reduce the possibility of children removing the battery:		16°28 — 16°28



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	/ IEC 62368-1		
Clause	Requirement + Test	Result - Remark	Verdict
Ve <sup>20</sup>			UE TO THE PERSON OF THE PERSON
4.8.4	Battery Compartment Mechanical Tests:	(See Table 4.8.4)	N/A
4.8.5	Battery Accessibility		N/A
4.9	Likelihood of fire or shock due to entry of conductive object:	(See Annex P)	N/A

5	ELECTRICALLY-CAUSED INJURY		Р
5.2.1	Electrical energy source classifications:	(See appended table 5.2)	P
5.2.2	ES1, ES2 and ES3 limits	ES1	Р
5.2.2.2	Steady-state voltage and current:	240VDC MAX	P
5.2.2.3	Capacitance limits:		N/A
5.2.2.4	Single pulse limits:	No such single pulses with the EUT	N/A
5.2.2.5	Limits for repetitive pulses	No such repetitive pulses with the EUT	N/A
5.2.2.6	Ringing signals ::	No such ringing signals with the EUT	N/A
5.2.2.7	Audio signals		Р
5.3	Protection against electrical energy sources		м Р w
5.3.1	General Requirements for accessible parts to ordinary, instructed and skilled persons	See below.	P
5.3.2.1	Accessibility to electrical energy sources and safeguards	Only ES1 could be accessible to ordinary person.	Р
5.3.2.2	Contact requirements	to to to	Р 🐃
Berth	a) Test with test probe from Annex V:	The probe could not insert into the equipment as there is no ventilation on the product.	(g <sup>003</sup> P (g <sup>003</sup>
Wash I	b) Electric strength test potential (V):	The probe could not insert into the equipment as there is no ventilation on the product.	N/A
e <sup>ath</sup> (e <sup>ath</sup>	c) Air gap (mm):	The probe could not insert into the equipment as there is no ventilation on the product.	N/A
5.3.2.4	Terminals for connecting stripped wire	No such terminals intended to be used by ordinary person.	N/A
5.4	Insulation materials and requirements		₩ P
5.4.1.2	Properties of insulating material	The choice and application have taken into account as specified in this Clause 5 and Annex T except natural rubber, hygroscopic materials or asbestos are not used as insulation.	P



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Clause	Requirement + Test	Result - Remark	Verdict
- Clause	Troquiromont - Toot	Neodic Nemark	Vordiot
5.4.1.3	Humidity conditioning:	(See sub-clause 5.4.8)	N/A
5.4.1.4	Maximum operating temperature for insulating materials	(See appended table 5.4.1.4)	N/A
5.4.1.5	Pollution degree	Pollution degree 2	- 20
5.4.1.5.2	Test for pollution degree 1 environment and for an insulating compound	Pollution degree 2	N/A
5.4.1.5.3	Thermal cycling	Pollution degree 2	₩ N/A
5.4.1.6	Insulation in transformers with varying dimensions		N/A
5.4.1.7	Insulation in circuits generating starting pulses	10, 10, 10, 10,	N/A
5.4.1.8	Determination of working voltage		N/A
5.4.1.9	Insulating surfaces	Considered.	N/A
5.4.1.10	Thermoplastic parts on which conductive metallic parts are directly mounted	See below	N/A
5.4.1.10.2	Vicat softening temperature:	(See appended table 5.4.1.10.2)	N/A
5.4.1.10.3	Ball pressure:	(See appended table 5.4.1.10.3)	N/A
5.4.2	Clearances		N/A
5.4.2.2	Determining clearance using peak working voltage	(See appended table 5.4.2.2)	✓ N/A ✓
5.4.2.3	Determining clearance using required withstand voltage	(See appended table 5.4.2.3)	N/A
	a) a.c. mains transient voltage:		
ue <sup>nte</sup> ue <sup>nte</sup>	b) d.c. mains transient voltage:	2 16 <sup>-15</sup> 16 <sup>-15</sup> 16 <sup>-15</sup>	16° 16°
	c) external circuit transient voltage:		10000000000000000000000000000000000000
(6 <sup>25</sup>	d) transient voltage determined by measurement		16***
5.4.2.4	Determining the adequacy of a clearance using an electric strength test	(See appended table 5.4.2.4)	N/A
5.4.2.5	Multiplication factors for clearances and test voltages:		N/A
5.4.3	Creepage distances:	(See appended table 5.4.3)	N/A
5.4.3.1	General (**)	16 <sup>25</sup> 16 <sup>25</sup> 16 <sup>25</sup> 16 <sup>25</sup>	N/A
5.4.3.3	Material Group:	IIIb	
5.4.4	Solid insulation		₩ N/A
5.4.4.2	Minimum distance through insulation:	(See appended table 5.4.4.2)	N/A
5.4.4.3	Insulation compound forming solid insulation		N/A
5.4.4.4	Solid insulation in semiconductor devices		N/A
5.4.4.5	Cemented joints	W W W	N/A



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Clause	Requirement + Test	Result - Remark	Verdict
16 <sup>0.28</sup>			06
5.4.4.6	Thin sheet material		N/A
5.4.4.6.1	General requirements		N/A
5.4.4.6.2	Separable thin sheet material		N/A
(GE 2.3)	Number of layers (pcs):		N/A
5.4.4.6.3	Non-separable thin sheet material		N/A
5.4.4.6.4	Standard test procedure for non-separable thin sheet material	(See appended Table 5.4.9)	√ N/A √
5.4.4.6.5	Mandrel test		N/A
5.4.4.7	Solid insulation in wound components		N/A
5.4.4.9	Solid insulation at frequencies >30 kHz:		N/A
5.4.5	Antenna terminal insulation		N/A
5.4.5.1	General		N/A
5.4.5.2	Voltage surge test		N/A
	Insulation resistance (MΩ):		UE DE
5.4.6	Insulation of internal wire as part of supplementary safeguard:	(See appended table 5.4.4.2)	N/A
5.4.7	Tests for semiconductor components and for cemented joints	(6, 16, 16, 16)	N/A
5.4.8	Humidity conditioning		N/A
	Relative humidity (%):		
UE" UE"	Temperature (°C):		Desire
	Duration (h)		
5.4.9	Electric strength test:	(See appended table 5.4.9)	N/A
5.4.9.1	Test procedure for a solid insulation type test		N/A
5.4.9.2	Test procedure for routine tests	E E E	N/A
5.4.10	Protection against transient voltages between external circuit		N/A
5.4.10.1	Parts and circuits separated from external circuits	(See appended table 5.4.9)	N/A
5.4.10.2	Test methods description of the second secon		N/A
5.4.10.2.1	General		N/A
5.4.10.2.2	Impulse test:	(See appended table 5.4.9)	N/A
5.4.10.2.3	Steady-state test	(See appended table 5.4.9)	N/A
5.4.11	Insulation between external circuits and earthed circuitry	(See appended table 5.4.9)	N/A
5.4.11.1	Exceptions to separation between external circuits and earth		N/A



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Clause	Requirement + Test	Result - Remark	Verdict
06			UE TO THE TOTAL PROPERTY OF THE PARTY OF THE
5.4.11.2	Requirements		N/A
DE DE	Rated operating voltage U <sub>op</sub> (V):		(682)
	Nominal voltage U <sub>peak</sub> (V):		
16 <sup>max</sup>	Max increase due to variation U <sub>sp</sub> :	1625 1625 1625 1625	16
	Max increase due to ageing $\Delta U_{sa}$ :		
e <sup>nt</sup> le <sup>nt</sup>	$U_{op} = U_{peak} + \Delta U_{sp} + \Delta U_{sa}$ :		16° 16°
5.5	Components as safeguards		
5.5.1	General de		√ N/A ✓
5.5.2	Capacitors and RC units		N/A
5.5.2.1	General requirement		N/A
5.5.2.2	Safeguards against capacitor discharge after disconnection of a connector:	(See appended table 5.5.2.2)	N/A
5.5.3	Transformers	(See Annex G.5.3)	N/A
5.5.4	Optocouplers // // // // // // // // // // // // //	(See sub-clause 5.4 or Annex G.12)	N/A
5.5.5	Relays	(See Annex G.2)	N/A
5.5.6	Resistors 🥒 🧳 🧳	(See Annex G.10)	<i>ℯ</i> " N/A ℯ
5.5.7	SPD's	(See Annex G.8)	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:	(See Annex G.10.3)	N/A
5.6	Protective conductor	16 16 16 16	N/A
5.6.2	Requirement for protective conductors		N/A
5.6.2.1	General requirements	(e, (e, (e, (e,	N/A
5.6.2.2	Colour of insulation		N/A
5.6.3	Requirement for protective earthing conductors	(6 (6 (6	N/A
	Protective earthing conductor size (mm²)		<u></u>
5.6.4	Requirement for protective bonding conductors	6 6 6 6	N/A
5.6.4.1	Protective bonding conductors	, , , , ,	N/A
0	Protective bonding conductor size (mm²)	(6 (6 (6	(e
	Protective current rating (A):	1 1 1 1 1	
5.6.4.3	Current limiting and overcurrent protective devices	10 10 10 10	N/A
5.6.5	Terminals for protective conductors	**************************************	N/A



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Clause	Requirement + Test	Result - Remark	Verdict
Ue <sup>ar</sup> U			UE <sup>22</sup>
5.6.5.1	Requirement		N/A
USTERN USTERN	Conductor size (mm²), nominal thread diameter (mm).		N/A      ✓
5.6.5.2	Corrosion	2 2 2 2 2	N/A
5.6.6	Resistance of the protective system	te te, te, te,	N/A
5.6.6.1	Requirements	, , , , , ,	N/A
5.6.6.2	Test Method Resistance (Ω)	(See appended table 5.6.6.2)	N/A
5.6.7	Reliable earthing		N/A
5.7	Prospective touch voltage, touch current and prote	ective conductor current	N/A
5.7.2	Measuring devices and networks	, , , , , ,	N/A
5.7.2.1	Measurement of touch current		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
UE UI	System of interconnected equipment (separate connections/single connection)	E E E	W.
(le <sup>stern</sup>	Multiple connections to mains (one connection at a time/simultaneous connections)		16 <sup>82,5</sup>
5.7.4	Earthed conductive accessible parts	(See appended Table 5.7.4)	N/A
5.7.5	Protective conductor current		N/A
ue" ue"	Supply Voltage (V):		lo <sup>ne</sup>
	Measured current (mA)		
	Instructional Safeguard	(See F.4 and F.5)	<i>ℯ</i> ″ N/A ℯ
5.7.6	Prospective touch voltage and touch current due to external circuits		N/A
5.7.6.1	Touch current from coaxial cables		N/A
5.7.6.2	Prospective touch voltage and touch current from external circuits		N/A      ✓
5.7.7	Summation of touch currents from external circuits		N/A
	a) Equipment with earthed external circuits Measured current (mA)		N/A
100	b) Equipment whose external circuits are not referenced to earth. Measured current (mA):		N/A



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(6)	→ IEC 62368-1	6. 6. 6. 6.	(0)
Clause	Requirement + Test	Result - Remark	Verdict
6	ELECTRICALLY- CAUSED FIRE		P
6.2	Classification of power sources (PS) and potential	ignition sources (PIS)	, P
6.2.2	Power source circuit classifications		Р
6.2.2.1	General A A	7 7 7 7 7	Р
6.2.2.2	Power measurement for worst-case load fault :	(See appended table 6.2.2)	Р
6.2.2.3	Power measurement for worst-case power source fault:	(See appended table 6.2.2)	1682 P 1682
6.2.2.4	PS1:	(See appended table 6.2.2)	, P
6.2.2.5	PS2 ::::::::::::::::::::::::::::::::::::	(See appended table 6.2.2)	N/A
6.2.2.6	PS3:	(See appended table 6.2.2)	N/A
6.2.3	Classification of potential ignition sources		N/A
6.2.3.1	Arcing PIS:	(See appended table 6.2.3.1)	N/A
6.2.3.2	Resistive PIS	(See appended table 6.2.3.2)	N/A
6.3	Safeguards against fire under normal operating an	d abnormal operating conditions	N/A
6.3.1 (a)	No ignition and attainable temperature value less than 90 % defined by ISO 871 or less than 300 °C for unknown materials	(See appended table 5.4.1.5, 6.3.2, 9.0, B.2.6)	N/A
6.3.1 (b)	Combustible materials outside fire enclosure	No such materials used.	N/A
6.4	Safeguards against fire under single fault condition	IS W	Р
6.4.1	Safeguard Method	Approved fire enclosure used	N/A
6.4.2	Reduction of the likelihood of ignition under single fault conditions in PS1 circuits		P
6.4.3	Reduction of the likelihood of ignition under single fault conditions in PS2 and PS3 circuits		N/A
6.4.3.1	General		N/A
6.4.3.2	Supplementary Safeguards	By equipped plastic fire enclosure.	N/A
ests (ests	Special conditions if conductors on printed boards are opened or peeled	No such case happened.	⊌ N/A ⊌
6.4.3.3	Single Fault Conditions:	(See appended table 6.4.3)	N/A
Ve <sup>®</sup>	Special conditions for temperature limited by fuse	16, 16, 16, 16, 16,	N/A
6.4.4	Control of fire spread in PS1 circuits		Р
6.4.5	Control of fire spread in PS2 circuits	W W W	N/A
6.4.5.2	Supplementary safeguards:	(See appended tables 4.1.2 and Annex G)	N/A
6.4.6	Control of fire spread in PS3 circuit		N/A
6.4.7	Separation of combustible materials from a PIS		√ N/A √



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Clause	Requirement + Test	Result - Remark	Verdict
ve"			UE <sup>2</sup>
6.4.7.1	General:	(See tables 6.2.3.1 and 6.2.3.2)	N/A
6.4.7.2	Separation by distance		N/A
6.4.7.3	Separation by a fire barrier		N/A
6.4.8	Fire enclosures and fire barriers	Was the test that	N/A
6.4.8.1	Fire enclosure and fire barrier material properties		Р
6.4.8.2.1	Requirements for a fire barrier	b the thing the state of the st	<i>"</i> N/A <i>"</i>
6.4.8.2.2	Requirements for a fire enclosure		N/A
6.4.8.3	Constructional requirements for a fire enclosure and a fire barrier		₩ N/A
6.4.8.3.1	Fire enclosure and fire barrier openings		N/A
6.4.8.3.2	Fire barrier dimensions		N/A
6.4.8.3.3	Top Openings in Fire Enclosure: dimensions (mm)		√ N/A ✓
	Needle Flame test		N/A
6.4.8.3.4	Bottom Openings in Fire Enclosure, condition met a), b) and/or c) dimensions (mm):		N/A
16 <sup>0.05</sup>	Flammability tests for the bottom of a fire enclosure		N/A
6.4.8.3.5	Integrity of the fire enclosure, condition met: a), b) or c):		N/A
6.4.8.4	Separation of PIS from fire enclosure and fire barrier distance (mm) or flammability rating:		P
6.5	Internal and external wiring		N/A
6.5.1	Requirements decided and the second s		N/A
6.5.2	Cross-sectional area (mm²):		10000000000000000000000000000000000000
6.5.3	Requirements for interconnection to building wiring	(See Annex Q.)	N/A
6.6	Safeguards against fire due to connection to additional equipment	the contract of the contract o	√ N/A ✓
10000	External port limited to PS2 or complies with Clause Q.1		N/A

7	INJURY CAUSED BY HAZARDOUS SUBSTANCES		N/A
7.2	Reduction of exposure to hazardous substances	No hazardous chemicals within the equipment.	N/A
7.3	Ozone exposure		N/A
7.4	Use of personal safeguards (PPE)	Control (Section 1)	N/A



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Clause	Requirement + Test	Result - Remark	Verdict
U6 22		10 10 10 10 10	UE.
	Personal safeguards and instructions:		
7.5	Use of instructional safeguards and instructions		» N/A
	Instructional safeguard (ISO 7010)		
7.6	Batteries:	(See Annex M)	N/A

8	MECHANICALLY-CAUSED INJURY		(г <sup>о</sup> Р (г <sup>о</sup>
8.1	General	See the following details.	Р
8.2	Mechanical energy source classifications	Sharp edges and corners, classified as MS1 Equipment maximum mass < 7 kg, classified as MS1	P **
8.3	Safeguards against mechanical energy sources	W W W	N/A
8.4	Safeguards against parts with sharp edges and corners	Accessible edges and corners of the equipment are rounded and are classified as MS1.	P
8.4.1	Safeguards		N/A
8.5	Safeguards against moving parts	No moving parts within the equipment.	N/A
8.5.1	MS2 or MS3 part required to be accessible for the function of the equipment	(e (e (e) (e)	N/A
8.5.2	Instructional Safeguard:		<u>ue de la companya de</u>
8.5.4	Special categories of equipment comprising moving parts	er leger leger leger	N/A
8.5.4.1	Large data storage equipment		N/A
8.5.4.2	Equipment having electromechanical device for destruction of media		N/A
8.5.4.2.1	Safeguards and Safety Interlocks	(See Annex F.4 and Annex K)	N/A
8.5.4.2.2	Instructional safeguards against moving parts		N/A
ue <sup>art</sup> ue	Instructional Safeguard		16°23 - 16°23
8.5.4.2.3	Disconnection from the supply		N/A
8.5.4.2.4	Probe type and force (N)		N/A
8.5.5	High Pressure Lamps		N/A
8.5.5.1	Energy Source Classification		
8.5.5.2	High Pressure Lamp Explosion Test	(See appended table 8.5.5.2)	N/A
8.6	Stability & Control of the stability		N/A
8.6.1	Product classification		N/A
ue <sup>nth</sup> ue <sup>nth</sup>	Instructional Safeguard	Comment of the commen	16°2° 16°2°



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Clause	Requirement + Test			Re	sult	- Re	ema	rk			Verdict
168023		UE STATE OF THE ST	00000	UE STATE	00000	U6 TO	000000 999993 999993	UE ME	00000 00000 00000	U6 <sup>2078</sup>	ve
8.6.2	Static stability										N/A
8.6.2.2	Static stability test	, De la Constantina del Constantina de la Consta	U6 <sup>82,8</sup>		16		06 82.5	200000 200000 200000	16		N/A
	Applied Force ::										
8.6.2.3	Downward Force Test	VE 2.3.		UE B		16023		Q6 <sup>02,0</sup>	00000	De la companya della companya della companya de la companya della	N/A
8.6.3	Relocation stability test										N/A
	Unit configuration during 10° tilt:		U6 <sup>002</sup>	00000	U6 <sup>000</sup>		16.00		16"		16" <del>-</del> 16"
8.6.4	Glass slide test								62566 66666 62666 62666		N/A
8.6.5	Horizontal force test (Applied Force):		UE COMMENT		16"		06		U6 <sup>013</sup>		w N/A w
	Position of feet or movable parts:										
8.7	Equipment mounted to wall or ceiling	(Je		US		16		Q6 <sup>922</sup>		U6"	N/A
8.7.1	Mounting Means (Length of screws (mm) and mounting surface)	*	Le service		(6 <sup>5</sup> 7.5		Ve <sup>na®</sup>		(0 <sup>87,8</sup>		N/A
8.7.2	Direction and applied force:										N/A
8.8	Handles strength // // //	UE TO		U6 <sup>00</sup>		16.00		U6 <sup>002</sup>	00000 00000 0xx000 0xx000 0xx000	U6 <sup>81,8</sup>	N/A
8.8.1	Classification			00000		00000			00000 00000 00000 00000		N/A
8.8.2	Applied Force	<i>*</i>	U6 <sup>82,8</sup>		16		06 82.8		16.00		√ N/A  √
8.9	Wheels or casters attachment requirements								00000		N/A
8.9.1	Classification de	QE <sup>23</sup>		Ve <sup>ne</sup>		1692.5		Q6 <sup>007,0</sup>		16"1.5	N/A
8.9.2	Applied force:										
8.10	Carts, stands and similar carriers		U6 <sup>®</sup>	00000	16		16		U6"		√ N/A ✓
8.10.1	General								00000 00000 00000 00000		N/A
8.10.2	Marking and instructions		U6 TO		16		06		ŲE <sup>®T</sup>		₩ N/A
	Instructional Safeguard:								000000		
8.10.3	Cart, stand or carrier loading test and compliance	UE		ŲĖ		Ve <sup>®</sup>	00000	Ų6 <sup>6</sup>		ŲĒ"	N/A
	Applied force:										
8.10.4	Cart, stand or carrier impact test		DE T		(6°		Ų6 <sup>®</sup>		Ų6 <sup>®</sup>		N/A
8.10.5	Mechanical stability							.5.	00000		N/A
(e)	Applied horizontal force (N):	QE T		UE G		Q0		ŲĐ		UE CO	QE .
8.10.6	Thermoplastic temperature stability (°C):	<b>%</b>	20						200		N/A
8.11	Mounting means for rack mounted equipment		W.		16"		06"		16"		N/A
8.11.1	General	39	00000 00000 00000 00000			.35	<del>30000</del> 900000 9000000 9000000	67	<del>000000</del> 000000 000000 000000		N/A
8.11.2	Product Classification	06		US"		U6°		US"		06	N/A
8.11.3	Mechanical strength test, variable N	٠									» N/A
8.11.4	Mechanical strength test 250N, including end stops		V6 C		Ve '		Ųė"		<u> </u>		N/A



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Clause	Requirement + Test	Result - Remark	Verdict
De <sup>gar</sup>			062
8.12	Telescoping or rod antennas	(See Annex T)	N/A
(6°22)	Button/Ball diameter (mm)		16023

9		THERMAL BURN INJURY	Р
9.2		Thermal energy source classifications	Р
9.3	(IE <sup>NT</sup>	Safeguard against thermal energy sources	P P
9.4		Requirements for safeguards	Р
9.4.1	06.82.8	Equipment safeguard	
9.4.2		Instructional safeguard:	N/A

10	RADIATION		Р
10.2	Radiation energy source classification		и <sup>вай</sup> Р и <sup>вай</sup>
10.2.1	General classification	RS1	Р
10.3	Protection against laser radiation	He H	N/A
	Laser radiation that exists equipment:		
6 6 6	Normal, abnormal, single-fault:	(See attached laser test report)	N/A
	Instructional safeguard:		
Uest	Tool:		us <sup>2</sup>
10.4	Protection against visible, infrared, and UV radiation		P
10.4.1	General		Р
10.4.1.a)	RS3 for Ordinary and instructed persons:		
10.4.1.b)	RS3 accessible to a skilled person:		N/A
ue <sup>ne</sup>	Personal safeguard (PPE) instructional safeguard:		<u> </u>
10.4.1.c)	Equipment visible, IR, UV does not exceed RS1.:	LED (*)	P
10.4.1.d)	Normal, abnormal, single-fault conditions:	(See appended table B.3 & B.4)	N/A
10.4.1.e)	Enclosure material employed as safeguard is opaque:		N/A
10.4.1.f)	UV attenuation:		N/A
10.4.1.g)	Materials resistant to degradation UV:	W W W	N/A
10.4.1.h)	Enclosure containment of optical radiation:	, , , , ,	N/A
10.4.1.i)	Exempt Group under normal operating conditions:		N/A
10.4.2	Instructional safeguard	to the total total	N/A



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Clause	Requirement + Test	Result - Remark	Verdict
1000			UE TO THE PERSON OF THE PERSON
10.5	Protection against x-radiation		N/A
10.5.1	X- radiation energy source that exists equipment :	(See appended table B.3 & B.4)	N/A
	Normal, abnormal, single fault conditions		N/A
(6°21)	Equipment safeguards:		N/A
	Instructional safeguard for skilled person:		N/A
10.5.3	Most unfavourable supply voltage to give maximum radiation		16 <sup>82</sup> — 16 <sup>82</sup>
<i>*</i>	Abnormal and single-fault condition:	(See appended table B.3 & B.4)	N/A
<b>W</b>	Maximum radiation (pA/kg)	16 16 16	N/A
10.6	Protection against acoustic energy sources	, , , , , ,	N/A
10.6.1	General		N/A
10.6.2	Classification	, , , , ,	N/A
	Acoustic output, dB(A):		N/A
	Output voltage, unweighted r.m.s:		N/A
10.6.4	Protection of persons		N/A
,	Instructional safeguards:	. , , , , ,	N/A
VC	Equipment safeguard prevent ordinary person to RS2:		
(e <sup>2</sup>	Means to actively inform user of increase sound pressure:	(e (o to to to	(VE
16.00	Equipment safeguard prevent ordinary person to RS2:		1622 1622
10.6.5	Requirements for listening devices (headphones, earphones, etc.)		N/A
10.6.5.1	Corded passive listening devices with analog input		N/A
us s	Input voltage with 94 dB(A) L <sub>Aeq</sub> acoustic pressure output:		Light Light
10.6.5.2	Corded listening devices with digital input		N/A
Ue <sup>arth</sup>	Maximum dB(A):		) v
10.6.5.3	Cordless listening device		N/A
	Maximum dB(A)	· 19 19 19 19	

B	NORMAL OPERATING CONDITION TESTS, ABNORMAL OPERATING CONDITION TESTS AND SINGLE FAULT CONDITION TESTS	Р
B.2	Normal Operating Conditions	.∌ P .∌



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Clause	Requirement + Test	Result - Remark	Verdict
16			UÉ .
B.2.1	General requirements:	(See Test Item Particulars and appended test tables)	Р
(e <sup>r</sup>	Audio Amplifiers and equipment with audio amplifiers:	(6) (6) (6)	N/A
B.2.3	Supply voltage and tolerances		N/A
B.2.5	Input test:	(See appended table B.2.5)	Р
B.3	Simulated abnormal operating conditions		w N/A ⊌
B.3.1	General requirements:	(See appended table B.3)	N/A
B.3.2	Covering of ventilation openings	No ventilation openings provided.	N/A
B.3.3	D.C. mains polarity test	The EUT is not connected to a D.C. mains	N/A
B.3.4	Setting of voltage selector:	No setting of voltage selector within the EUT	N/A
B.3.5	Maximum load at output terminals	(See appended table B.3&B.4)	N/A
B.3.6	Reverse battery polarity	, , , , ,	N/A
B.3.7	Abnormal operating conditions as specified in Clause E.2.		N/A
B.3.8	Safeguards functional during and after abnormal operating conditions	All safeguards remained effectively.	N/A
B.4	Simulated single fault conditions		Р
B.4.2	Temperature controlling device open or short-circuited	(See appended table B.4)	P
B.4.3	Motor tests		N/A
B.4.3.1	Motor blocked or rotor locked increasing the internal ambient temperature:	(See Clause G.5)	N/A
B.4.4	Short circuit of functional insulation		N/A
B.4.4.1	Short circuit of clearances for functional insulation		N/A
B.4.4.2	Short circuit of creepage distances for functional insulation		N/A
B.4.4.3	Short circuit of functional insulation on coated printed boards		N/A
B.4.5	Short circuit and interruption of electrodes in tubes and semiconductors		Р
B.4.6	Short circuit or disconnect of passive components		Р
B.4.7	Continuous operation of components	, , , , , , , , , , , , , , , , , , , ,	N/A
B.4.8	Class 1 and Class 2 energy sources within limits during and after single fault conditions		P
B.4.9	Battery charging under single fault conditions:	We will see the see that the se	N/A



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(6 <sup>6</sup>	/ IEC 62368-1		UE UE
Clause	Requirement + Test	Result - Remark	Verdict
C	UV RADIATION	d d d d	N/A
C.1	Protection of materials in equipment from UV radiation		N/A
C.1.2	Requirements		N/A
C.1.3	Test method	9) 9) 9) 9)	N/A
C.2	UV light conditioning test		N/A
C.2.1	Test apparatus		N/A
C.2.2	Mounting of test samples		N/A
C.2.3	Carbon-arc light-exposure apparatus		N/A
C.2.4	Xenon-arc light exposure apparatus		N/A
D	TEST GENERATORS		N/A
D.1	Impulse test generators		N/A
D.2	Antenna interface test generator		N/A
D.3 🎤	Electronic pulse generator	, , , , , ,	N/A
E	TEST CONDITIONS FOR EQUIPMENT CONTAIN	NING AUDIO AMPLIFIERS	N/A
E.1	Audio amplifier normal operating conditions	, , , , , ,	N/A
Ve Ve	Audio signal voltage (V):	9 99 9)	
16°23	Rated load impedance (Ω):		ue.**
E.2	Audio amplifier abnormal operating conditions		N/A
F (c)	EQUIPMENT MARKINGS, INSTRUCTIONS, AND	INSTRUCTIONAL SAFEGUARDS	<i>₽</i> P <i>₽</i>
F.1	General requirements		Р
	Instructions – Language	Evaluated the user manual in English version. The manufacturer commits to provide them in the language of the countries where the product will be distributed.	Gent - Gent
F.2	Letter symbols and graphical symbols		P
F.2.1	Letter symbols according to IEC60027-1		Р
F.2.2	Graphic symbols IEC, ISO or manufacturer specific		P
F.3	Equipment markings		Р
F.3.1	Equipment marking locations	On the product	P
F.3.2	Equipment identification markings		Р
F.3.2.1	Manufacturer identification	See marking	W.
F.3.2.2	Model identification:	Marked	
F.3.3	Equipment rating markings		Р



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Clause	Requirement + Test	Result - Remark	Verdict
V6 <sup>1/3</sup>			VE TO THE REAL PROPERTY.
F.3.3.1	Equipment with direct connection to mains		Р
F.3.3.2	Equipment without direct connection to mains	Considered	N/A
F.3.3.3	Nature of supply voltage	See marking	
F.3.3.4	Rated voltage	See marking	UE .
F.3.3.4	Rated frequency:		
F.3.3.6	Rated current or rated power	See marking 🧳 🗳	16 <sub>672</sub> — 16 <sub>672</sub>
F.3.3.7	Equipment with multiple supply connections		N/A
F.3.4	Voltage setting device		√ N/A ✓
F.3.5	Terminals and operating devices		N/A
F.3.5.1	Mains appliance outlet and socket-outlet markings:		N/A
F.3.5.2	Switch position identification marking:	de training to the second of t	<i>∾</i> N/A
F.3.5.3	Replacement fuse identification and rating markings:		N/A
F.3.5.4	Replacement battery identification marking:	(c (e (e (e	N/A
F.3.5.5	Terminal marking location		N/A
F.3.6	Equipment markings related to equipment classification		N/A
F.3.6.1	Class I Equipment	all toll toll toll toll	N/A
F.3.6.1.1	Protective earthing conductor terminal		N/A
F.3.6.1.2	Neutral conductor terminal	to to to to	N/A
F.3.6.1.3	Protective bonding conductor terminals		N/A
F.3.6.2	Class II equipment (IEC60417-5172)	16" 16" 16" 16"	N/A
F.3.6.2.1	Class II equipment with or without functional earth		N/A
F.3.6.2.2	Class II equipment with functional earth terminal marking		N/A
F.3.7	Equipment IP rating marking:	IPX0 💞 🧳 💞	(622
F.3.8	External power supply output marking	Marked on the label	N/A
F.3.9	Durability, legibility and permanence of marking	Marking plate was provided on the enclosure and it was legible, permanent and easily discernible.	P
F.3.10	Test for permanence of markings	Complied	P
F.4	Instructions	•	P
	a) Equipment for use in locations where children not likely to be present - marking	The accessibility of equipment was evaluated by using test probe of Figure V.2.	P



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01	D	D # D #	N/ 11 /
Clause	Requirement + Test	Result - Remark	Verdict
(e <sup>ee</sup>	b) Instructions given for installation or initial use	Relevant safety caution texts and installation instruction are available.	P
	c) Equipment intended to be fastened in place	See above.	Р
ve <sup>-18</sup>	d) Equipment intended for use only in restricted access area	The EUT is not such type equipment	N/A
erit (erit	e) Audio equipment terminals classified as ES3 and other equipment with terminals marked in accordance F.3.6.1	No such terminals provided.	<i>ℯ</i> N/A ℯ
W.	f) Protective earthing employed as safeguard	Class III equipment	N/A
1682	g) Protective earthing conductor current exceeding ES 2 limits	Class III equipment	N/A
	h) Symbols used on equipment	Complied	Р
e <sup>art</sup> (e <sup>art</sup>	i) Permanently connected equipment not provided with all-pole mains switch	The EUT is not a permanently connected equipment	« N/A «
j) 🧳	j) Replaceable components or modules providing safeguard function	No replaceable components	N/A
F.5	Instructional safeguards	No instructional safeguard is considered as necessary.	N/A
(Garage	Where "instructional safeguard" is referenced in the test report it specifies the required elements, location of marking and/or instruction	No instructional safeguard required in the equipment.	N/A
G	COMPONENTS		N/A
G.1	Switches		N/A
G.1.1	General requirements		N/A
G.1.2	Ratings, endurance, spacing, maximum load	to, to, to, to,	N/A
G.2	Relays		N/A
G.2.1	General requirements	No such relay provided within the equipment.	N/A
G.2.2	Overload test	Control of the contro	w N/A ₩
G.2.3	Relay controlling connectors supply power		N/A
G.2.4	Mains relay, modified as stated in G.2	(C <sub>2</sub> ) (C <sub>2</sub> )	N/A
G.3	Protection Devices		N/A
G.3.1	Thermal cut-offs	No thermal cut-off provided within the equipment.	₩ N/A ₩
G.3.1.1a) &b)	Thermal cut-outs separately approved according to IEC 60730 with conditions indicated in a) & b)		N/A
G.3.1.1c)	Thermal cut-outs tested as part of the equipment as indicated in c)		N/A



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Clause	Dogwinsment I Test	Decult Demonic	Mandiat
Clause	Requirement + Test	Result - Remark	Verdict
G.3.1.2	Thermal cut-off connections maintained and secure	(6) (6) (6) (6) (6)	N/A
G.3.2	Thermal links		N/A
G.3.2.1a)	Thermal links separately tested with IEC 60691		N/A
G.3.2.1b)	Thermal links tested as part of the equipment	E E E E	N/A
	Aging hours (H)		
<del>li</del>	Single Fault Condition:	6 6	<u> </u>
<i>A</i>	Test Voltage (V) and Insulation Resistance ( $\Omega$ ). :		
G.3.3	PTC Thermistors	No PTC thermistor provided within the equipment.	N/A
G.3.4	Overcurrent protection devices		N/A
G.3.5	Safeguards components not mentioned in G.3.1 to	G.3.5	N/A
G.3.5.1	Non-resettable devices suitably rated and marking provided	to to to	N/A
G.3.5.2	Single faults conditions	(See appended Table B.4)	N/A
G.4	Connectors		N/A
G.4.1	Spacings de		N/A
G.4.2	Mains connector configuration:		N/A
G.4.3	Plug is shaped that insertion into mains socket- outlets or appliance coupler is unlikely		N/A
G.5	Wound Components		<i>ℯ</i> / N/A ℯ/
G.5.1	Wire insulation in wound components	(See Annex J)	N/A
G.5.1.2 a)	Two wires in contact inside wound component, angle between 45° and 90°	Insulation tube used as physical separation	N/A
G.5.1.2 b)	Construction subject to routine testing	, , , , ,	N/A
G.5.2	Endurance test on wound components		N/A
G.5.2.1	General test requirements		N/A
G.5.2.2	Heat run test		N/A
U6 <sup>625</sup>	Time (s):		ue*
	Temperature (°C):		
G.5.2.3	Wound Components supplied by mains	e gen gen gen	" N/A "⋅
G.5.3	Transformers		N/A
G.5.3.1	Requirements applied (IEC61204-7, IEC61558-1/-2, and/or IEC62368-1):		N/A
	Position:	, , , , , ,	<u> </u>
S. C.	Method of protection:		W W



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0			(6
Clause	Requirement + Test	Result - Remark	Verdict
G.5.3.2	Insulation		N/A
<i>y</i>	Protection from displacement of windings:		, ,
G.5.3.3	Overload test:		N/A
G.5.3.3.1	Test conditions // // // // // // // // // // // // //		N/A
G.5.3.3.2	Winding Temperatures testing in the unit		N/A
G.5.3.3.3	Winding Temperatures - Alternative test method		₩ N/A
G.5.4	Motors		N/A
G.5.4.1	General requirements		N/A      √
	Position:		
G.5.4.2	Test conditions // // // //		N/A
G.5.4.3	Running overload test		N/A
G.5.4.4	Locked-rotor overload test		√ N/A √
	Test duration (days):		
G.5.4.5	Running overload test for d.c. motors in secondary circuits		N/A
G.5.4.5.2	Tested in the unit		" N/A "
	Electric strength test (V):		
G.5.4.5.3	Tested on the Bench - Alternative test method; test time (h):		N/A
	Electric strength test (V):		
G.5.4.6	Locked-rotor overload test for d.c. motors in secondary circuits		N/A
G.5.4.6.2	Tested in the unit	re, re, re, re,	N/A
	Maximum Temperature:		N/A
W <sup>*</sup>	Electric strength test (V):	LE LE LE LE LE	N/A
G.5.4.6.3	Tested on the bench - Alternative test method; test time (h)		N/A
	Electric strength test (V):		N/A
G.5.4.7	Motors with capacitors		N/A
G.5.4.8	Three-phase motors		N/A
G.5.4.9	Series motors		■ N/A ■
	Operating voltage:		
G.6	Wire Insulation		N/A
G.6.1	General		N/A
G.6.2	Solvent-based enamel wiring insulation	te te te	N/A



(See appended table B.3)

(See appended table B.3)

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

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(65.5	/ // // // // IEC 62368-1		(6°2° (6°2°
Clause	Requirement + Test	Result - Remark	Verdict
(6 <sup>n+1</sup> )			06.2%
G.7	Mains supply cords		N/A
G.7.1	General requirements		" N/A "∗
	Туре:		
1652.55	Rated current (A)		ville VE
	Cross-sectional area (mm²), (AWG):		
G.7.2	Compliance and test method	the state of the s	
G.7.3	Cord anchorages and strain relief for non- detachable power supply cords		N/A
G.7.3.2	Cord strain relief		N/A
G.7.3.2.1	Requirements		N/A
	Strain relief test force (N):		
G.7.3.2.2	Strain relief mechanism failure		<i>"</i> N/A <i>"</i> ∗
G.7.3.2.3	Cord sheath or jacket position, distance (mm):		
G.7.3.2.4	Strain relief comprised of polymeric material		N/A
G.7.4	Cord Entry:	(See appended table 5.4.11.1)	N/A
G.7.5	Non-detachable cord bend protection		
G.7.5.1	Requirements		N/A
G.7.5.2	Mass (g)		<del>.</del>
	Diameter (m)		
uests uests	Temperature (°C)		U6 U6
G.7.6	Supply wiring space		N/A
G.7.6.2	Stranded wire		N/A
G.7.6.2.1	Test with 8 mm strand		N/A

**G.8** 

G.8.1

G.8.2

G.8.3

G.8.3.2

G.8.3.3

G.9.1 a)

G.9.1 b)

G.9.1 c)

G.9.1 d)

**G.9** 

**Varistors** 

General requirements

Safeguard against fire

Safeguard against shock

Varistor overload test .....

Temporary overvoltage .....:

Limiters do not have manual operator or reset

Supply source does not exceed 250 VA .....:

Integrated Circuit (IC) Current Limiters

Manufacturer defines limit at max. 5A.

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



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Clause	Requirement + Test	Result - Remark	Verdict
(e <sup>nt</sup>			VE-2
G.9.1 e)	Manufacturers' defined drift:		
G.9.2	Test Program 1		N/A
G.9.3	Test Program 2		N/A
G.9.4	Test Program 3		N/A
G.10	Resistors		N/A
G.10.1	General requirements		<i>ℯ</i> N/A ℯ
G.10.2	Resistor test		N/A
G.10.3 🥕	Test for resistors serving as safeguards between the mains and an external circuit consisting of a coaxial cable		N/A
G.10.3.1	General requirements	the tage that the tage	N/A
G.10.3.2	Voltage surge test		N/A
G.10.3.3	Impulse test	(e <sup>2</sup> (e <sup>2</sup> (e <sup>2</sup>	N/A
G.11	Capacitor and RC units		N/A
G.11.1	General requirements	W W W	N/A
G.11.2	Conditioning of capacitors and RC units		N/A
G.11.3	Rules for selecting capacitors	(e) (e) (e)	N/A
G.12	Optocouplers		N/A
Registration (Septiment)	Optocouplers comply with IEC 60747-5-5:2007 Spacing or Electric Strength Test (specify option and test results)		N/A
	Type test voltage Vini:		
16 16 16 16 16 16 16 16 16 16 16 16 16 1	Routine test voltage, Vini,b:	a tena tena tena tena tena tena tena ten	16°23° - 16°
G.13	Printed boards		N/A
G.13.1	General requirements		N/A
G.13.2	Uncoated printed boards		N/A
G.13.3	Coated printed boards		N/A       ✓
G.13.4	Insulation between conductors on the same inner surface		N/A
	Compliance with cemented joint requirements (Specify construction):		
G.13.5	Insulation between conductors on different surfaces	(6) (6) (6)	N/A
(le <sup>ne</sup>	Distance through insulation	(See appended table 5.4.4.5)	N/A
	Number of insulation layers (pcs):		
G.13.6	Tests on coated printed boards	The second secon	₩ N/A ₩



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			(te)	00000	99		UD .	00000	O QQ	XX200X	(6)
Clause	Requirement + Test			Re	sult	- Re	emai	rk			Verdict
G.13.6.1	Sample preparation and preliminary inspection	DE		U6"		Ve		UE"		ve -	N/A
G.13.6.2a)	Thermal conditioning	*	1629		16.5		06.825				» N/A
G.13.6.2b)	Electric strength test				- Ve						N/A
G.13.6.2c)	Abrasion resistance test	00		U6 <sup>8</sup>		116"2"		DE STATE OF THE ST		D6 <sup>81</sup>	N/A
G.14	Coating on components terminals	20000000									N/A
G.14.1	Requirements	(See	G.1	3)	U6 <sup>8</sup> 2 <sup>8</sup>		U6 <sup>915</sup>		U6 <sup>82</sup>		⊌ N/A
G.15	Liquid filled components										N/A
G.15.1	General requirements		10002		U6 <sup>825</sup>		06		QE <sup>m28</sup>		N/A
G.15.2	Requirements										N/A
G.15.3	Compliance and test methods	Qe <sup>23</sup>		UE TO		16813		V6 <sup>52,8</sup>		V6 <sup>012</sup>	N/A
G.15.3.1	Hydrostatic pressure test										N/A
G.15.3.2	Creep resistance test	*	160000		06,18		Ve <sup>nta</sup>	00000	Ve <sup>ma</sup>		√ N/A  √
G.15.3.3	Tubing and fittings compatibility test										N/A
G.15.3.4	Vibration test	06.78		U6 <sup>80</sup>	X X X X X X X X X X X X X X X X X X X	UE STA		U6 <sup>0028</sup>		100000	N/A
G.15.3.5	Thermal cycling test										N/A
G.15.3.6	Force test	<b>*</b>	16828		V6 <sup>st\$</sup>		06.02.5		Q6		N/A       ✓
G.15.4	Compliance										N/A
G.16	IC including capacitor discharge function (ICX)	(le <sup>cul</sup>		U6"		1602		Q6 <sup>0,2</sup>	000000	1682.	N/A
a)	Humidity treatment in accordance with sc5.4.8 – 120 hours	, the state of the	U6 <sup>nz®</sup>		U6 TO		Un and a second		Ve <sup>str. S</sup>		N/A
b)	Impulse test using circuit 2 with Uc = to transient voltage		22								N/A
C1)	Application of ac voltage at 110% of rated voltage for 2.5 minutes		(ii)		(0)		Ve.		(ve		N/A
C2)	Test voltage	Decame		U6 <sup>®</sup>		ŲŠ.		U6 <sup>828</sup>		Ų6 <sup>erto</sup>	<u>uë"</u>
D1)	10,000 cycles on and off using capacitor with smallest capacitance resistor with largest resistance specified by manufacturer		(e <sup>oo</sup>		(16 <sup>80)</sup>		(10"2"		US. T. S.		<i>ஃ</i> N/A <i>₅</i>
D2)	Capacitance	2.00	(000000 (000000 (000000		); ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;		00000		000000 000000 0000000		<u></u>
D3)	Resistance:		000000		100000 110000 100000 100000 100000		00000		000000		<del></del>
Н 🚜	CRITERIA FOR TELEPHONE RINGING SIGNALS	3	1679		100		06.02.9		16		N/A
H.1	General		UV		Ve.		ur/		W		N/A
H.2	Method A	ur <sup>3</sup>		US S		116"21.5"		US S		D6 <sup>81.9</sup>	N/A
H.3	Method B										N/A
H.3.1	Ringing signal	<b>*</b>	106 52		116		UE TO		UE <sup>STS</sup>		" N/A "
H.3.1.1	Frequency (Hz)										<u> </u>



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Clause	Requirement + Test	Result - Remark	Verdict
Clause	Requirement + Test	Result - Remark	Verdict
H.3.1.2	Voltage (V)	re, re, re, re, re,	<b>V</b> (
H.3.1.3	Cadence; time (s) and voltage (V)		/ /
H.3.1.4	Single fault current (mA):		<u> </u>
H.3.2	Tripping device and monitoring voltage	Left Griff Control	N/A
H.3.2.1	Conditions for use of a tripping device or a monitoring voltage complied with		N/A
H.3.2.2	Tripping device	16, 16, 16, 16	N/A
H.3.2.3	Monitoring voltage (V)		, <del>-</del>
J	INSULATED WINDING WIRES FOR USE WITHO	OUT INTERLEAVED INSULATION	N/A
	General requirements	(See separate test report)	N/A
K	SAFETY INTERLOCKS		N/A
K.1	General requirements		» N/A
K.2	Components of safety interlock safeguard mechanism	(See Annex G)	N/A
K.3	Inadvertent change of operating mode		N/A
K.4	Interlock safeguard override		N/A
K.5	Fail-safe	(6) (6) (6)	N/A
	Compliance	(See appended table B.4)	N/A
K.6	Mechanically operated safety interlocks	6 6 6 6 6	N/A
K.6.1	Endurance requirement	, , , , ,	N/A
K.6.2	Compliance and Test method		N/A
K.7	Interlock circuit isolation		N/A
K.7.1	Separation distance for contact gaps & interlock circuit elements (type and circuit location):		N/A
K.7.2	Overload test, Current (A)		N/A
K.7.3	Endurance test		N/A
K.7.4	Electric strength test	(See appended table 5.4.11)	N/A
L	DISCONNECT DEVICES		N/A
L.1	General requirements	DC connector	N/A
L.2	Permanently connected equipment	, , , , , ,	N/A
L.3	Parts that remain energized	(a) (b) (b)	N/A
L.4	Single phase equipment	, , , , ,	N/A
L.5	Three-phase equipment	(6 (6 (6 (6 (6	N/A
L.6	Switches as disconnect devices	, , , , , , , , , , , , , , , , , , , ,	N/A
L.7	Plugs as disconnect devices	(c) (c) (c) (c)	N/A



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Clause	Requirement + Test	Result - Remark	Verdict
1.0	NA Million and a second		NI/A
L.8	Multiple power sources	ISID PROTECTION OFFICIAL	N/A
M	EQUIPMENT CONTAINING BATTERIES AND THE	HEIR PROTECTION CIRCUITS	N/A
M.1	General requirements		N/A
M.2	Safety of batteries and their cells		N/A
M.2.1	Requirements		N/A
M.2.2	Compliance and test method (identify method):		₩ N/A
M.3	Protection circuits		N/A
M.3.1	Requirements		√ N/A √
M.3.2	Tests		N/A
108"2" (	- Overcharging of a rechargeable battery		N/A
	<ul> <li>Unintentional charging of a non-rechargeable battery</li> </ul>		N/A
	- Reverse charging of a rechargeable battery		N/A
(care	- Excessive discharging rate for any battery		N/A
M.3.3	Compliance :	(See appended Tables and Annex M and M.4)	N/A
M.4	Additional safeguards for equipment containing secondary lithium battery	(e <sup>2</sup> ) (e <sup>2</sup> ) (e <sup>2</sup> )	N/A
M.4.1	General de		N/A
M.4.2	Charging safeguards		N/A
M.4.2.1	Charging operating limits		w N/A w
M.4.2.2a)	Charging voltage, current and temperature:	(See Table M.4)	N/A
M.4.2.2 b)	Single faults in charging circuitry	(See Annex B.4)	1681 1681
M.4.3	Fire Enclosure		N/A
M.4.4	Endurance of equipment containing a secondary lithium battery		N/A
M.4.4.2	Preparation // // // //		N/A
M.4.4.3	Drop and charge/discharge function tests		N/A
(6°22°	Drop 🙋 🙋 🙋		N/A
	Charge		N/A
e e e e e e e e e e e e e e e e e e e	Discharge de la company de la		N/A
M.4.4.4	Charge-discharge cycle test		N/A
M.4.4.5	Result of charge-discharge cycle test		N/A
M.5	Risk of burn due to short circuit during carrying		N/A
M.5.1	Requirement		✓ N/A ✓



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e ue	/ IEC 62368-1		(6 <sup>21</sup>
Clause	Requirement + Test	Result - Remark	Verdict
M.5.2	Compliance and Test Method (Test of P.2.3)		N/A
M.6	Prevention of short circuits and protection from other effects of electric current		N/A
M.6.1	Short circuits		N/A
M.6.1.1	General requirements	16, 10, 16, 16, 16,	N/A
M.6.1.2	Test method to simulate an internal fault		N/A
M.6.1.3	Compliance (Specify M.6.1.2 or alternative method):	(E) (E) (E)	N/A
M.6.2	Leakage current (mA):	16" 16" 16"	₩ N/A
M.7	Risk of explosion from lead acid and NiCd batteries		N/A
M.7.1	Ventilation preventing explosive gas concentration		N/A
M.7.2	Compliance and test method		N/A
M.8	Protection against internal ignition from external spark sources of lead acid batteries		N/A
M.8.1	General requirements		N/A
M.8.2	Test method		N/A
M.8.2.1	General requirements		N/A
M.8.2.2	Estimation of hypothetical volume Vz (m³/s):	10° 10° 10° 10°	QE .
M.8.2.3	Correction factors:		<u></u>
M.8.2.4	Calculation of distance d (mm):	(6" (6" (6"	ve ve
M.9	Preventing electrolyte spillage		N/A
M.9.1	Protection from electrolyte spillage	6 6 6	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)		N/A
N	ELECTROCHEMICAL POTENTIALS	te te te	N/A
16*1.5	Metal(s) used:	Pollution degree considered	<u></u>
0	MEASUREMENT OF CREEPAGE DISTANCES A		N/A
90909999999999	Figures O.1 to O.20 of this Annex applied:		ve** ve*
P	SAFEGUARDS AGAINST ENTRY OF FOREIGN INTERNAL LIQUIDS	OBJECTS AND SPILLAGE OF	N/A
P.1	General requirements	No openings	N/A
P.2.2	Safeguards against entry of foreign object		N/A
2000000000@0000	Location and Dimensions (mm)	99 (9) ay	



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Karana (Karana	IEC 62368-1		16"2" 16"2"
Clause	Requirement + Test	Result - Remark	Verdict
P.2.3	Safeguard against the consequences of entry of foreign object		N/A
P.2.3.1	Safeguards against the entry of a foreign object	(e) (e) (e)	N/A
•	Openings in transportable equipment		N/A
Ųė.	Transportable equipment with metalized plastic parts:	(6 (6 (6 (6	N/A
P.2.3.2	Openings in transportable equipment in relation to metallized parts of a barrier or enclosure (identification of supplementary safeguard):		√ N/A √
P.3	Safeguards against spillage of internal liquids	(6 (6 (6 (6	N/A
P.3.1	General requirements		N/A
P.3.2	Determination of spillage consequences		N/A
P.3.3	Spillage safeguards		N/A
P.3.4	Safeguards effectiveness		N/A
P.4	Metallized coatings and adhesive securing parts	, , , , ,	N/A
P.4.2 a)	Conditioning testing		N/A
, ,	Tc (°C)		7 - 7
	Tr (°C):		
U6 <sup>12,5</sup>	Ta (°C):		UE N
P.4.2 b)	Abrasion testing:	(See G.13.6.2)	N/A
P.4.2 c)	Mechanical strength testing	(See Annex T)	⊌ N/A
Q	CIRCUITS INTENDED FOR INTERCONNECTION	N WITH BUILDING WIRING	N/A
Q.1	Limited power sources		<i>ℯ</i> N/A ℯ
Q.1.1 a)	Inherently limited output		N/A
Q.1.1 b)	Impedance limited output		N/A
	- Regulating network limited output under normal operating and simulated single fault condition	, , , , ,	N/A
Q.1.1 c)	Overcurrent protective device limited output		N/A
Q.1.1 d)	IC current limiter complying with G.9	2 2 2 2 2	N/A
Q.1.2	Compliance and test method		N/A
Q.2	Test for external circuits – paired conductor cable		N/A
· ·	Maximum output current (A):	10 10 10	
Ve <sup>ng S</sup>	Current limiting method:	Water Court Court	ve ve
R	LIMITED SHORT CIRCUIT TEST		N/A
R.1	General requirements		₩ N/A



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Clause	Requirement + Test	Result - Remark	Verdict
Olduse	Trequirement From	Treduit Tremant	Volutor
R.2	Determination of the overcurrent protective device and circuit		N/A
R.3	Test method Supply voltage (V) and short-circuit current (A)):	(6) (6) (6)	N/A
S	TESTS FOR RESISTANCE TO HEAT AND FIRE		N/A
S.1	Flammability test for fire enclosures and fire barrier materials of equipment where the steady state power does not exceed 4 000 W		N/A
	Samples, material:		_
e ve	Wall thickness (mm):		_
	Conditioning (°C):		_
	Test flame according to IEC 60695-11-5 with conditions as set out		N/A
(te <sup>6</sup>	- Material not consumed completely	W W W	N/A
	- Material extinguishes within 30s		N/A
Ve <sup>e</sup>	- No burning of layer or wrapping tissue	ë të të të	N/A
S.2	Flammability test for fire enclosure and fire barrier integrity		N/A
	Samples, material:		
16213	Wall thickness (mm):		_
	Conditioning (°C):		_
	Test flame according to IEC 60695-11-5 with conditions as set out	(e <sub>app</sub> (e <sub>app</sub>	N/A
ent leert	Test specimen does not show any additional hole	(6 <sup>45</sup> ) (6 <sup>45</sup> ) (6 <sup>45</sup> )	N/A
S.3	Flammability test for the bottom of a fire enclosure		N/A
	Samples, material:		_
5 (6°55)	Wall thickness (mm):	Legal Legal Legal	_
	Cheesecloth did not ignite		N/A
S.4	Flammability classification of materials		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		N/A
	Samples, material:		_
	Wall thickness (mm):		_
	Conditioning (test condition), (°C)		_
re,	Test flame according to IEC 60695-11-20 with conditions as set out	(a <sup>th</sup> (a <sup>th</sup>	N/A



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U6 <sup>23</sup>	/ IEC 62368-1		1622 1622
Clause	Requirement + Test	Result - Remark	Verdict
			(e <sup>2</sup>
	After every test specimen was not consumed completely	ر اور اور اور اور اور اور	N/A
	After fifth flame application, flame extinguished within 1 min		N/A
Т	MECHANICAL STRENGTH TESTS		N/A
T.1	General requirements		N/A
T.2	Steady force test, 10 N	(See appended table T.2)	√ N/A ✓
T.3	Steady force test, 30 N	(See appended table T3)	N/A
T.4	Steady force test, 100 N	(See appended table T4)	₩ N/A
T.5	Steady force test, 250 N	(See appended table T5)	N/A
T.6	Enclosure impact test	(See appended table T6)	N/A
	Fall test		N/A
	Swing test		N/A
T.7	Drop test:	(See appended table T7)	N/A
T.8	Stress relief test:	(See appended table T8)	N/A
T.9	Impact Test (glass)		N/A
T.9.1	General requirements	(6 /6 /6	N/A
T.9.2	Impact test and compliance		N/A
	Impact energy (J):		_
	Height (m):		_
T.10	Glass fragmentation test:	(See sub-clause 4.4.4.9)	N/A
T.11	Test for telescoping or rod antennas		N/A
	Torque value (Nm)		
U	MECHANICAL STRENGTH OF CATHODE RAY T AGAINST THE EFECTS OF IMPLOSION	UBES (CRT) AND PROTECTION	N/A
Ú.1 🧬	General requirements		<b>⊘</b> N/A ⊘
U.2	Compliance and test method for non-intrinsically protected CRTs		N/A
U.3	Protective Screen	(See Annex T)	N/A
V	DETERMINATION OF ACCESSIBLE PARTS (FIN	NGERS, PROBES AND WEDGES)	N/A
V.1	Accessible parts of equipment		N/A
V.2 🤌	Accessible part criterion	9 9 9 9 9	N/A



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www.c-star.v			gas (622) (622)
Clause	Requirement + Test	Result - Remark	Verdict

4.1.2	TABLE: List of critic	al components			Р
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformity1)
Adapter	ShengZhenTengDa Xing Electron Co.,Ltd	TDX-2404000	In 100-240v Out 24v 3A	BS EN 61558-1 BS EN 61558-2	DGE191113004 E
Power cord	Shenzhen Linyun Times Technology Co., Ltd.	SVT 18AWG/3C BLACK	AC 100-240V	DIN VDE-0620-	VDE certification
Internal wire	Shenzhen Guanli Linyi Products Co. LTD	1185, 2547, 1007	26AWG or 20AWG, 80 C	EN 62368-1	UL E346933 and tested with appliance
PCB	Fai Wong Electronic Pcb Co.	FW-4	V-0, 130°C, min. 1.0mm	EN 62368-1	UL E171766 and tested with appliance
Plastic enclosure	LG Chemical Ltd.	AF312C	V-0, 70°C, min. thickness: 1.5mm	EN 62368-1	UL E67171 and tested with appliance
Motor	DONGGUAN MOTION CONTROL TECHNOLOGY CO.,LTD	42HD	DC 2.7V	EN 62368-1	Tested with appliance

## **Supplementary information:**

<sup>1)</sup> Provided evidence ensures the agreed level of compliance. See OD-CB2039.



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/ / / / / / / IEC 62368-1 / / / / /								
Clause	Requirement + Test	Result - Remark	Verdict					

4.8.5	Ve Ve	te te te te	ve ve ve ve	ue ue
(The followi	ng mechanica	I tests are conducted in the seque	nce noted.)	
4.8.4.2	TABLE: St	ress Relief test		
Р	art	Material	Oven Temperature (°C)	Comments
e ve	ve" ve"	(a) (b) (b) (c)		U6 <sup>8</sup>
4.8.4.3	TABLE: Ba	ttery replacement test		_
Battery part	no	· · · · · · · · · · · · · · · · · · ·	re, re, re, re, re,	_
Battery Inst	allation/withdr	awal	Battery Installation/Removal Cycle	Comments
(0)	er ler	(e. (e. (e. (e.	1	Ve Ve
			2	· /
			3	(6)
			, 4 , p	
			5	(c)
			6 1	
			8	
			9 /	60° 60°
	50000000000000000000000000000000000000		10	
1.8.4.4	TABLE: Dro	op test		_
mpact Area	a	Drop Distance	Drop No.	Observations
(6	Le <sup>st</sup>	(6 <sup>67</sup> ) (6 <sup>67</sup> )	1 1 1 1 1 1	W W
e de la companya de		1 1 1 1	2 2	<i>j</i> 2 <i>j</i> 2
			3	
4.8.4.5	TABLE: Im	pact 🧳 🧳 🧳		_
Impacts p	er surface	Surface tested	Impact energy (Nm)	Comments
16000	der.	Letter Letter Letter		ue <sup>nth</sup> ue <sup>nth</sup>
06	16"			10 (10 miles)
4.8.4.6	TABLE: Cr	ush test		_
Test p	osition	Surface tested	Crushing Force (N)	Duration force applied (s)
	/ V / V V V / V / V / V / V / V / V / V			204444442044444447



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<b>6</b>	w w	/ / / IEC 62	2000-1	75
Clau	se	Requirement + Test	Result - Rem	nark Verdict
Ue <sup>nt</sup>	ue" ue"			
4.8.4, 4.8.5	TABLE	E: Lithium coin/button cell batteri	es mechanical tests	N/A
(The fo	llowing mecha	nical tests are conducted in the sequ	uence noted.)	
Supple	mentary inforn	nation:		
4.8.5	TABLE: Lit	hium coin/button cell batteries m	echanical test result	N/A
Tes	t position	Surface tested	Force (N)	Duration force applied (s)
<b>*</b>				
Zunnla.	mentary inforn	nation:		

5.2	Table: 0	Classification of	electrical energy	sources			16 18	P
5.2.2.2	– Steady Stat	te Voltage and C	urrent conditions					
	Cumply	Location (e.g.			Parameters			
No.	Supply Voltage	circuit designation)	Test conditions	U (Vrms or Vpk)	I (Apk or A	rms)	Hz	ES Class
1	230V MAX	Input to	Normal	230V MAX				
	u <sup>s</sup>	accessible	Abnormal	230V MAX	V6"	00	ve"	ES1
	te <sup>cent</sup> te <sup>c</sup>	parts	Single fault – SC/OC	230V MAX	6 <sup>12,2</sup> (6 <sup>2,2</sup> )	West of the second	· (6°22)	Walt
5.2.2.3	- Capacitance	Limits						
No.	Supply	Location (e.g.			Parameters			ES Class
	Voltage	designation)	T GGT GGTTGHIGGTG	Capacitance,	nF	Upk (	(V)	25 01455
(b	<del></del>		Normal	UE UE		00	Ve	<u> </u>
	us <sup>ses</sup> us	le <sup>12</sup> le <sup>12</sup>	Abnormal	1000	16 <sup>525</sup>	U6 <sup>529</sup>	Ue <sup>nth</sup>	(e <sup>z</sup>
	,	, ,	Single fault – SC/OC	 ,, ,, ,,				,
5.2.2.4	- Single Pulse	es						
	Supply	Location (e.g.		Parameters				
No.	Voltage	circuit designation)	Test conditions	Duration (ms)	Upk (V)	lp	k (mA)	ES Class
ue a	v <del>*</del>	1622	Normal	<u> </u>	- U6":*	1622	UE TO	16 16° 28°
			Abnormal		\$0000000000000000000000000000000000000			
	1682.5	e (e <sup>28</sup> te <sup>28</sup>	Single fault –	(6")	- 600	16	Le state	W.



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/ / / / / / / IEC 62368-1 / / / / / /								
Clause	Requirement + Test	Result - Remark	Verdict					

5.2.2.5	5 - Repetitive	Pulses					
N.	Supply	Location (e.g.	T		Parameters		F0.01
No.	Voltage	circuit designation)	Test conditions	Off time (ms)	Upk (V)	lpk (mA)	ES Class
(6"2"	105	e <sup>22</sup> ve <sup>23</sup> ve <sup>2</sup>	Normal	100" 101"	10**** 10***	1000000	Ut.
			Abnormal			==	
16823	General General	te <sup>nes</sup> te <sup>nes</sup>	Single fault – SC/OC	<u></u>	<u></u>	<u></u>	(Kennya (Kennya

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	measurer	ment	S	(6 <sup>8</sup>	ŲŠ.	(e <sup>e</sup>			P
(6 <sup>828</sup>	Supply voltage (V)	(6°25)	Ventage .	U6 STA	240V	DC	(6 <sup>000</sup>	240VDC	<u>116</u>	
*	Ambient T <sub>min</sub> (°C)			23.2	2	25.0	23.1	25.0		
QB QB Q	Ambient T <sub>max</sub> (°C)	(6)	:	23.3	3	25.0	23.2	25.0	V6	
Maximum meas	sured temperature T of pa	art/at:					T (°C	(C)		Allowe d T <sub>max</sub> (°C)
PCB	e ue ue ue	(6°°	ų,	6.4	16 ar	8.2	8.8	8.7	ue***	130
Plastic enclosur	re			9.3		9.1	9.5	9.4		70
Internal wire	e ve ve ve	(vi	6	8.2	ue"	10.0	8.6	9.5	V6	80
Power cord	, ,		23	5.2		6.5	5.8	6.9	, n	85
Button	No. No.	₩	Ų.	9.6	V	9.6	9.2	9.6	- (e	85
Supplementary	information:	, ,	16	, the state of the	Carlotte Carlotte					2 2
Temperature T	of winding:	t <sub>1</sub> (°C)	R <sub>1</sub>	(Ω)	t <sub>2</sub> (°C	C)	R <sub>2</sub> (Ω)	T (°C)	Allowed T <sub>max</sub> (°C)	Insulatio n class
Supplementary	information: N/A	* *		*	*					<i>y y</i>



C-Star				Page	e 42 o	of 64		Rep	ort N	o.: CstarVG	15C01L
(6"	(6 <sup>6</sup> 5.5)	(16 <sup>80.88</sup>	(6 <sup>8</sup> 2.8	<i>ℯ</i> IEC	6236	8-1	W. Carlotte	(6 <sup>81.8</sup> )	10.02.5	U6 <sup>n,*</sup>	(6 <sup>82,8</sup>
Clause	-	Requirem	nent +	Test			R	esult - R	lemar	·k	Verdict
5.4.1.10.2	TABLE: Vicat s	oftening	temp	perature o	f ther	mopla	stics	UE **		ut ut	N/A
Penetration	(mm)				:	Let's			W. 1827		
Object/ Part	t No./Material	w.	· ·	e (e			acturer/t mark	(6)	Ts	oftening (°C	;) (a)
supplement	ary information:		116	e de la companya de	1000	(ce <sup>ath</sup>		Restate the second	(C <sup>22</sup>	No.	i de la companya de l
5.4.1.10.3	TABLE: Ball pr	essure to	est of	thermopl	lastic	S	us <sup>o</sup>	ue <sup>22</sup>	06	Ne series	N/A
Allowed imp	oression diameter	(mm)			:						_
Object/Part	No./Material	Manufa	cturer	/trademark	k	Test	temperatu	re (°C)	Im	pression dia	imeter (mr
 Supplemen	tary information:	US <sup>SER®</sup>	(E <sup>83</sup>	(Canada	100000	(682.78	ue <sup>an</sup>	Water Property and the second	U6228	V682.8	16000000
	(cl) and creepage r) at/of/between:		Up (V)	U r.m.s.		quenc (Hz) <sup>1</sup>	Required			Required <sup>3</sup> cr (mm)	cr (mm)
1650		) (6 <sup>8</sup> 1.8)	Ų				W <sup>3</sup> W <sup>3</sup>	\$ (6 <sup>62</sup>		tones tones	West of the second
Note 1: Onl Note 2: See	tary information: by for frequency ale table 5.4.2.4 if the vide Material Gro	nis is bas	kHz ed on	electric st	rength	h test	(e <sup>max</sup>	Western Market State of the Sta	(16 <sup>32</sup> )		see se
5.4.2.3	TABLE: Minim	um Clea	rance	s distance	es us	ing red	guired wit	hstand	volta	ge	N/A
	Overvoltage Ca	2000000000000	X0000000			.*/					
	Pollution Degr	ee:			<del>(</del> ************************************	W.	- W	<u> </u>			W W
Clearance	distanced betwee	n:	R	equired wi voltag		nd	Require (mm)			Measured	cl (mm)
Supplemen	ntary information:	ue"	Ve Ve	(te <sup>30</sup>	ye <sup>s</sup>	U6"	UE	Ve <sup>2</sup>	100	V6	16" 16"
		<u>2000000000000000000000000000000000000</u>								<u> </u>	
5.4.2.4	TABLE: Cleara	nces ha	sed o	n electric	stron	ath te	st	16	<u> </u>	V6 V6	N/A

5.4.2.4	TABLE: Clearances base	d on electric strengt	h test	N/A
Test voltag	e applied between:	Required cl (mm)	Test voltage (kV) peak/ r.m.s. / d.c.	Breakdown Yes / No



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				IEC 62368	·1							
Clause		Requirem	ent + Test				Resu	lt - Rem	ark		Verdict	
(16 <sup>21</sup>	UE UE	ue" ue"	UE TO	U6 U6		DE STATE OF THE ST	U6	Ue <sup>nt</sup>	ue <sup>2</sup>	ue 18	06	
(16 <sup>0.35</sup>	ve <sup>ee</sup> v	e** ue**	UE NOTE TO SERVICE THE PROPERTY OF THE PROPERT	V6	U6 <sup>82.8</sup>	16828	ve <sup>2</sup>	06	UE <sup>ST</sup>	<b>X</b>	(6 <sup>82,8</sup>	
Supplemen	ntary informa	tion:										
16823	ue <sup>er®</sup>	ue <sup>35</sup> ue <sup>55</sup>	Ve <sup>n</sup> z*	16 <sup>8</sup> ************************************		DE TO	USTA	16021	U6 <sup>82</sup>	16 <sup>n</sup> r. <sup>8</sup>	De Contraction of the Contractio	
5.4.4.2,	TABLE: D	istance throug	gh insulat	ion measur	emen	ts					N/A	
5.4.4.5 c) 5.4.4.9	Le <sup>nan</sup> (r	genth (genth	16 <sup>925</sup> 16 <sup>925</sup>							•		
Distance th insulation d		Peak \		Frequen (kHz)	су	Mate	erial		red DTI nm)		DTI (mm)	
U6 <sup>52</sup>	UE <sup>nam</sup> UE <sup>nam</sup>	Le <sup>con</sup> Le <sup>con</sup>	US <sup>EA</sup>	0 5000 06000		ve <sup>z®</sup>	We <sup>nn</sup>	U6 <sup>82.5</sup>	Ų6 <sup>na®</sup>	LIO <sup>®23®</sup>	UE <sup>ZA</sup>	
Supplemen	tary informat	tion:										
, vo	UE <sup>NTA</sup> UI	e de la companya del companya de la companya del companya de la co	Ue Ue	us *	16 mr. is	06.25	(e <sup>e</sup>	, ve°	No.		16° 16°	
5.4.9	TABLE: El	ectric strengt	h tests								N/A	
Test voltage applied between:				Voltage shape Tes (AC, DC)			t voltage	∍ (V)		eakdown /es / No		
				, ,	,							
06	UE U	e <sup>der</sup>	ve ve	ue <sup>ee</sup>	16822	U6 <sup>m2</sup>	ue <sup>e</sup>	06	06		us" us"	
Supplement	tary informat	ion://	(e <sup>e</sup> <sup>12</sup>	16-2		te.	US <sup>ara</sup>	1682.5	U6 <sup>ness</sup>	10000	(de <sup>20</sup>	
5.5.2.2	TABLE: St	ored discharg	ie on capa	acitors				<b>,</b>	) <u>"</u>			
Supply Volt	tage (V), Hz	Test Location	Operatir Conditio (N, S)	ng Swi	tion			Voltage econds)		Clas	ssification	
UE .	ue ve	UE UE	U6	UE UE		QE BY	w	100	16	Ve <sup>2</sup>	U.	
	######################################	XX00XX00000000000000000000000000000000		, , , , , , , , , , , , , , , , , , ,								
Sunnlemen	itary informa	tion:	ve ve	Ve Control of the Con	UE TO	Ue Te	(e)	U.		<b>&gt;</b> 00000	us <sup>25</sup> us	
566656556666666	10000010000000000000	or testing are:										
	g resistor ra											
☐ ICX:												
Notes:	us <sup>aa</sup> u											
A. Test Loc												
		e to Phase; Ph	ase to Ear	th; and/or N	eutral	to Ear	th					
10000000 <del>.</del> 00000000000000000000000000000	000000000000000000	abbreviations:				١. ٥	o: .		11/1			
N – Normal	operating co	ondition (e.g., r	normal ope	eration, or op	en tus	se); S	–Single	e fault co	ondition			



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Clause	Requirement + Test	Result - Remark	Verdict

5.6.6.2	TABLE: Resistance of	protective cond	uctors and termina	tions	N/A
	Accessible part	Test current (A)	Duration (min)	Voltage drop (V)	Resistance (Ω)
Ve <sup>-5</sup>	<i></i>	(e <sup>st</sup>	Walter Control		100000
Suppleme	entary information:	e e		te <sup>2</sup>	

5.7.2.2, 5.7.4	TABLE: Earthed accessible conductive pa	ırt	N/A
Supply vo	ltage:		_
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)
(e <sup>nt</sup>		° ° 1 ° °	16
		2*	W. W.
		4 5	
		8	e de la company

## Supplementary Information:

## 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.



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/ IEC 62368-1 / / /							
Clause	Requirement + Test	Result - Remark	Verdict				

6.2.2	power sour	power sources (PS) measurements for classification						
Source	Description	Measureme	ent	Max Power after 3 s	Max Power after 5 s*)	PS Classification		
ve <sup>st</sup> ve <sup>s</sup>	US" (G	Power (W)	:	312.3	re <sub>es</sub> re <sub>es</sub>	W W		
Input	t Normal V <sub>A</sub> (V)		:	230		PS1		
	Garage (Garage	I <sub>A</sub> (A)	:	1.36	w <u></u>	Les		

Supplementary Information:

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

6.2.3.1	Table: Determination	n of Potential Igr	nition Sources (Arc	ing PIS)	N/A
	Location	Open circuit voltage After 3 s (Vp)	Measured r.m.s current (Irms)	Calculated value (V <sub>p</sub> x I <sub>rms</sub> )	Arcing PIS? Yes / No
		, h			

Supplementary information:

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

6.2.3.2	Table: Dete	ermination of Potentia	al Ignition Sour	N/A		
Circuit Lo	cation (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

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	// IEC 62368-		
Clause	Requirement + Test	Result - Remark	Verdict

## Supplementary Information:

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	h Pressure La	ımp	g g	<i>3</i>	35	and the same of th	N/A
Description	1			Va	lues	Energ	y Source C	lassification
Lamp type	e e		,j			<i>p</i> *	_	
	rer					0000 0000 0000 0000	_	
Cat no	<i></i>	,		<i>y</i>		0000 0000 0000 0000	_	
Pressure (	cold) (MPa)		:				MS_	
Pressure (	operating) (MPa	a)(a		16 <sup>828</sup> 16 <sup>828</sup>	UG U	62.75 106°2.75	MS_	U6 <sup>22</sup> U6 <sup>22</sup>
Operating	time (minutes)		:			00000 00000 00000	_	
Explosion	method	(e) <sup>2/2</sup>		e e	(e <sup>nt</sup> (e <sup>nt</sup>	00002 00002 00000 00000	_	
Max partic	le length escap	ing enclosure	(mm) .:				MS_	
Max partic	le length beyon	d 1 m (mm)	et in the second	16.25	uo" u	eris teris	MS_	le <sup>ars</sup> le <sup>ars</sup>
Overall res	ult							
Supplemer	ntary informatio	n: 🧽 🦽	ve <sup>ar</sup>	1623	le <sup>ns</sup>	erra leura	Le Cara	16***
B.2.5	TABLE: Inpu	ıt test	16825		le <sup>2</sup> le <sup>2</sup>	Ne state of the st	US <sup>nath</sup>	P
U (V)	I (A)	Irated (A)	P (W)	P rated (W)	Fuse No	I fuse (A)	Condition	on/status
5,00	<i>2</i> 1.97	2	9.85	16°25 - 16°25	(e <sup>2</sup> -	e* - (c*	Max nor	mal load
9	1.62	1.67	14.58	-	-	-	Max nor	mal load
Supplemen	ntary informatio	n:/	(e <sup>2</sup>	eeth leeth	ue ue e	(e <sup>n-2</sup>	Ue <sup>nth</sup> Ue <sup>nth</sup>	Qe <sup>28</sup>



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5. (6.5.5. (6.5.5.)	// IEC 62368-	1,622 623 623	
Clause	Requirement + Test	Result - Remark	Verdict

B.3	TABLE: Abnormal operating condition tests							N/A		
Ambient tem	perature (°C)				:	25	to to			_
Power source	e for EUT: Manuf	acturer, model	/type, outpu	ıt rating		See p	page 2	ne.	1000	_
Component I	No. Abnormal Condition	Supply voltage, (V)	Test time (ms)	Fuse no.		use T-couple Temp.				bservation
	20000000000000000000000000000000000000			***************************************		0		<b>W</b>		W N

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.

TAB	LE: Fault	condition tests								, P
npera	ture (°C) .				:	25				
ce for	EUT: Mai	nufacturer, mode	l/type, outp	ut rating	1	See p	age 2	U6" "	16825	_
No.	Fault Condition	Supply voltage, (V)	Test time (ms)	Fuse no.			T-couple	Temp (°C)	Ob	servation
	S-C	9VDC	10 mins		-	<b></b>		-1	can't	appliance work, no ird, no en
U6 <sup>66</sup>	S-C	9VDC	10 mins	<i>*</i> (	<i>-</i>	Tue series		> u	can't	appliance work, no ard, no
16 <sup>2</sup>	S-C	9VDC	10 mins	10 <sup>000</sup>	(K <sup>2</sup> )**	Ue <sup>sero</sup>	(e <sup>n-2</sup> )		can't	appliance work, no ard, no en
	S-C	9VDC	10 mins		(e <sup>2</sup> )	US <sup>SEL</sup>			can't	appliance work, no ard, no
	npera	nperature (°C) . ce for EUT: Mai No. Fault Condition S-C S-C	nperature (°C)	ce for EUT: Manufacturer, model/type, outpout No. Fault Condition Supply voltage, (V) Test time (ms)  S-C 9VDC 10 mins  S-C 9VDC 10 mins	nperature (°C)	nperature (°C)	nperature (°C)	nperature (°C)	See for EUT: Manufacturer, model/type, output rating . :   See page 2   See page	reperature (°C)



C-Star			Pa	age 48 of 6	64	R	eport No.:	CstarVG	15C01L
(6**	10°55° (1	10000	(6 <sup>22</sup> 1	EC 62368-	1,000	er le	(6"2"	U6 <sup>12</sup>	16°23
Clause		Requirer	nent + Test			Result	- Remark		Verdict
16	e <sup>2</sup> ve <sup>2</sup>	ue <sup>28</sup> ue <sup>28</sup>	Ve <sup>38</sup>	UE UE	DE TO	ue <sup>ster</sup>	UE UE UE	7 U6 17	De 28
Annex M	TABLE: Ba	atteries	00000000000000000000000000000000000000		56000000000000000000000000000000000000				N/A
The tests of	f An <mark>nex M</mark> a	e applicable	only when app	oropriate b	attery data	a is not ava	ailable	Ve <sup>nth</sup>	
ls it possible	e to install th	e battery in a	reverse polar	rity position	1?	:			
	Non	-rechargeable	e batteries		ı	Rechargea	ble batteri	es	
	Dis	charging	Un-	Cha	rging	Disch	arging	Reverse	ed charging
	Meas curren		intentional charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas.	Manuf. Specs.
Max. currer during norm condition		16 <sub>00</sub> 2	to <sup>ne</sup> to <sup>ne</sup>	Real	Unana U	S (S <sup>22</sup> )	1000	USTER	16 miles
Max. currer during fault condition	**************************************	West West	(6.02)	Open Control	UE.	(Re Print)	ue <sup>nt</sup>	1652.5	(e <sup>2</sup> )
Test results	00/000000000000000000000000000000000000			50000000000000000000000000000000000000		000000000000000000000000000000000000000	<u> </u>		Verdict
		DE DE	UE TO THE PERSON OF THE PERSON	ue <sup>ntri</sup> ue <sup>ntri</sup>	ve <sup>2</sup>	No Chemi	ral leaks	16	Verdict
- Chemical	<u> </u>	#2000000000000000000000000000000000000	00000000000000000000000000000000000000			No Explos	X0000000000000000000000000000000000000	battery	:0000000000000000000000000000000000000
<u>,                                     </u>	of the batter								
- Emission	of flame or e	xpulsion of m	olten metal	UE VE	W .	No Emiss expulsion		XX000000000000	ve ve
- Electric st	rength tests	of equipment	after complet	ion of tests	Ve <sup>n</sup>	No broker	1 <sub>00</sub> 20 00	e te <sup>nte</sup>	
Supplemen	tary informat	tion:					XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		
16 mm	Ve <sup>stall</sup>	gas <sup>a</sup> lie <sup>gas</sup>	16"2" 16"2"	UE <sup>ST.S.</sup>	Ve <sup>ee</sup> U	er to	(6 <sup>11.5</sup>	Ve <sup>st.®</sup>	1681.50 1681.50
Annex M.4	Table: Add	litional safeg	uards for equ	iipment co	ntaining	secondary	lithium	U6 <sup>arab</sup>	" N/A "∕
D. #.	n/Coll				Mea	surements			

Annex M.4	Table batter		tional safe	guards	for equi	pment co	ntair	ning seco	ondary	y lithium	US <sup>ect</sup>	* vé	N/A	
	ry/Cell		Test	conditio	ons		Measurements						Observation	
N	0.					U		I (A)		Temp (C)				
U6 <sup>028</sup>	1 100000	1800	Normal	(16)117	(lo <sup>m2,2</sup>	U6 <sup>32</sup>	U6 <sup>0278</sup>	Ue <sup>star</sup>	(16 <sup>mil</sup>	Uo <sup>nan</sup>	Ue <sup>n2</sup>	Ų.	te <sup>ss</sup>	
	1		Single fau	It -SC										
(6 <sup>812)</sup>	1	te <sup>sta</sup>	Abnormal	Ų	gr <sup>e</sup> vé	U6 <sup>87</sup>		ue u		De la companya de la	(16 <sup>31</sup>	(le <sup>mble</sup>	VE -	
Supplement	ary Info	ormatio		US TO	(6 <sup>00,200</sup>	ue <sup>nt</sup>	16822	16.28	Ve <sup>ns</sup>	(6 <sup>n2.8</sup>	U6 <sup>ST</sup>	<b>)</b>	us. Vest	
Battery identificat		7	rging at lowest °C)		Observa	ation		Charging T <sub>highes</sub> (°C)			Obs	ervatior	1	
<i>i</i>	10075	(K <sub>S</sub> )	) (e)	Ne said	6	Carlot Carlot	622	6		(6)	US <sup>ST</sup>	<b>*</b>	5. <sup>35</sup> (6.92	
	9999999													



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www.c-star.vip			(6 <sup>828</sup> (6 <sup>828</sup>
Clause	Requirement + Test	Result - Remark	Verdict

Battery identification	Charging at T <sub>lowest</sub> (°C)	Observation	Charging at T <sub>highest</sub> (°C)	Observation
Supplementary In	formation:			

Annex Q.1	TABLE: Circuits inte	nded for interco	nnection with	building wirin	g (LPS)	N/A		
Note: Meas	sured UOC (V) with all lo	oad circuits disco	nnected:					
Output	Components	U <sub>oc</sub> (V)	I <sub>sc</sub>	(A)	S (VA)			
Circuit			Meas.	Limit	Meas.	Limit		
W <sup>2</sup>		u <sup>a</sup> u <sup>a</sup>	y contract to	e <sup>b</sup>	16 <sup>22</sup> 16 <sup>22</sup>	Le <sup>nt</sup> Le <sup>nt</sup>		
	tary Information:	Marin Marin		Garden Garden	Waste Canal	and the second		

T.2, T.3, T.4, T.5	TABL	E: Stead	y force	test	(6822)	W.	Was a	US. S.	16"2"	(16 <sup>52)5</sup>	(e <sup>gra</sup>	N West	I/A
Part/Loca	tion	Mate	erial		kness nm)		Force (N)	Te	est Dura (sec)	tion	Ob	servation	1
	ue <sup>n 2</sup>	16823	Le <sup>nth</sup>	1600	16.25	US <sup>12</sup>	(K <sup>aza</sup>	u at	W. The state of th	(e <sup>eee</sup>	UE TO THE TOTAL PROPERTY OF THE PROPERTY OF TH	(e <sup>2-2</sup>	us and
Supplement	tary info	ormation:		1				Legistra Company	J.				

Part/Location Material		rial	Thickness (mm)		Vertical distance (mm)		Observation				
Ve Ve	(6)	fo.	ŲE Ų		Ue (Ve	Ų.	QE	Ų0	ye	Ve	1000000000 100000000000000000000000000
	le l	0	(e <sup>2</sup>	(ve <sup>ne</sup>		(e	(e <sup>co</sup>	(e <sup>22</sup>	Us.	6	(e <sup>2</sup>

T.7	TABLE: Drop tests								N/A	
-----	-------------------	--	--	--	--	--	--	--	-----	--



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www.c-stan.vip	<i>"</i> IEC 62368-		le <sup>nt</sup> le <sup>nt</sup>
Clause	Requirement + Test	Result - Remark	Verdict

Part/Location	Material	Thickness (mm)	Drop Height (mm)	Observation
ve" ve" ve"	W W	Ve" Ve"	Ve" Ve"	
(6 <sub>2</sub> 2, (6 <sub>2</sub> 2,	W W	e e	E (8)	
Supplementary in	formation:	<u>*</u>	<i>*</i>	

T.8 TABL	E: Stress relief	test			N/A
Part/Location	Material	Thickness (mm)	Oven Temperature (°C)	Duration (h)	Observation
Supplementary info	ormation:	(6 <sup>2</sup> )	(e <sup>1</sup> ) (e <sup>2</sup> )	16.00° 16.00°	



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	<i>№</i> IEC 62368-	1,00 ,00 ,00 ,00	
Clause	Requirement + Test	Result - Remark	Verdict

-Appendix 1: For requirements of European group differences.

	MENT TO TEST REPORT IEC 62	X3:55:58:58:58	DENOCE			
	DIFFERENCES AND NATIONAL					
(Audio/video, information and co	mmunication technology equipme	ent Part	1: Safet	y require	ements)	
Differences according to	EN 62368-1:2014+A11:2017					
Attachment Form No	EU_GD_IEC62368_1B_II					200000
Attachment Originator:	Nemko AS					
Master Attachment	Date 2017-09-22					
Copyright © 2017 IEC System of Confo	rmity Assessment Schemes for	Electro	otechnic	al Equi	pment	and
Components (IECEE)	Te Ve Ve Ve			QB* •	• V6	

	CENELEC C	COMMON MOD	DIFICATION	NS (EN)				-
		clauses, notes, :2014 are prefix		ires and annexes	which are ac	Iditional to those	in	(6 <sup>21</sup> )
CONTENTS	Add the follo	wing annexes:	00000000000000000000000000000000000000					N/A
	Annex ZA (no Annex ZB (no Annex ZC (in Annex ZD (in	ormative) nformative)	with the Speci A-dev	ative references neir correspondin al national condit riations nd CENELEC co	ng European p ions	oublications		
ve <sup>2</sup> ve <sup>2</sup>	<b>Delete</b> all the to the followi		s in the ref	erence documen	t (IEC 62368-	1:2014) accordi	ng	N/A
	0.2.1	Note	1	Note 3	4.1.15	Note		U6"2" U6"
	4.7.3	Note 1 and 2	5.2.2.2	Note	5.4.2.3.2.2 Table 13	Note c		(6 <sup>02,0</sup>
	5.4.2.3.2.4	Note 1 and 3	5.4.2.5	Note 2	5.4.5.1	Note	1682.5	ve <sup>2</sup>
	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		, legan
	10.5.3	Note 2	10.6.2.1	Note 3	F.3.3.6	Note 3	1682	UE.
UE TO	For special r	national condition	ons, see Ar	nnex ZB.	ue" ue"	16 16 16		N/A
1 16 <sup>525</sup> 66		100120000000000000000		rical and electronic	» (6 <sup>12</sup> )*	re <sub>no</sub>	tie se	N/A



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6°2" (6°2"	/ IEC 62368-1									
Clause	Requirement + Test		Re	sult -	- Ren	nark			V	erdict
16			ue <sup>37</sup>	20000	U6 <sup>813</sup>	U6 <sup>6</sup>	Ž	us <sup>17</sup>		DE
4.Z1	Add the following new subclause after 4.9:									N/A
	To protect against excessive current, short-circuits and earth faults in circuits connected to an a.c. <b>mains</b> , protective devices shall be included either as integral parts of the equipment or as parts of the building installation, subject to the following, a), b) and c):	W <sup>52,8</sup>							(6°22)	
	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;	16878							1682	
	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;	W. S.							1682.5	
	c) it is permitted for <b>pluggable equipment type B</b> or <b>permanently connected equipment</b> , 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.	US STATE							U6 <sup>228</sup>	
	If reliance is placed on protection in the building installation, the installation instructions shall so state, except that for <b>pluggable equipment type A</b> the building installation shall be regarded as providing protection in accordance with the rating of the wall socket outlet.	Ve <sup>sess</sup>							W <sup>2</sup>	
5.4.2.3.2.4	Add the following to the end of this subclause:									N/A
e <sup>grab</sup> (S <sup>rab</sup>	The requirement for interconnection with <b>external circuit</b> is in addition given in EN 50491-3:2009.	16000							V6228	ué"
10.2.1	Add the following to c) and d) in table 39: For additional requirements, see 10.5.1.	U6 <sup>0,00</sup>	<u>8000000000000000000000000000000000000</u>	16,18		62	QE TE		U6 <sup>32,3</sup>	N/A



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(6"2"	// // // IEC 62368-1	U6 <sup>03,0</sup>		QE <sup>STAN</sup>		16°23		UE TO		16 23	Ve and
Clause	Requirement + Test		Re	sult	- Re	emai	rk			V	erdict
ve" ve			UE		UE TO		U6 <sup>m2</sup>		UE IN		DE T
10.5.1	Add the following after the first paragraph:										N/A
	For RS 1 compliance is checked by measurement under the following conditions:	U6 <sup>323</sup>								(16 <sup>30,2</sup> 5	
	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.	16923								1692	
	NOTE Z1 Soldered joints and paint lockings are examples of adequate locking.	UG STATE								UC 22.5	
	The dose-rate is determined by means of a radiation monitor with an effective area of 10 cm <sup>2</sup> , at any point 10 cm from the outer surface of the apparatus.										
	Moreover, the measurement shall be made under fault conditions causing an increase of the high-voltage, provided an intelligible picture is maintained for 1 h, at the end of which the measurement is made.	US. T. S.								16"15	
	For RS1, the dose-rate shall not exceed 1 µSv/h taking account of the background level.										
lester lester	NOTE Z2 These values appear in Directive 96/29/Euratom of 13 May 1996.	16829		Vesta		06.02.9		UE TO		(6 <sup>92.9</sup>	16529
10.6.1	Add the following paragraph to the end of the subclause:										N/A
	EN 71-1:2011, 4.20 and the related tests methods and measurement distances apply.										
10.Z1	Add the following new subclause after 10.6.5.	U6 <sup>022</sup>	200000 200000 200000	U6"2"	90000 00000 00000	(16 <sup>0</sup> 1)		U6 <sup>915</sup>		06.22	N/A
	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 Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the Council Recommendation is regulated by European Recommendation in the Council Recommendation is regulated by European Recommendation is regulated by European Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the Council Recommendation 1999/519/EC of 12 July 1999 on the limitation of exposure of the Council Recommendation 1999/519/EC of 12 July 1999/519/EC of 1	V6								V6	
	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	U6 <sup>22,28</sup>								(6°222	
ve <sup>ete</sup> ve	devices, attention is drawn to EN 50360 and EN 50566		VE 12		Ve are		U6 <sup>mass</sup>		Ve <sup>sta</sup>		DE
G.7.1	Add the following note:										N/A
	NOTE Z1 The harmonized code designations corresponding to the IEC cord types are given in Annex ZD.	U6928		Ve		06925		U6 mark		16,33	16.00



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	Doguiroment / Test	Dozult F	) omerle		17-	rdi-4
Clause	Requirement + Test	Result - F	kemark		Ve	erdict
Bibliography	Add the following standards:	∪6° ∪6°	6			N/A
	Add the following notes for the standards indicated:					
	IEC 60130-9 NOTE Harmonized as EN 60130-9.				1682	
	IEC 60269-2 NOTE Harmonized as HD 60269-2.					
	IEC 60309-1 NOTE Harmonized as EN 60309-1.					
	IEC 60364 NOTE some parts harmonized in HD 3	384/HD 60364	series.			
	IEC 60601-2-4 NOTE Harmonized as EN 60601-2-4.					
	IEC 60664-5 NOTE Harmonized as EN 60664-5.				00	
	IEC 61032:1997 NOTE Harmonized as EN 61032:1998	(not modified	).		X 366666 X 27777	
	IEC 61508-1 NOTE Harmonized as EN 61508-1.	De <sup>mark</sup> De <sup>mark</sup>	(te <sup>nam</sup>		1682	
	IEC 61558-2-1 NOTE Harmonized as EN 61558-2-1.					
	IEC 61558-2-4 NOTE Harmonized as EN 61558-2-4.					
	IEC 61558-2-6 NOTE Harmonized as EN 61558-2-6.					
	IEC 61643-1 NOTE Harmonized as EN 61643-1.					
	IEC 61643-21 NOTE Harmonized as EN 61643-21.				16 <sup>82</sup>	
	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.					
<u>*</u>		<i>3</i>				
<b>'B</b>	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)	V6	06	Ų6"		N/A 🎻
1.1.15	Denmark, Finland, Norway and Sweden					N/A
	To the end of the subclause the following is added:					
	Class I pluggable equipment type A intended for					
	connection to other equipment or a network shall, if safety relies on connection to reliable earthing or if				()6°2.3°	
	surge suppressors are connected between the network					
	terminals and <b>accessible</b> parts, have a marking stating					
	that the equipment shall be connected to an earthed				U6 <sup>22</sup>	
	mains socket-outlet.					
	The marking text in the applicable countries shall be as follows:					
	In <b>Denmark</b> : "Apparatets stikprop skal tilsluttes en					
	stikkontakt med jord som giver forbindelse til					
	stikproppens jord."				00	
	In <b>Finland</b> : "Laite on liitettävä suojakoskettimilla					
	varustettuun pistorasiaan"					
	In <b>Norway</b> : "Apparatet må tilkoples jordet stikkontakt"					
*	In <b>Sweden</b> : "Apparaten skall anslutas till jordat uttag"			2	, a 2 %	
.7.3	United Kingdom					N/A
	To the end of the subclause the following is added:					
	The torque test is performed using a socket-outlet					
	complying with DC 1262, and the plug port shall be				90 900	
	complying with BS 1363, and the plug part shall be assessed to the relevant clauses of BS 1363. Also see					



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U6 U6	/ IEC 62368-1	Ue"		(6"		(t)		Ųė"		16		Ų6 <sup>®</sup>
Clause	Requirement + Test		Re	sult	- Re	emai	rk			V	erdi	ct —
5.2.2.2	Denmark After the 2nd paragraph add the following:		UE"		UE C		U6		tie e		N/A	
	A warning (marking <b>safeguard</b> ) for high <b>touch current</b> is required if the <b>touch current</b> exceeds the limits of 3,5 mA a.c. or 10 mA d.c.									(W		
5.4.11.1 and	Finland and Sweden		X0000X X000XX X000XX			90000					N/A	ι .
Annex G	To the end of the subclause the following is added:											
	For separation of the telecommunication network from earth the following is applicable:	U6								QO"		
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	Veneza								to and		
	two layers of thin sheet material, each ofwhich shall pass the electric strength test below, or											
	• one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	Ue <sup>na</sup>								(16 <sup>32,3</sup>		
	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	16 miles								(6 <sup>82.8</sup>		
	• 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	16 marsh								(16°22°		
	• is subject to routine testing for electric strength during manufacturing, using a test voltage of 1,5kV.	Ve <sup>nzit</sup>								UG TER		
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.											
	A capacitor classified Y3 according to EN 60384- 14:2005, may bridge this insulation under the following conditions:											
	the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14,	ue <sup>sal</sup>								00022		
	which in addition to the Y3 testing, is tested with an impulse test of 2,5 kV defined in 5.4.11;											
	• the additional testing shall be performed on all the test specimens as described in EN 60384-14;	U6 <sup>nas</sup>								Wash		
	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.											



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	/ IEC 62368-1									
Clause	Requirement + Test		Re	sult	- Re	mai	k			Verdict
ue ue			UE STEEL		UE TO		UE <sup>nno</sup>		UE DE	06
5.5.2.1	Norway After the 3rd paragraph the following is added:	62								N/A
	Due to the IT power system used, capacitors are required to be rated for the applicable line-to-line voltage (230 V).	Ve*								(6° (6
5.5.6	Finland, Norway and Sweden									N/A
	To the end of the subclause the following is added:									
	Resistors used as <b>basic safeguard</b> or bridging <b>basic insulation</b> in <b>class I pluggable equipment type A</b> shall comply with G.10.1 and the test of G.10.2.	V6								16" (6"
5.6.1	Denmark	100		V6"		Qe"		ye <sup>**</sup>		N/A
7.0.1	Add to the end of the subclause									14//
	Due to many existing installations where the socket- outlets can be protected with fuses with higher rating									(E)
	than the rating of the socket-outlets the protection for pluggable equipment type A shall be an integral part of the equipment.	U6 <sup>020</sup>								(6 <sup>823)</sup> (6
	Justification: In Denmark an existing 13 A socket outlet can be protected by a 20 A fuse.									W <sup>ab</sup>
5.6.4.2.1	Ireland and United Kingdom	U6 <sup>820</sup>	) ) ) ) ) ) ) ) )	Ve <sup>sta</sup>		00		US <sup>SPE</sup>		N/A
	After the indent for <b>pluggable equipment type A</b> , the following is added:	<b>,</b>								ue <sup>25</sup>
	<ul> <li>the protective current rating is taken to be 13 A, this being the largest rating of fuse used in the mains plug.</li> </ul>	5								
5.6.5.1	To the second paragraph the following is added:	U6 <sup>899</sup>								N/A
	The range of conductor sizes of flexible cords to be accepted by terminals for equipment with a rated	(10 <sup>10</sup> 23).								1682.5
	current over 10 A and up to and including 13 A is: 1,25 mm <sup>2</sup> to 1,5 mm <sup>2</sup> in cross-sectional area.									
5.7.5	Denmark		UG		Ve <sup>®</sup>		U6 <sup>50</sup>		U6 <sup>377</sup>	N/A
	To the end of the subclause the following is added:									
	The installation instruction shall be affixed to the equipment if the <b>protective conductor current</b> exceeds the limits of 3,5 mA a.c. or 10 mA d.c.	De marie								le <sup>22</sup>



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	/ IEC 62368-1											
Clause	Requirement + Test		Re	sult	- Re	ema	rk			Ve	erdic	ct
5.7.6.1	Norway and Sweden		_U6 <sup>***</sup>		U6 <sup>m22m</sup>		UE T		ve -		N/A	
	To the end of the subclause the following is added: The screen of the television distribution system is	Ve <sup>ss</sup>								U6 <sup>m2.8</sup>		
	normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building. Therefore the protective earthing of the building installation needs to be isolated from the screen of a cable distribution system.											
	It is however accepted to provide the insulation external to the equipment by an adapter or an interconnection cable with galvanic isolator, which may be provided by a retailer, for example.	ve <sup>st</sup>								ve" ve"		
	The user manual shall then have the following or similar information in Norwegian and Swedish language respectively, depending on in what country the equipment is intended to be used in:											
	"Apparatus connected to the protective earthing of the building installation through the mains connection or through other apparatus with a connection to protective earthing – and to a television distribution system using coaxial cable, may in some circumstances create a fire	US TO										
	hazard. Connection to a television distribution system therefore has to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11)"	US								Ue 3.		
	NOTE In Norway, due to regulation for CATV-installations, and in Sweden, a galvanic isolator shall provide electrical insulation below 5 MHz. The insulation shall withstand a dielectric strength of 1,5 kV r.m.s., 50 Hz or 60 Hz, for 1 min.	U6 <sup>87.8</sup>								UC TO SERVICE		
	Translation to Norwegian (the Swedish text will also be accepted in Norway):  "Apparater som er koplet til beskyttelsesjord via	V6 <sup>823</sup>								UG <sup>MAS</sup>		
	nettplugg og/eller via annet jordtilkoplet utstyr – og er tilkoplet et koaksialbasert kabel-TV nett, kan forårsake brannfare. For å unngå dette skal det ved tilkopling av apparater til kabel-TV nett installeres en galvanisk isolator mellom apparatet og kabel-TV nettet."											
	Translation to Swedish: "Apparater som är kopplad till skyddsjord via jordat vägguttag och/eller via annan utrustning och samtidigt	ŲĐ								Ve		
·* (6°°	är kopplad till kabel-TV nät kan i vissa fall medfőra risk főr brand. Főr att undvika detta skall vid anslutning av apparaten till kabel-TV nät galvanisk isolator finnas mellan apparaten och kabel-TV nätet.".	UG <sup>NIN</sup>		Ve <sup>nt</sup>		06823		Ų6 <sup>5</sup>		W.		ŲŠ.
5.7.6.2	Denmark		U6 <sup>82,8</sup>		16"2"		Q6 <sup>th</sup> 2.		V6"1.5		N/A	
	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.	U6"3"								(e <sup>ara</sup>		



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e <sup>eee</sup> ve	/ IEC 62368-1	10000		U6 <sup>812</sup>		06 <sup>82,8</sup>		UG TO	,	16	Ų
Clause	Requirement + Test		Re	sult	- Re	emai	rk			V	erdict
B.3.1 and	Ireland and United Kingdom		UE .		U6 <sup>®</sup>		DE		UE		N/A
B.4	The following is applicable:  To protect against excessive currents and short-circuits in the primary circuit of <b>direct plug-in equipment</b> , tests	U6 <sup>82,9</sup>								(6 <sup>82,8</sup>	
	according to Annexes B.3.1 and B.4 shall be conducted using an external miniature circuit breaker complying with EN 60898-1, Type B, rated 32A. If the equipment does not pass these tests, suitable protective devices										
	shall be included as an integral part of the <b>direct plug- in equipment</b> , until the requirements of Annexes B.3.1 and B.4 are met	U6 <sup>ne</sup>								16000	
G.4.2	Denmark	100		100		- DO		Dev		100	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.	UE <sup>STA</sup>								16 212	
	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.	1682.8								(6 <sup>92,8</sup>	
	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.	US TO SERVICE								100000	
	Other current rating socket outlets shall be in compliance with Standard Sheet DKA 1-3a or DKA 1-1c.	U6 <sup>nza</sup>								16923	
	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	U6 <sup>92,9</sup>								16823	
6.4.2	United Kingdom										N/A
	To the end of the subclause the following is added:										
	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.	U6 <sup>82.9</sup>								16"2"	
	Where the metal earth pin is replaced by an Insulated Shutter Opening Device (ISOD), the requirements of clauses 22.2 and 23 also apply.										



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ue" ue"	/ IEC 62368-1	V6 <sup>000</sup>		(6 <sup>82</sup>		(16 <sup>0,3</sup>		ŲŠ <sup>T</sup>		16,22	tie ge
Clause	Requirement + Test		Re	sult -	Re	mar	k			Ve	erdict
			U6		UE TO		U6 <sup>m²</sup>		U6 <sup>01</sup>		U. The second
G.7.1	United Kingdom	000000									N/A
	To the first paragraph the following is added:	U6 <sup>93</sup>									
	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								06"		
	accordance with the Plugs and Sockets etc (Safety)										
	Regulations 1994, Statutory Instrument 1994 No. 1768, unless exempted by those regulations.	06875									
	NOTE "Standard plug" is defined in SI 1768:1994 and essentially										
	means an approved plug conforming to BS 1363 or an approved conversion plug.	De <sup>n a</sup>									
G.7.1								<u>280000</u>			N/A
G.7.1	Ireland  To the first paragraph the following is added:										IN/A
	To the first paragraph the following is added: Apparatus which is fitted with a flexible cable or cord								V6"		
	shall be provided with a plug in accordance with										
	Statutory Instrument 525: 1997, "13 A Plugs and	06000									
	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								100		
	relevant Irish Standard										
G.7.2	Ireland and United Kingdom										N/A
	To the first paragraph the following is added:	Ue .									
	A power supply cord with a conductor of 1,25 mm <sup>2</sup> is										
	allowed for equipment which is rated over 10 A and up								16 <sub>022</sub>		
70	to and including 13 A.										NI/A
ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)	160000	200000 200000	UE <sup>ntro</sup>		U6 <sup>07</sup>		U6 <sup>00</sup>		00	N/A
10.5.2	Germany										N/A
	The following requirement applies:	U6 <sup>0279</sup>									
	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.										
	Justification: German ministerial decree against ionizing radiation	U6 <sup>82</sup>									
	(Röntgenverordnung), in force since 2002-07-01,										
	implementing the European Directive								UE TO		
	96/29/EURATOM.										
	NOTE Contact address:	00000							5 X2 2 2 2 3 3 3		
	Physikalisch-Technische Bundesanstalt, Bundesallee 100,										
		U6 <sup>92</sup>									



-Appendix 2: Photo document.





Photo 2:





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Photo 4:















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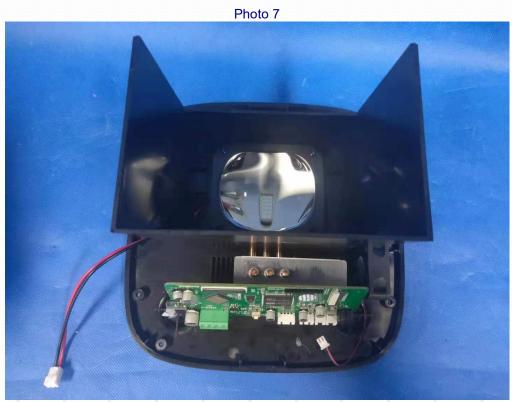
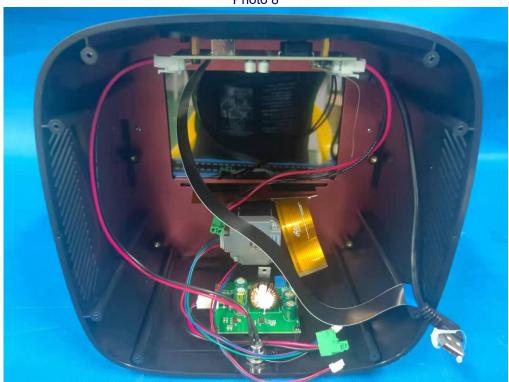


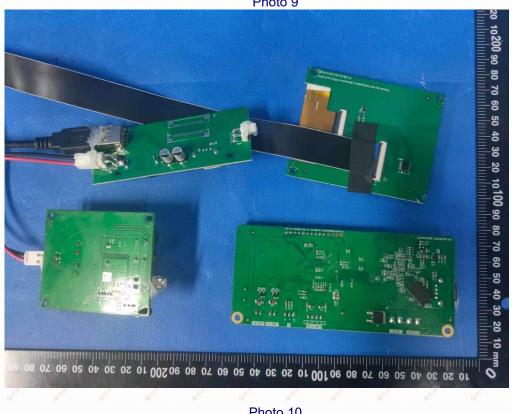
Photo 8





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Photo 9







-End of report ---