

Safety Test Report

Report No.: AGC10128170920ES01

PRODUCT DESIGNATION: Colorful Bluetooth Earbuds

BRAND NAME : N/A

MODEL NAME : XO-9277-1

CLIENT :

DATE OF ISSUE : Sept.20, 2017

STANDARD(S) : EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

REPORT VERSION: V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd.

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TEST REPORT

EN 60050-1

	EN 60930-1	
Inforn	nation technology equip Part 1: General require	
Report Reference No:	AGC10128170920ES01	700 VO
		10 1 0
Tested by (+ signature):	Devin Ren	Deurn Ken
	The Committee of the Co	and and
Reviewed by (+ signature)	Jenny Li	Devin Ren Jennyli mette He
	100	9 9
Approved by (+signature):	Matte He	ملا ملا
	(Authorized Officer)	meto re
Date of issue:	Sept. 20, 2017	
Contents	Total 52 pages.	
Testing laboratory	TIM.	· 环境
Name:	Attestation of Global Compli	ance (Shenzhen) Co., Ltd.
Address	2/F., Building 2, No.1-No.4,	Chaxi Sanwei Technical Industrial Park,
		rict, Shenzhen, Guangdong, China
Testing location:	Same as above.	The state of the s
Manufacturer		
Name:		
Address:		
Factory		也是 其我是 工具等
Name:		
Name		
Address		
Address:		FCC FCC
Address: Test specification	EN 60950-1:2006+A11:2009	0+A1:2010+A12:2011+A2:2013
Address: Test specification Standard:		9+A1:2010+A12:2011+A2:2013
Address :: Test specification Standard :: Test procedure ::	Type test	9+A1:2010+A12:2011+A2:2013
Address :: Test specification Standard :: Test procedure :: Procedure deviation ::	Type test N/A	9+A1:2010+A12:2011+A2:2013
Address :: Test specification Standard :: Test procedure ::	Type test N/A	9+A1:2010+A12:2011+A2:2013
Address :: Test specification Standard :: Test procedure :: Procedure deviation ::	Type test N/A N/A	9+A1:2010+A12:2011+A2:2013
Address: Test specification Standard: Test procedure: Procedure deviation: Non-standard test method:	Type test N/A N/A	9+A1:2010+A12:2011+A2:2013
Address :: Test specification Standard :: Test procedure :: Procedure deviation :: Non-standard test method :: Test Report Form/blank test report	Type test N/A N/A AGC60950A8	9+A1:2010+A12:2011+A2:2013

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Test item	C C C
Product designation Colorful Blueto	oth Earbuds
Brand name N/A	
Test model XO-9277-1	A THE RESERVE OF THE PARTY OF T
Series model N/A	GO GO
Rating(s) 5.0V == , 0.5A	(Supplied by USB port)
Particulars	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Equipment mobility:	
Connection to the mains:	□pluggable equipment □ type A □type B □permanent connection
-C	☐ detachable power supply cord ☐ non-detachable power supply cord
	⊠not directly connected to the mains
Operating condition::	⊠continuous
C. S. C. C.	☐rated operating/ resting time: ☐operator accessible
Access location:	restricted access location
Over voltage category(OVC):	OVC I □OVC II □OVC III □OVC IV ☑other
Mains supply tolerance(%) or absolute mains supply values:	N/A
Tested for IT power systems::	∐Yes ⊠No
IT testing, phase-phase voltage(V)::	N/A
Class of Equipment:	
Considered current rating of protective device as part of the building installation (A):	t N/A
Pollution degree(PD):	□PD 1 □PD3
Protection against ingress of water:	IPX0
Altitude during operation (m):	2000m
Altitude of test laboratory (m):	<500m
Mass of equipment (kg):	Less 2kg
Test case verdicts	- C
Test case does not apply to the test object:	N (/A)
Test item does meet the requirement:	P (ass)
Test item does not meet the requirement:	F (ail)
Testing	C C C C C
Date of receipt of test item	: Aug. 19, 2017
Date(s) of performance of test	: Aug. 19 – Sept. 20, 2017

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Attachment

Attachment A..... Photos of product

General remarks

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

"(See remark #)" refers to a remark appended to the report.

"(See appended table)" refers to a table appended to the report.

Throughout this report a comma is used as the decimal separator.

Report Revise Record:				
Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	1	2017-09-20	Valid	Original report

General product information

The product supplied by build-in Lithium-ion button cell, and charged from Micro-B USB port and is considered moveable and Class III (supplied by SELV).

Instructions and equipment marking related to safety is applied in the language that is acceptable in the country in which the equipment is to be sold.

The product was submitted and tested for use at the manufacturer's recommended ambient temperature (Tma) of

Summary of testing

The test item passed.

Copy of marking plates

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.



Remark:

- 1) The CE marking and WEEE symbol (if any) should be at least 5mm and 7mm respectively in height.
- 2) The markings and instructions are the minimum requirements required by safety standard. For final production samples, the additional markings which do not give rise to misunderstanding may be added.
- 3) As declared by the applicant, the importer (and manufacturer, if it is different)'s name, registered trade name or mark and the postal address will be marked on the products before being place on the market.
- 4) Marking on the packaging or in a document accompanying the electrical equipment is only acceptable if it is not possible to place such markings on the product.

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EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict	
		the state of the s	F Wash	
1	GENERAL	C C	Р	
大枪				
1.5	Components		P	
1.5.1	General	在那	P	
	Comply with IEC 60950 or relevant component standard	Components which were found to affect safety aspects comply with the requirements of this standard or with the safety aspects of the relevant IEC/EN component standards. (see appended table 1.5.1)	The state of the s	
1.5.2	Evaluation and testing of components	Components which are certified to IEC/EN and/or national standards are used correctly within their ratings. Components not covered by IEC/EN standards are tested under the conditions present in the equipment.	PC	
1.5.3	Thermal controls	No any thermal controls.	N	
1.5.4	Transformers	No transformers.	N	
1.5.5	Interconnecting cables	Cable to other unit is carrying only SELV voltages on and energy level below 240VA	Р	
1.5.6	Capacitors bridging insulation	No such capacitor.	N	
1.5.7	Resistors bridging insulation	No such components.	N	
1.5.7.1	Resistors bridging functional, basic or supplementary insulation		N	
1.5.7.2	Resistors bridging double or reinforced insulation between a.c. mains and other circuits	SCO SCO	N	
1.5.7.3	Resistors bridging double or reinforced insulation between a.c. mains antenna or coaxial cable	不是想 第五天	N	
1.5.8	Components in equipment for IT power systems	10 LO	N	
1.5.9	Surge suppressors	No such parts.	N	
1.5.9.1	General	- in	N	
1.5.9.2	Protection of VDRs	The state of the s	N	
1.5.9.3	Bridging of functional insulation by a VDR	C . CO	N	
1.5.9.4	Bridging of basic insulation by a VDR	100 P	N	
1.5.9.5	Bridging of supplementary, double or reinforced insulation by a VDR	E RELL	N	

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EN 60950-1					
Clause	Clause Requirement – Test Result – Remark				
1.6	Power interface	· · · · · · · · · · · · · · · · · · ·	P		
1.6.1	AC power distribution systems	No direct mains connection.	N		
1.6.2	Input current	(See appended table 1.6.2)	Р		
1.6.3	Voltage limit of hand-held equipment	0 10	N		
1.6.4	Neutral conductor	Class III equipment, no neutral conductor.	N		

1.7	Marking and instructions		Р
1.7.1	Power rating	See below	P
30	Rated voltage(s) or voltage range(s) (V)	5.0V(no show)	
1位	Symbol for nature of supply, for d.c. only	= (no show)	
The state of the s	Rated frequency or rated frequency range (Hz):	GO	
100000	Rated current (mA or A):	0.5A (no show)	
1.7.1.2	Identification markings	The state of the s	P
	Manufacturer's name or trademark or identification mark	Dongguan Xing Yue Electronic co., Ltd	
一年 The com	Type/model or type reference:	XO-9277-1	
No. of Contract of	Symbol for Class II equipment only:	Class III equipment	
	Other marking and symbols:	See marking plate.	
1.7.1.3	Use of graphical symbols	60, 100	Р
1.7.2	Safety instructions and marking	Provided	Р
1.7.2.1	General	See below.	P
1.7.2.2	Disconnect devices	No such devices	N
1.7.2.3	Overcurrent protective device	30, 30	N
1.7.2.4	IT power distribution systems		N
1.7.2.5	Operator access with a tool	T. T. Ten	N
1.7.2.6	Ozone	T. T. Carlotte	N
1.7.3	Short duty cycles	Equipment is designed for continuous operation.	N
1.7.4	Supply voltage adjustment:	No such devices used	N
	Methods and means of adjustment; reference to installation instructions	TO THE PARTY OF TH	N
1.7.5	Power outlets on the equipment:	- 60	N
1.7.6	Fuse identification (marking, special fusing characteristics, cross-reference):		N
1.7.7	Wiring terminals	The desired the state of the st	N

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
1.7.7.1	Protective earthing and bonding terminals:	Class III equipment, no protective earthing	N
1.7.7.2	Terminal for a.c. mains supply conductors	C. C.	N
1.7.7.3	Terminals for d.c. mains supply conductors	700 70	N
1.7.8	Controls and indicators		P
1.7.8.1	Identification, location and marking:	It is obviously unnecessary.	N
1.7.8.2	Colours	The colours used for LED are indicating function. No safety consideration.	P
1.7.8.3	Symbols according to IEC 60417		N
1.7.8.4	Markings using figures	Not applicable.	N.
1.7.9	Isolation of multiple power sources:	No direct connection to mains supply	N
1.7.10	Thermostats and other regulating devices	No thermostats or other regulating devices used inside battery pack are not adjustable during normal use.	N
1.7.11	Durability	The marking withstands required tests.	∪ P
1.7.12	Removable parts	No such parts.	N
1.7.13	Replaceable batteries	Non-replaceable batteries	N
pacci	Language(s):	The state of the s	
1.7.14	Equipment for restricted access locations:	C. L.C.	N

2	PROTECTION FROM HAZARDS		P
2.1	Protection from electric shock and energy hazards	No hazardous parts in operator access areas.	Р
2.1.1	Protection in operator access areas	100 100	Р
2.1.1.1	Access to energized parts	No energized parts.	Р
~(Test by inspection	报 那	
	Test with test finger(Figure 2A)	The state of the s	
22	Test with test pin (Figure 2B)		
	Test with test probe (Figure 2C)		
2.1.1.2	Battery compartments	· · · · · · · · · · · · · · · · · · ·	N
2.1.1.3	Access to ELV wiring	1 1 1 1 CO	N
10 m	Working voltage (Vpeak or Vrms); minimum distance (mm) through insulation	CC . FO	
2.1.1.4	Access to hazardous voltage circuit wiring	大樓 一	N
2.1.1.5	Energy hazards	No energy hazard in operator access area.	Р

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EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict
2.1.1.6	Manual controls	10000000000000000000000000000000000000	N
2.1.1.7	Discharge of capacitors in equipment	No primary circuit.	N
	Time-constant (s); measured voltage (V)	-C	
2.1.1.8	Energy hazards – d.c. mains supply	Not directly connect to mains supply	N
interior of Co.	a)Capacitor connected to the d.c. mains supply:	11 天皇	N
- 700	b)Internal battery connected to the d.c. mains supply:	C Barrer	N
2.1.1.9	Audio amplifiers:	No any amplifiers	N
2.1.2	Protection in service access areas		N
2.1.3	Protection in restricted access locations		N Carrier N

2.2	SELV circuits		Р
2.2.1	General requirements	42.4V peak or 60VDC are not exceeded in SELV circuit under normal operation or single fault condition.	P
2.2.2	Voltages under normal conditions (V)	Within SELV limits.	Р
2.2.3	Voltages under fault conditions (V)	Within SELV limits.	P P
2.2.4	Connection of SELV circuits to other circuits:	The state of the s	N

2.3	TNV circuits	00	N
2.3.1	Limits	No TNV circuits.	N
60	Type of TNV circuits	拉那 天下	N
2.3.2	Separation from other circuits and from accessible parts	CC TO	N
2.3.2.1	General requirements		M N
2.3.2.2	Protection by basic insulation	T. T.	N
2.3.2.3	Protection by earthing	T. T. Samuel Co.	N
2.3.2.4	Protection by other constructions	~ * 3.00 N	N
2.3.3	Separation from hazardous voltages		N
-,0	Insulation employed:		N
2.3.4	Connection of TNV circuits to other circuits	-C*	N
A TIME	Insulation employed	-C*	N
2.3.5	Test for operating voltages generated externally		N

2.4	Limited current circuits	III III	F of Global	N

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Clause	Requirement – Test	Result – Remark	Verdict
2.4.1	General requirements	No limited current circuits to be evaluated.	N
2.4.2	Limit values		N
杨	Frequency (Hz)	, 500	N
F AGREEMENT	Measured current (mA)		N
A STATE OF THE STA	Measured voltage (V)	T. T.	N
-1111	Measured capacitance (nF or μF)	The State of the S	N
2.4.3	Connection of limited current circuits to other circuits	Car For Di	N

2.5	Limited power sources		N
永 特	a)Inherently limited output	C.32	N
Station of Gibbs	b)Impedance limited output	Co	N
	c)Regulating network limited output under normal operating and single fault condition		N
	d)Overcurrent protective device limited output	E. C.	N
一字环	Max. output voltage (V), max. output current (A), max. apparent power (VA):	NO THE	
	Current rating of overcurrent protective device (A)	张 龙	N
	Use of integrated circuit (IC) current limited	The state of the s	N

2.6	Provisions for earthing and bonding		N
2.6.1	Protective earthing	Class III equipment.	N
2.6.2	Functional earthing	R. S.	N N
(相)	Use of symbol for functional earthing	300	N
2.6.3	Protective earthing and protective bonding conductors		N
2.6.3.1	General	The Barrier State of the State	N
2.6.3.2	Size of protective earthing conductors	10	N
- Ci**	Rated current (A), cross-sectional area (mm2), AWG		N M
2.6.3.3	Size of protective bonding conductors	· · · · · · · · · · · · · · · · · · ·	N
10 m	Rated current (A), cross-sectional area (mm2), AWG:	-C************************************	N
2.6.3.4	Resistance of earthing conductors and their terminations, resistance(Ω), voltage drop(V),test current (A), duration(min)	No. of the little of the littl	N
2.6.3.5	Colour of insulation	\$ C 2 \ C	N

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
2.6.4	Terminals	· · · · · · · · · · · · · · · · · · ·	N
2.6.4.1	General	The state of the s	N
2.6.4.2	Protective earthing and bonding terminals	, a.C	N
F. County	Rated current (A), type and nominal thread diameter (mm):		N
2.6.4.3	Separation of the protective earthing conductor from protective bonding conductors	The state of the s	N
2.6.5	Integrity of protective earthing		N
2.6.5.1	Interconnection of equipment		N
2.6.5.2	Components in protective earthing conductors and protective bonding conductors	电型 东西	ZAN COOM N
2.6.5.3	Disconnection of protective earth	C. 1	N
2.6.5.4	Parts that can be removed by an operator	700 P	N
2.6.5.5	Parts removed during servicing		N
2.6.5.6	Corrosion resistance	· · · · · · · · · · · · · · · · · · ·	N
2.6.5.7	Screws for protective bonding	- C - C	N
2.6.5.8	Reliance on telecommunication network or cable distribution system		N

2.7	Overcurrent and earth fault protection in primary circuits		N
2.7.1	Basic requirements	No primary circuits.	N
-C	Instructions when protection relies on building installation	· · · · · · · · · · · · · · · · · · ·	N
2.7.2	Faults not covered in 5.3.7	The second	N
2.7.3	Short-circuit backup protection	" CO" \ CO	N
2.7.4	Number and location of protective devices:	500	N
2.7.5	Protection by several devices	The state of the s	N
2.7.6	Warning to service personnel:	· ·	N

2.8	Safety interlocks		N
2.8.1	General principles	No safety interlocks	N
2.8.2	Protection requirements	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N
2.8.3	Inadvertent reactivation	- C**	N
2.8.4	Fail-safe operation	100	N
- (Protection against extreme hazard	拉腿 压整器	N
2.8.5	Moving parts	- Francisco	N

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	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
2.8.6	Overriding	10000000000000000000000000000000000000	N		
2.8.7	Switches and relays	The state of the s	N		
2.8.7.1	Contact gaps (mm)		N		
2.8.7.2	Overload test	10	N		
2.8.7.3	Endurance test	- T	N		
2.8.7.4	Electric strength test	不是	N		
2.8.8	Mechanical actuators	43.0° CO .	N		

2.9	Electrical insulation		P
2.9.1	Properties of insulating materials	The state of the s	Р
2.9.2	Humidity conditioning	C. S. CO	N
F all Globa	Humidity (%),temperature (°C)	700 P	
2.9.3	Grade of insulation	Functional insulation.	P#
2.9.4	Separation from hazardous voltages	T. T. San	N
	Method(s) used	- 8-20	

2.10	Clearances, creepage distances and distances	through insulation	N
2.10.1	General	Only SELV circuits inside the EUT. Functional insulation evaluated in accordance with clause 5.3.4. c).	N
Children on	Frequency	0	N
-0	Pollution degrees	11	N
0	Reduced values for functional insulation	大型	N
45.	Intervening unconnected conductive parts	-C.	N
F A CHONG COMP	Insulation with varying dimensions		N
etalion.	Special separation requirements	11 不是	N
	Insulation in circuits generating starting pulses	The state of the s	N
2.10.2	Determination of working voltage		N
2.10.3	Clearances		N
2.10.3.1	General		N N
2.10.3.2	Mains transient voltages	The state of the s	N
- Alle:	a)AC mains supply	C	N
12 march	b)Earthed d.c. mains supplies	700 D	N
	c)Unearthed d.c. main supplies		N
110	d)Battery operation	The state of the s	N

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Clause	Requirement – Test	Result – Remark	Verdict
2.10.3.3	Clearances in primary circuits	" 在那 一根那	N
2.10.3.4	Clearances in secondary circuits	The Hard Country of Hard Count	N
2.10.3.5	Clearances in circuits having starting pulses	CC C	N N
2.10.3.6	Transients from a.c. mains supply	100	N
2.10.3.7	Transients from d.c. mains supply	-all	N N
2.10.3.8	Transients from telecommunication networks and cable distribution systems	- C	N
2.10.3.9	Measurement of transient voltage levels	10	N
(有)	a)Transients from a mains supply		N
30	For a.c. mains supply	也想 不是	N N
451	For d.c. mains supply:	on Con Management Con	N
F The comme	b)Transients from	" CO" EV	N
2.10.4	Creepage distances		N
2.10.4.1	General	玉龙	N
2.10.4.2	Material group and comparative tracking index		N
~ 極	CTI tests	100	N
2.10.4.3	Minimum creepage distances	70	₩ N
2.10.5	Solid insulation	张	N N
2.10.5.1	General	Carried Comments	N
2.10.5.2	Distances through insulation	00	N
2.10.5.3	Insulation compound as solid insulation		N
2.10.5.4	Semiconductor device	报期 开	N
2.10.5.5	Cemented joints	Citotia Con	N
2.10.5.6	Thin sheet material - General	100 70	N
2.10.5.7	Separable thin sheet material		N
- C	Number or layers(pcs):	· · · · · · · · · · · · · · · · · · ·	N _m
2.10.5.8	Non-separable thin sheet material	- F. M C. B.	- N
2.10.5.9	Thin sheet material – standard test procedure		N
C 35.00	Electric strength test		N
2.10.5.10	Thin sheet material – alternative test procedure	点想 人名	N
	Electric strength test	And Comments of the Comments o	N (
2.10.5.11	Insulation in wound components	60 10	N
2.10.5.12	Wire in wound components		N
\ C	Working voltage:	在世界 · 环想	N
	a)Basic insulation not under stress:		N

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Clause	Requirement – Test	Result – Remark	Verdict
\O	b)Basic, supplementary, reinforced insulation:	10000000000000000000000000000000000000	N
	c)Compliance with Annex U	The state of the s	N
不起那	Two wires in contact inside wound component; angle between 45° and 90°	, CC CC	N
2.10.5.13	Wire with solvent-based enamel in wound components	· · · · · · · · · · · · · · · · · · ·	N
-011	Electric strength test	T. T. Sandan	N
A THE REAL PROPERTY.	Rountine test	- 32	N
2.10.5.14	Additional insulation in wound components		N
	Working voltage		N
	-basic insulation not under stress	- C	N
不是	-Supplementary, reinforced insulation	-0	N
2.10.6	Construction of printed boards	NO P	N
2.10.6.1	Uncoated printed boards	· 电型 不是二	N
2.10.6.2	Coated printed boards	The state of the s	N
2.10.6.3	Insulation between conductors on the same inner surface of a printed board	CO. De	N
2.10.6.4	Insulation between conductors on different layers of a printed board	环	N
	Distance through insulation	C3 - C3	N
700	Number of insulation layers(pcs)	0	N
2.10.7	Component external terminations	111	N
2.10.8	Tests on coated printed boards and coated components	天意····	N
2.10.8.1	Sample preparation and preliminary inspection	40° 100°	N
2.10.8.2	Thermal conditioning		N
2.10.8.3	Electric strength test	一	N
2.10.8.4	Abrasion resistance test	T. S.	N
2.10.9	Thermal cycling	- * · · · · · · · · · · · · · · · · · ·	N
2.10.10	Test for Pollution Degree 1 environment and insulating compound		N
2.10.11	Test for semiconductor devices and cemented joints	A STEEL CO	N
2.10.12	Enclosed and sealed parts	20 10	N

3	WIRING, CONNECTIO	NS AND SUPPLY	不是点	基	P
3.1	General	The state of the s	The second cool	- T	Р

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Clause	Requirement – Test	Result – Remark	Verdict
3.1.1	Current rating and overcurrent protection	Adequate cross sectional areas on internal wiring. No internal wire for primary power distribution.	P
3.1.2	Protection against mechanical damage	Wires do not touch sharp edges that could damage the insulation and cause hazard.	Р
3.1.3	Securing of internal wiring	Internal wiring is reliable secured	Р
3.1.4	Insulation of conductors	The insulation of the individual conductors is suitable for the application and the working voltage.	P
3.1.5	Beads and ceramic insulators	30	N 🕬
3.1.6	Screws for electrical contact pressure		N
3.1.7	Insulating materials in electrical connections	The state of the s	N
3.1.8	Self-tapping and spaced thread screws		N
3.1.9	Termination of conductors	100	N
- (1	10 N pull test		N
3.1.10	Sleeving on wiring	The same of the same	N

3.2	Connection to a mains supply		N
3.2.1	Means of connection	Class III equipment	N
3.2.1.1	Connection to an a.c. mains supply	The state of the s	N
3.2.1.2	Connection to a d.c. mains supply	CO CO	N
3.2.2	Multiple supply connections	10	N
3.2.3	Permanently connected equipment		N
O-	Number of conductors, diameter (mm) of cable and conduits:	C. C.	
3.2.4	Appliance inlets	100 10	N
3.2.5	Power supply cords	~ 卷	N N
3.2.5.1	AC power supply cords	E The state of the	N
	Туре	- C	
A # #	Rated current (A), cross-sectional area (mm²), AWG:	C. FO D	
3.2.5.2	DC power supply cords	上班 电型	N
3.2.6	Cord anchorages and strain relief	-C	N
AS THE	Mass of equipment (kg), pull (N)	CC 10	
Cours	Longitudinal displacement (mm)	NO and	
3.2.7	Protection against mechanical damage	· · · · · · · · · · · · · · · · · · ·	N
3.2.8	Cord guards		N

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Clause	Requirement – Test	Result – Remark	Verdict
~ (G)	D (mm); test mass (g)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
	Radius of curvature of cord (mm)	E Table	
3.2.9	Supply wiring space	1 - CO	N

3.3	Wiring terminals for connection of external conduc	ctors	N
3.3.1	Wiring terminals	The Second Secon	N
3.3.2	Connection of non-detachable power supply cords	*** YOU YO	N
3.3.3	Screw terminals		N
3.3.4	Conductor sizes to be connected	The state of the s	N
环境	Rated current (A), cord/cable type, cross-sectional area (mm²)	-C## 100	
3.3.5	Wiring terminal sizes	O- P	N
130	Rated current (A), type and nominal thread diameter (mm)	五张	
3.3.6	Wiring terminals design	-C*	N
3.3.7	Grouping of wiring terminals	10-	N
3.3.8	Stranded wire	成型 不肯	N

3.4	Disconnection from the mains supply	-C"	N
3.4.1	General requirement	Class III equipment	N
3.4.2	Disconnect devices		N
3.4.3	Permanently connected equipment	K B	N
3.4.4	Parts which remain energized	3 - C - C C	N
3.4.5	Switches in flexible cords	100	N
3.4.6	Single-phase equipment and d.c. equipment	11 不管	N
3.4.7	Three-phase equipment	The state of the s	N
3.4.8	Switches as disconnect devices	4 TO 1	N
3.4.9	Plugs as disconnect devices	-10 ·· E	N
3.4.10	Interconnected equipment		N N
3.4.11	Multiple power sources	T. B. T. T. S. S.	N

3.5	Interconnection of equipment	100	Р
3.5.1	General requirements		Р
3.5.2	Types of interconnection circuits	SELV circuit only.	Р
3.5.3	ELV circuits as interconnection circuits	No ELV interconnections.	N

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Clause	Requirement – Test		Result – Remark	Verdict
3.5.4	Data ports for additional equipment			N

4	PHYSICAL REQUIREMENTS	C.C.	60	Р
4.1	Stability	10		N
adulton of G	Angle of 10°	7011	不懂	N
	Test: force (N):	The Barrier	多 子 0 000	N

4.2	Mechanical strength		P 👊
4.2.1	General	See below	√ P
9	Rack-mounted equipment.	是 不	N
4.2.2	Steady force test, 10 N		N
4.2.3	Steady force test, 30 N	700 P	N
4.2.4	Steady force test, 250 N	250N applied to outer enclosure. No energy or other hazards.	P
4.2.5	Impact test	- 3	N
杨	Fall test	300	N
_ F Thursday	Swing test		∌ N
4.2.6	Drop test; height(m):	1m; No damage of the enclosure, no energy hazards or damage to enclosure integration after the test.	P
4.2.7	Stress relief test	70℃ , 7hours, no hazard.	Р
4.2.8	Cathode ray tubes	No cathode ray tube.	N
GU	Picture tube separately certified	10000000000000000000000000000000000000	N
4.2.9	High pressure lamps	No high pressure lamp	N
4.2.10	Wall or ceiling mounted equipment; force (N):	100	N

4.3 Design and construction		the state of the s	P
4.3.1	Edges and corners	Edges and corners are rounded.	Р
4.3.2	Handles and manual controls; force (N)	C	N
4.3.3	Adjustable controls	No such adjustable control.	N
4.3.4	Securing of parts	No loosening of parts is likely to occur.	Р
4.3.5	Connection of plugs and sockets	IEC60083 and IEC60320 connectors are not used in equipment.	Р
4.3.6	Direct plug-in equipment	Not direct plug-in equipment.	N
_(Torque	大	N

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Clause	Requirement – Test	Result – Remark	Verdict	
NG	Compliance with the relevant mains plug standard	· · · · · · · · · · · · · · · · · · ·	N	
4.3.7	Heating elements in earthed equipment	No heating elements.	N	
4.3.8	Batteries		Р	
Julion of Global C	-Overcharging of a rechargeable battery	(see appended table 4.3.8)	P	
-011	-Unintentional charging of a non-rechargeable battery	Rechargeable battery	N	
Total Control	-Reverse charging of a rechargeable battery	Battery pack polarity cannot be reversed.	N	
-	-Excessive discharging rate for any battery	(see appended table 4.3.8)	P	
4.3.9	Oil and grease	No Oil and grease.	N	
4.3.10	Dust, powders, liquids and gases	Equipment in intended use not considered to be exposed to these.	N	
4.3.11	Containers for liquids or gases	No containers for liquids or gases	N	
4.3.12	3.12 Flammable liquids: The equipment does not contain flammable liquid.		N	
	Quantity of liquid (I)	5 T	∪ N	
极	Flash point (°C)	-00	N	
4.3.13	Radiation; type of radiation		₩ P	
4.3.13.1	General		Р	
4.3.13.2	Ionizing radiation	No ionizing radiation	N	
TIM.	Measured radiation (pA/kg)	GC C		
	Measured high-voltage (kV)			
CO	Measured focus voltage (kV)	不是		
	CRT markings	The second secon		
4.3.13.3	Effect of ultraviolet (UV) radiation on materials	No ultraviolet radiation	N	
gallon di Gideni	Part, property, retention after test, flammability classification		M N	
4.3.13.4	Human exposure to ultraviolet (UV) radiation:	The Company of the Co	N	
4.3.13.5	Lasers (including laser diodes) and LEDs	LEDs for indicator only comply with class 1 requirement.	Р	
4.3.13.5.1	Lasers (including laser diodes)		N	
30	Laser class	点型 工作型		
4.3.13.5.2	Light emitting diodes (LEDs)	Indicating LED only.	Р	
4.3.13.6	Other types	-C -	N	

4.4	Protection against hazardous moving parts	工程	N
4.4.1	General	No hazardous moving parts.	N

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Clause	Requirement – Test	Result – Remark	Verdict
4.4.2	Protection in operator access areas	10000000000000000000000000000000000000	N
	Household and home/office document/media shredders	C S C	N
4.4.3	Protection in restricted access locations	100 10	N
4.4.4	Protection in service access areas	也	N
4.4.5	Protection against moving fan blades	拉那 异形	N
4.4.5.1	General	5.C	N
Spirite little	Not considered to cause pain or injury. a):		N
A 5 7	Is considered to cause pain, not injury. b)		N
-	Considered to cause injury. c):	校型 不整	N
4.4.5.2	Protection for users	10°	N
F Thomas	Use of symbol or warning	" CO"	N
4.4.5.3	Protection for service persons		N
10	Use of symbol or warning:	The Barrier The Transfer	N

4.5	Thermal requirements	, CO	Р
4.5.1	General	10 10	₩ P
4.5.2	Temperature tests	(see appended table 4.5)	Р
	Normal load condition per Annex L	C. 32 - C. 32	
4.5.3	Temperature limits for materials	(see appended table 4.5)	Р
4.5.4	Touch temperature limits	(see appended table 4.5)	P
4.5.5	Resistance to abnormal heat	No thermoplastic parts on which parts at hazardous voltage are directly mounted.	N N

4.6	Openings in enclosures		M N
4.6.1	Top and side openings	the silling and the silling an	N
-	Dimensions (mm)	- F. Marion - C. Marion	
4.6.2	Bottoms of fire enclosures		N
C.*	Construction of the bottom		
4.6.3	Doors or covers in fire enclosures	拉門 环境点 集	N
4.6.4	Openings in transportable equipment		N
4.6.4.1	Constructional design measures	30	N
and Co.	Dimensions(mm)		N
4.6.4.2	Evaluation measures for larger openings	The Barrier Transferred	N
4.6.4.3	Use of metallized parts		N

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Clause	Requirement – Test	Result – Remark	Verdict
4.6.5	Adhesives for constructional purposes	1 电影	N
	Conditioning temperature (°C), time (weeks):	The state of the s	

4.7	4.7 Resistance to fire		Р
4.7.1	Reducing the risk of ignition and spread of flame	Use of plastic with the required flammability classes.	Р
11 THE	Method 1, selection and application of components wiring and materials	Method 1 used	P
- 1 T	Method 2, application of all of simulated fault condition tests		N
4.7.2	Conditions for a fire enclosure	是 · 不多	P
4.7.2.1	Parts requiring a fire enclosure	100	Р
4.7.2.2	Parts not requiring a fire enclosure	CO E	N
4.7.3	Materials		P
4.7.3.1	General		P
4.7.3.2	Materials for fire enclosures	See appended table 1.5.1	Р
4.7.3.3	Materials for components and other parts outside fire enclosures		N
4.7.3.4	Materials for components and other parts inside fire enclosures	Internal components except small parts are V-2 or better.	Р
4.7.3.5	Materials for air filter assemblies	No air filter assemblies	N
4.7.3.6	Materials used in high-voltage components	No high voltage components.	N

5	ELECTRICAL REQUIREMENTS AND SIMULATED ABNORMAL CONDITIONS		P
5.1	Touch current and protective conductor current		N
5.1.1	General		N
5.1.2	Equipment under test (EUT)	11 不是	N
5.1.2.1	Single connection to an a.c. mains supply		N
5.1.2.2	Redundant multiple connections to an a.c. mains supply		N
5.1.2.3	Simultaneous multiple connections to an a.c. mains supply		N
5.1.3	Test circuit	-C*	N
5.1.4	Application of measuring instrument	-C**	N
5.1.5	Test procedure		N
5.1.6	Test measurements	10000000000000000000000000000000000000	N
	Test voltage (V)	The state of the s	N

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Clause	Requirement – Test	Result – Remark	Verdict
√ C	Measured touch current (mA)	10000000000000000000000000000000000000	N
	Max. allowed touch current (mA)	The state of the s	N
7	Measured protective conductor current (mA):	-C - CO	N
不能	Max. allowed protective conductor current (mA) .:	10	N
5.1.7	Equipment with touch current exceeding 3.5 mA:	11 不是	N
5.1.7.1	General	张	N
5.1.7.2	Simultaneous multiple connections to the supply	\$ 3 CO " \	N
5.1.8	Touch currents to and from telecommunication networks and cable distribution systems and from telecommunication networks		N
5.1.8.1	Limitation of the touch current to a telecommunication network and a cable distribution system	CC TO NO.	N
and the same	Test voltage (V)	70	N
10	Measured touch current (mA)		N
	Max. allowed touch current (mA)	63 C	N
5.1.8.2	Summation of touch currents from telecommunication networks	P.G.	N
The state of the s	a)EUT with earthed telecommunication ports:	环境,	N
III:	b)EUT whose telecommunication ports have no reference to protective earth	- C3 CC3	N

5.2	Electric strength		N
5.2.1	General	Class III equipment	N
5.2.2	Test procedure	- C - C	N

5.3	Abnormal operating and fault conditions	不意	pos P
5.3.1	Protection against overload and abnormal operation	(see appended table 5.3)	P
5.3.2	Motors		N
5.3.3	Transformers	No transformers	N
5.3.4	Functional insulation	See appended table 5.3. Complies with c)	and Glob P
5.3.5	Electromechanical components		N
5.3.6	Audio amplifiers in ITE		N
5.3.7	Simulation of faults	Result see appended table 5.3.	P 4
5.3.8	Unattended equipment	The state of the s	N

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Clause Requirement – Test Result – Remark Ver					
5.3.9	Compliance criteria for abnormal operating and fault conditions	No flame emitted, no molten material emitted, no deformation of enclosure	P		
5.3.9.1	During the tests	No hazards.	Р		
5.3.9.2	After the tests	No fire, no danger.	Р		

6	CONNECTION TO TELECOMMUNICATION NETWORKS	
6.1	Protection of telecommunication network service persons, and users of ot equipment connected to the network, from hazards in the equipment	her N
6.1.1	Protection from hazardous voltages	N
6.1.2	Separation of the telecommunication network from earth	
6.1.2.1	Requirements	N
# Managed Com	Test voltage (V)	
illio alla	Current in the test circuit (mA)	70
6.1.2.2	Exclusions	N

6.2	Protection of equipment users from overvoltages on telecommunication networks		N
6.2.1	Separation requirements		N
6.2.2	Electric strength test procedure	T. T. Sandar	N
6.2.2.1	Impulse test	C.3 - C.3	N
6.2.2.2	Steady-state test	00 10	N
6.2.2.3	Compliance criteria	70	N

6.3	Protection of the telecommunication wiring system from overheating	C	N
· 环节	Max. output current (A)		
and the Control of Con	Current limiting method:	ASA.	

7	CONNECTION TO CABLE DISTRIBUTION SYSTEMS		N
7.1	General		N
7.2	Protection of cable distribution system service persons, and users of other equipment connected to the system, from hazardous voltages in the equipment	A TANK OF COMMENT	N
7.3	Protection of equipment users from overvoltages on the cable distribution system	CC. DO	N
7.4	Insulation between primary circuits and cable distribution systems	玉龙	N

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Clause	Requirement – Test		Result – Remark		Verdict
7.4.1	General		1000000	校 测	N
7.4.2	Voltage surge test	11/2	# 4 To 10 F 15	· A Colonical	N
7.4.3	Impulse test	The state of the s	2.C	60	N

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Clause	Requirement – Test	Result – Remark	Verdict
Α 🤇	ANNEX A, TESTS FOR RESISTANCE TO HEAT	AND FIRE	N
A.1	Flammability test for fire enclosures of movable equipment having a total mass exceeding 18 kg, and of stationary equipment (see 4.7.3.2)		
A.1.1	Samples	100 100	
alon of Global	Wall thickness (mm):	100	
A.1.2	Conditioning of samples; temperature (°C):	· · · · · · · · · · · · · · · · · · ·	N
A.1.3	Mounting of samples:	-G	N
A.1.4	Test flame (see IEC 60695-11-3)	C N	N
_ fi	Flame A, B, C or D:		
A.1.5	Test procedure	E TE	N
A.1.6	Compliance criteria	1 3 CO	N
F The com	Sample 1 burning time (s):	60	
HISTORIA .	Sample 2 burning time (s):		
10	Sample 3 burning time (s):	T. 格	
A.2	Flammability test for fire enclosures of movable ed exceeding 18 kg, and for material and component 4.7.3.2 and 4.7.3.4)		N
A.2.1	Samples, material::	4.10	
77	Wall thickness (mm):		
A.2.2	Conditioning of samples	-0" 60"	N
A.2.3	Mounting of samples:	10 10	N
A.2.4	Test flame (see IEC 60695-11-4)		N
0	Flame A, B or C:	56 B	
A.2.5	Test procedure	- C - C - C - C - C - C - C - C - C - C	N
A.2.6	Compliance criteria	100	N
atalon a	Sample 1 burning time (s):	5 15	
170	Sample 2 burning time (s):	The Barrier Market and Control	
	Sample 3 burning time (s):	43 60	
A.2.7	Alternative test acc. To IEC 60695-2-2, cl. 4 and 8	O. D.	N
3	Sample 1 burning time (s):	电影 《意》	
	Sample 2 burning time (s):		
KE THE	Sample 3 burning time (s):	CO.	
A.3	Hot flaming oil test (see 4.6.2)		N
A.3.1	Mounting of samples	不是 不是	N
A.3.2	Test procedure	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	N

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Clause	Requirement – Test		Result – Remark		Verdict
A.3.3	Compliance criterion		10000000000000000000000000000000000000	· 格里河	N

B	ANNEX B, MOTOR TESTS UNDER ABNORMAL (5.3.2)	CONDITIONS (see 4.7.2.2 and	N
B.1	General requirements	18	M N
	Position:	· 图 · · · · · · · · · · · · · · · · · ·	
- TIME -	Manufacturer:	-G	
Compliance	Type:		
_ §	Rated values:		
B.2	Test conditions	在	at Class N
B.3	Maximum temperatures	4 TO	N
B.4	Running overload test	CO. See	N
B.5	Locked-rotor overload test		N s
30	Test duration (days):	TK 18	
	Electric strength test: test voltage (V):	5 To C 5 To C	
B.6	Running overload test for d.c. motors in secondary circuits	Sec. P.	N
B.6.1	General	环 整	N
B.6.2	Test procedure	\$ 3. do	N
B.6.3	Alternative test procedure	30, 300	N
B.6.4	Electric strength test; test voltage (V)		N
B.7	Locked-rotor overload test for d.c. motors in second	ary circuits	N
B.7.1	Test procedure	The state of the s	N
B.7.2	Alternative test procedure; test time (h):	60	N
B.7.3	Electric strength test		- N
B.8	Test for motors with capacitors	· 加	N
B.9	Test for three-phase motors	The standard of the standard o	N
B.10	Test for series motors	~ \GU \	N
- 6.	Operating voltage (V):		

С	ANNEX C, TRANSFORMERS (see 1.5.4 and 5.3	ANNEX C, TRANSFORMERS (see 1.5.4 and 5.3.3)	
ATT SA	Position	No transformers	
old Column	Manufacturer	100	
	Туре:	· · · · · · · · · · · · · · · · · · ·	
	Rated values	4 3 m	

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Clause	Requirement – Test	Result – Remark	Verdict	
~(Method of protection	10000000000000000000000000000000000000		
C.1	Overload test	Friday Comment	N	
C.2	Insulation	-C - C	N	
The Total	Protection from displacement of windings:	10	N	

D	ANNEX D, MEASURING INSTRUMENTS FOR TOUCH-CURRENT TESTS (see 5.1.4)	N
D.1	Measuring instrument	N
D.2	Alternative measuring instrument	N 剩

E	ANNEX E, TEMPERATURE RISE OF A WINDING (see 1.4.13)	N
	,	K48

F	ANNEX F, MEASUREMENT OF CLEARANCES AND CREEPAGE DISTANCES	N
A STATE OF THE STA	(see 2.10)	7

G	ANNEX G, ALTERNATIVE METHOD FOR DETERMINING MINIMUM CLEARANGE	CES N
G.1	Clearances	N
G.1.1	General	N
G.1.2	Summary of the procedure for determining minimum clearances	N
G.2	Determination of mains transient voltage (V):	N
G.2.1	AC mains supply	N
G.2.2	DC mains supply	N
G.2.3	Unearthed DC mains supply:	N N
G.2.4	Battery operation:	N
G.3	Determination of telecommunication network transient voltage (V):	N N
G.4	Determination of required withstand voltage (V) . :	N M
G.4.1	Mains transients and internal repetitive peaks:	N
G.4.2	Transients from telecommunication networks:	N
G.4.3	Combination of transients	T/N
G.4.4	Transients from cable distribution systems	N
G.5	Measurement of transient levels (V):	N
Compliance	a) Transients from a mains supply	N
	For an a.c. mains supply	N N
110	For a d.c. mains supply	N
	b) Transients from a telecommunication network	N

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Clause	Requirement – Test	Result – Remark	Verdict
G.6	Determination of minimum clearances:	10000000000000000000000000000000000000	N
1		The state of the s	養 子 d action
Н	ANNEX H, IONIZING RADIATION (see 4.3.13)		N
五 ·	-C -C	10	-ml
Jan	ANNEX J, TABLE OF ELECTROCHEMICAL POT	TENTIALS (see 2.6.5.6)	N N
	Metal used	是 · 一	

K	ANNEX K, THERMAL CONTROLS (see 1.5.3 and 5.3.7)	N
K.1	Making and breaking capacity	Th N
K.2	Thermostat reliability; operating voltage (V):	The state of the s
K.3	Thermostat endurance test; operating voltage (V)	NO NO
K.4	Temperature limiter endurance; operating voltage (V):	N N
K.5	Thermal cut-out reliability	C N
K.6	Stability of operation	N

L	ANNEX L, NORMAL LOAD CONDITIONS F BUSINESS EQUIPMENT (see 1.2.2.1 and 4		ECTRICAL
L.1	Typewriters	-0	N
L.2	Adding machines and cash registers	10	N
L.3	Erasers	-11	N
L.4	Pencil sharpeners	不整	A The N
L.5	Duplicators and copy machines	# 1 - C	N N
L.6	Motor-operated files	, 10	N
L.7	Other business equipment		P

M	ANNEX M, CRITERIA FOR TELEPHONE RINGIN	IG SIGNALS (see 2.3.1)	N
M.1	Introduction	C 50	N
M.2	Method A	-111	N
M.3	Method B	不整 不是	M and the N
M.3.1	Ringing signal	C S	N
M.3.1.1	Frequency (Hz)	100	
M.3.1.2	Voltage (V)		<u></u>
M.3.1.3	Cadence; time (s), voltage (V)	· 开。	
M.3.1.4	Single fault current (mA):	- C3	

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Clause	Requirement – Test	Result – Remark	Verdict	
M.3.2	Tripping device and monitoring voltage:	· · · · · · · · · · · · · · · · · · ·	N	
M.3.2.1	Conditions for use of a tripping device or a monitoring voltage	- 1 - C	N	
M.3.2.2	Tripping device	100 100	N	
M.3.2.3	Monitoring voltage (V):	49	N	

N-pl	ANNEX N, IMPULSE TEST GENERATOR clause G.5)	S (see 2.10.3.4, 6.2.2.1, 7.3.2 and	G N
N.1	ITU-T impulse test generators	CO P	N
N.2	IEC 60065 impulse test generator	10000000000000000000000000000000000000	N

P <	ANNEX P. NORMATIVE REFERENCES	C 35	Р
20. Y	ARTICAL TORMATTE RELEASES		

Q	ANNEX Q, Voltage dependent resistors (VDRS) (see	e 1.5.9.1)	N
	-Preferred climatic categories:	The state of the s	N
20	-Maximum continuous voltage:		N
手机	-Combination pulse current:		_M N
	Body of the VDR Test according to IEC 60695- 11-5:	· 其下。	N
1711	Body of the VDR. Flammability class of material (min V-1):	30° 30°	N

R	ANNEX R, EXAMPLES OF REQUIREMENTS FOR OPROGRAMMES	QUALITY CONTROL	N
R.1	Minimum separation distances for unpopulated coated printed boards (see 2.10.6)	VOC. FOO	N
R.2	Reduced clearances (see 2.10.3)	- Th	N

S	ANNEX S, PROCEDURE FOR IMPULSE TESTING (see 6.2.2.3)			
S.1	Test equipment	: C "	N	
S.2	Test procedure	- 10	N	
S.3	Examples of waveforms during impulse testing	不 也 不	N	

T. Tompiece	ANNEX T, GUIDANCE ON PROTECTION AGAINST INGRESS OF WATER		N
3100	(see 1.1.2)	100	5

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Clause	Requirement – Test	Result – Remark	Verdict
U	ANNEX U, INSULATED WINDING WIRES FOR INSULATION (see 2.10.5.4)	R USE WITHOUT INTERLEAVED	N N
1192	The Control of The Control	$C^{*} - C^{*} - C^{*}$	110750
V	ANNEX V, AC POWER DISTRIBUTION SYSTE	EMS (see 1.6.1)	N
V.1	Introduction	18	N
V.2	TN power distribution systems	M Billion Francisco	N
100	111 4 3	- F. C	30
W	ANNEX W, SUMMATION OF TOUCH CURREN	ITS	N
W.1	Touch current from electronic circuits		N
W.1.2	Earthed circuits	在	N
W.2	Interconnection of several equipments		N
W.2.1	Isolation	30.	N
W.2.2	Common return, isolated from earth		N
W.2.3	Common return, connected to protective earth	T. B. T.	N
-	· · · · · · · · · · · · · · · · · · ·	43° - 50° - C	10
X	ANNEX X, MAXIMUM HEATING EFFECT IN T C.1)	RANSFORMER TESTS (see clause	N
X.1	Determination of maximum input current	TK 图 TK	N
X.2	Overload test procedure	the state of the s	N
200	· · · · · · · · · · · · · · · · · · ·	60 100	100
Υ	ANNEX Y, ULTRAVIOLET LIGHT CONDITION	ING TEST (see 4.3.13.3)	N
Y.1	Test apparatus	***************************************	N
Y.2	Mounting of test samples	.: 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	N
Y.3	Carbon-arc light-exposure apparatus	20 - 20	N
Y.4	Xenon-arc light exposure apparatus		N
	C N		"Colinton
Z	ANNEX Z, OVERVOLTAGE CATEGORIES(see	e2.10.3.2 and Clause G.2)	N
	不是 不	- 60	0
AA	ANNEX AA, MANDREL TEST (see 2.10.5.8)		N
·O	100		The comment
BB	ANNEX BB, CHANGES IN THE SECOND EDIT	TION	
-1111	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	C TOUR	20
CC	ANNEX CC, Evaluation of integrated circuit (IC) circuit limiters	N
CC.1	General	of Caronic Hilling	N N
CC.1		The state of the s	N N
50.2	Test program 1	- 1 3 3 5 Th	ıN

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	- P 12-		
		EN 60950-1	
Clause	Requirement – Test	Result – Remark	Verdict
CC.3	Test program 2	18,000	N N
CC.4	Test program 3		N N
CC.5	Compliance		N N

DD	ANNEX DD, requirements for the mounting means of rack-mounted equipment		
DD.1	General	The state of the s	N
DD.2	Mechanical strength test, variable N:	1 CO	N
DD.3	Mechanical strength test, 250N, including end stops:		N
DD.4	Compliance	校型 乐整一章	N

EE M	ANNEX EE, Household and home/office document/media shredders		
EE.1	General		N
EE.2	Marking and instructions	The state of the s	N
	Use of markings or symbols:	5 C C C C	N
李玉	Information of user instructions, maintenance and/or servicing instructions:	, SOO TO	N
EE.3	Compliance:	张 题	N
EE.4	Disconnection of power to hazardous moving parts:	-C*	N
The little was	Use of markings or symbols:	10	N
EE.5	Protection against hazardous moving parts	11 技工	N
0	Test with test finger (figure 2A)	The things of the same	N
» Sla	Test with wedge probe (figure EE1 and EE2):	-01	N

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-				EN 60950-1			
Clause	<u> </u>	ment – Test				sult – Remark	Verdict
EN (4					MMON MODIFICAT	IONS
		subclauses, no 0-1 and it's ame		nd figures which a prefixed "Z"	are additional t	to those in	A CONTRACTOR OF THE PROPERTY O
Contents (A2:2013)	Annex Z	B (normative)	Normative refe corresponding Special natio	erences to intern g European publi nal conditions IELEC code des	cations		P
General		II the —countryll g to the following		reference docum	ent (IEC 6095	0-1:2005)	Р
	1.4.8	Note 2	1.5.1	Note 2 & 3	1.5.7.1	Note	五人 将1 1000
	1.5.8	Note 2	1.5.9.4	Note	1.7.2.1	Note 4, 5 & 6	non of Global C
	2.2.3	Note	2.2.4	Note	2.3.2	Note	\C
	2.3.2.1	Note 2	2.3.4	Note 2	2.6.3.3	Note 2 & 3	
	2.7.1	Note	2.10.3.2	Note 2	2.10.5.13	Note 3	20.
	3.2.1.1	Note	3.2.4	Note 3	2.5.1	Note 2	- B -
	4.3.6	Note 1 & 2	4.7	Note 4	4.7.2.2	Note	30
	4.7.3.1	Note 2	5.1.7.1	Note 3 & 4	5.3.7	Note 1	
	6	Note 2 & 5	6.1.2.1	Note 2	6.1.2.2	Note	10000000000000000000000000000000000000
	6.2.2	Note	6.2.2.1	Note 2	6.2.2.2	Note	a de la comita del la comita del la comita del la comita de la comita del la comita de la comita de la comita del la com
	7.1	Note 3	7.2	Note	7.3	Note 1 & 2	< G
	G.2.1	Note 2	Annex H	Note 2			
General (A1:2010)		ll the "country" n g to the following		ference docume	nt (IEC 60950-	-1:2005/A1:2010)	P
	1.5.7.1	Note		6.1.2.1	Note 2		Mariation of Gen
42 T	6.2.2.1	Note 2	The state of colored to	EE.3	Note	3	1000
General (A2:2013)	according 2.7.1 6.2.2.	g to the following Note * Note	g list:	ference docume 2.10.3.1 Modification rem	Note 2	-1:2005/A2:2013)	P
1.1.1 (A1:2010)	Replace NOTE 3 T multimedi	the text of NOT The requirements	E 3 by the fol of EN 60065 m IEC Guide 11		o meet safety re	quirements for	CV The Party of th

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Requirement – Test	Result – Remark	Verdict
Add the following subclause: 1.3.Z1 Exposure to excessive sound pressure	· · · · · · · · · · · · · · · · · · ·	FFP
present no danger when used for its intended purpose, either in normal operating conditions or under fault conditions, particularly providing protection against exposure to excessive sound pressures from headphones or earphones.	C NOC	
NOTE Z1 A new method of measurement is described in EN 50332-1, Sound system equipment: Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations - Part 1: General method for "one package equipment", and in EN 50332-2, Sound system equipment: Headphones and earphones associated with portable audio equipment - Maximum sound pressure	Page 1	
level measurement methodology and limit considerations - Part 2: Guidelines to associate sets with headphones coming from different manufacturers.		
In EN 60950-1:2006/A12:2011 Delete the addition of 1.3.Z1 / EN 60950-1:2006 Delete the definition 1.2.3.Z1 / EN 60950-1:2006 /A1:2010	-C 2	G P
Add the following NOTE: NOTE Z1 The use of certain substances in electrical and electronic equipment is restricted within the EU: see Directive 2002/95/EC.	CO TO	N
In addition, for a PORTABLE SOUND SYSTEM, the instructions shall include a warning that excessive sound pressure from earphones and headphones can cause hearing loss.		N
In EN 60950-1:2006/A12:2011 Delete NOTE Z1 and the addition for Portable Sound System. Add the following clause and annex to the existing standard and amendments.	C BENEFIC	P
Zx Protection against excessive sound pressure from persor	nal music players	也
Zx.1 General This sub-clause specifies requirements for protection against excessive sound pressure from personal music players that are closely coupled to the ear. It also specifies requirements for earphones and headphones intended for use with personal music players.	NGC #	GCN
 A personal music player is a portable equipment for personal use, that: is designed to allow the user to listen to recorded or broadcast sound or video; and primarily uses headphones or earphones that can be worn in or on or around the ears; 	N. S.	N
	Add the following subclause: 1.3.21 Exposure to excessive sound pressure The apparatus shall be so designed and constructed as to present no danger when used for its intended purpose, either in normal operating conditions or under fault conditions, particularly providing protection against exposure to excessive sound pressures from headphones or earphones. NOTE Z1 A new method of measurement is described in EN 50332-1, Sound system equipment: Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations - Part 1: General method for "one package equipment", and in EN 50332-2, Sound system equipment: Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations - Part 2: Guidelines to associate sets with headphones coming from different manufacturers. In EN 60950-1:2006/A12:2011 Delete the addition of 1.3.21 / EN 60950-1:2006 /A1:2010 Add the following NOTE: NOTE Z1 The use of certain substances in electrical and electronic equipment is restricted within the EU: see Directive 2002/95/EC. New Directive 2011/65/11* In addition, for a PORTABLE SOUND SYSTEM, the instructions shall include a warning that excessive sound pressure from earphones and headphones can cause hearing loss. In EN 60950-1:2006/A12:2011 Delete NOTE Z1 and the addition for Portable Sound System. Add the following clause and annex to the existing standard and amendments. Zx Protection against excessive sound pressure from personal music players that are closely coupled to the ear. It also specifies requirements for earphones and headphones intended for use with personal music players. A personal music player is a portable equipment for personal use, that: - is designed to allow the user to listen to recorded or broadcast sound or video; and - primarily uses headphones or earphones that can be worn in	Add the following subclause: 1.3.Z1 Exposure to excessive sound pressure The apparatus shall be so designed and constructed as to present no danger when used for its intended purpose, either in normal operating conditions or under fault conditions, particularly providing protection against exposure to excessive sound pressures from headphones or earphones. NOTE Z1 A new method of measurement is described in EN 50332-1, Sound system equipment: Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations - Part 1: General method for "one package equipment", and in EN 50332-2, Sound system equipment and in EN 50332-2. Sound system and fereign and fere

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EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict
N	NOTE 1 Examples are hand-held or body-worn portable CD players, MP3 audio players, mobile phones with MP3 type features, PDA's or similar equipment.		N
	A personal music player and earphones or headphones intended to be used with personal music players shall comply with the requirements of this sub-clause.	De Per	
	The requirements in this sub-clause are valid for music or video mode only.	A STATE OF THE PARTY OF THE PAR	-C
	 The requirements do not apply: while the personal music player is connected to an external amplifier; or while the headphones or earphones are not used. NOTE 2 An external amplifier is an amplifier which is not part of the personal music player or the listening device, but which is intended to play the music as a standalone music player. 	NGC T	
	The requirements do not apply to: hearing aid equipment and professional equipment; NOTE 3 Professional equipment is equipment sold through special sales channels. All products sold through normal electronics stores are considered not to be professional equipment.	GC * T. T. T. T.	GC ^{® 2}
	 analogue personal music players (personal music players without any kind of digital processing of the sound signal) that are brought to the market before the end of 2015. NOTE 4 This exemption has been allowed because this technology is falling out of use and it is expected that within a few years it will no longer exist. This exemption will not be extended to other technologies. 		P.C.
	For equipment which is clearly designed or intended for use by young children, the limits of EN 71-1 apply.	T. T	基学 环境
T. T. T.	 Zx.2 Equipment requirements No safety provision is required for equipment that complies with the following: equipment provided as a package (personal music player with its listening device), where the acoustic output LAeq,T is ≤ 85 dBA measured while playing the fixed "programme simulation poins" as described in EN 50232.11 and 		N N
	simulation noise" as described in EN 50332-1; and - a personal music player provided with an analogue electrical output socket for a listening device, where the electrical output is ≤ 27 mV measured as described in EN 50332-2, while playing the fixed "programme simulation noise" as described in EN 50332-1.	NO CO	E T. W. Mark
	NOTE 1 Wherever the term acoustic output is used in this clause, the 30 s A-weighted equivalent sound pressure level LAeq,T is meant. See also Zx.5 and Annex Zx.		

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EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict	
	All other equipment shall: a) protect the user from unintentional acoustic outputs exceeding those mentioned above; and b) have a standard acoustic output level not exceeding those mentioned above, and automatically return to an output level not exceeding those mentioned above when the power is switched off; and	C TO NO.	N	
	c) provide a means to actively inform the user of the increased sound pressure when the equipment is operated with an acoustic output exceeding those mentioned above. Any means used shall be acknowledged by the user before activating a mode of operation which allows for an acoustic output exceeding those mentioned above. The acknowledgement does not need to be repeated more than	NGC .	CC	
	once every 20 h of cumulative listening time; and NOTE 2 Examples of means include visual or audible signals. Action from the user is always required.	J.GC	≥G	
	NOTE 3 The 20 h listening time is the accumulative listening time, independent how often and how long the personal music player has been switched off. d) have a warning as specified in Zx.3; and	M T. E. M	C. 18 3.3	
	e) not exceed the following: 1) equipment provided as a package (player with Its listening device), the acoustic output shall be ≤ 100 dBA measured while playing the fixed "programme simulation noise" described in EN 50332-1; and 2) a personal music player provided with an analogue electrical output socket for a listening device, the electrical output shall be ≤ 150 mV measured as described in EN 50332-2, while playing the fixed "programme simulation noise"	GC TO A TO	SO YOU	
	described in EN 50332-1. For music where the average sound pressure (long term LAeq,T) measured over the duration of the song is lower than the average produced by the programme simulation noise, the warning does not need to be given as long as the average sound pressure of the song is below the basic limit of 85 dBA. In this case T becomes the duration of the song. NOTE 4 Classical music typically has an average sound pressure (long term LAeq,T) which is much lower than the average programme simulation noise. Therefore, if the player is capable to analyse the song and compare it with the programme simulation noise, the warning does not need to be given as long as the average sound pressure of the song is below the basic limit of 85 dBA.			
	For example, if the player is set with the programme simulation noise to 85 dBA, but the average music level of the song is only 65 dBA, there is no need to give a warning or ask an acknowledgement as long as the average sound level of the song is not above the basic limit of 85 dBA.	A CO	70	

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EN 60950-1					
Clause	Requirement – Test	Result – Remark	Verdict		
	Zx.3 Warning The warning shall be placed on the equipment, or on the packaging, or in the instruction manual and shall consist of the following: - the symbol of Figure 1 with a minimum height of 5 mm; and - the following wording, or similar:	C B THE B	N		
	"To prevent possible hearing damage, do not listen at high volume levels for long periods."	NGC TO THE	CC		
GC *	Figure 1 – Warning label (IEC 60417-6044) Alternatively, the entire warning may be given through the equipment display during use, when the user is asked to acknowledge activation of the higher level.	T. T. B. M. CO	E.G		
	Zx.4 Requirements for listening devices (headphones and	earphones)	Р		
N	Zx.4.1 Wired listening devices with analogue input With 94 dBA sound pressure output LAeq,T, the input voltage of the fixed "programme simulation noise" described in EN 50332-2 shall be ≥ 75 mV.	-C	G N		
	This requirement is applicable in any mode where the headphones can operate (active or passive), including any available setting (for example built-in volume level control).	THE MAN THE THE	*** CC		
	NOTE The values of 94 dBA – 75 mV correspond with 85dBA – 27 mV and 100 dBA – 150 mV.	NOC.	NO.		
GC [†]	Zx.4.2 Wired listening devices with digital input With any playing device playing the fixed "programme simulation noise" described in EN 50332-1 (and respecting the digital interface standards, where a digital interface standard exists that specifies the equivalent acoustic level), the acoustic output LAeq,T of the listening device shall be ≤ 100 dBA.	C F TO BOOK	N		
	This requirement is applicable in any mode where the headphones can operate, including any available setting (for example built-in volume level control, additional sound feature like equalization, etc.).	CO	GC *		
	NOTE An example of a wired listening device with digital input is a USB headphone.		地 想		

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Clause	Requirement – Test	Result – Remark	Verdict
<u> </u>	Zx.4.3 Wireless listening devices	Left: 96.50dBA.	Volume
	In wireless mode: - with any playing and transmitting device playing the fixed programme simulation noise described in EN 50332-1; and - respecting the wireless transmission standards, where an air interface standard exists that specifies the equivalent	Right: 96.24dBA.	P
	acoustic level; and - with volume and sound settings in the listening device (for example built-in volume level control, additional sound feature like equalization, etc.) set to the combination of positions that maximize the measured acoustic output for the abovementioned programme simulation noise, the acoustic output LAeq,T of the listening device shall be ≤ 100 dBA.	NGC TO THE	GC *
9	NOTE An example of a wireless listening device is a Bluetooth headphone.	- C	
	Zx.5 Measurement methods Measurements shall be made in accordance with EN 50332-1 or EN 50332-2 as applicable. Unless stated otherwise, the time interval T shall be 30 s.		Р
	NOTE Test method for wireless equipment provided without listening device should be defined.	-C***	G _C "
2.7.1	Replace the subclause as follows: Basic requirements	9	111
	To protect against excessive current, short-circuits and earth faults in PRIMARY CIRCUITS, 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):	GC N. T.	N
	a) except as detailed in b) and c), protective devices necessary to comply with the requirements of 5.3 shall be included as parts of the equipment;	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	学 环 梅
T. T.	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;	3C F CC	
	c) it is permitted for PLUGGABLE EQUIPMENT TYPE B or PERMANENTLY CONNECTED EQUIPMENT, to rely on dedicated overcurrent and short-circuit protection in the building installation, provided that the means of protection, e.g. fuses or circuit breakers, is fully specified in the installation instructions.	P.C.	G N
	If reliance is placed on protection in the building installation, the installation instructions shall so state, except that for PLUGGABLE EQUIPMENT TYPE A the building installation shall be regarded as providing protection in accordance with the rating of the wall socket outlet.	A CO	A.C.
2.7.2	This subclause has been declared 'void'.	型 地	N
3.2.3	Delete the NOTE in Table 3A, and delete also in this table the	A Francisco	d C N

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Clause	Requirement – Test	Result – Remark	Verdict	
3.2.5.1	Replace "60245 IEC 53" by "H05 RR-F"; "60227 IEC 52" by "H03 VV-F or H03 VVH2-F"; "60227 IEC 53" by "H05 VV-F or H05 VVH2-F2".	The state of the s	T. T. Barrell	
	In Table 3B, replace the first four lines by the following: Up to and including 6 0,75 a) Over 6 up to and including 10 (0,75) b) 1,0 Over 10 up to and including 16 (1,0) c) 1,5 In the conditions applicable to Table 3B delete the words "in some countries" in condition a).		N EC	
To and the second	In NOTE 1, applicable to Table 3B, delete the second sentence.	NO.		
3.2.5.1 (A2:2013)	NOTE Z1 The harmonised code designations corresponding to the IEC cord types are given in Annex ZD	· 环境型	N	
3.3.4	In Table 3D, delete the fourth line: conductor sizes for 10 to 13 A, and replace with the following: Over 10 up to and including 16 1,5 to 2,5 1,5 to 4 Delete the fifth line: conductor sizes for 13 to 16 A	No.	N	
4.3.13.6 (A1:2010)	Replace the existing NOTE by the following: NOTE Z1 Attention is drawn to: 1999/519/EC: Council Recommendation on the limitation of exposure of the general public to electromagnetic fields 0 Hz to 300 GHz, and 2006/25/EC: Directive on the minimum health and safety requirements regarding the exposure of workers to risks		N	
	arising from physical agents (artifical optical radiation). Standards taking into account mentioned Recommendation and Directive which demonstrate compliance with the applicable EU Directive are indicated in the OJEC.	NGO NA	N	
Annex H	Replace the last paragraph of this annex by: At any point 10 cm from the surface of the OPERATOR ACCESS AREA, the dose rate shall not exceed 1 µSv/h (0,1 mR/h) (see NOTE). Account is taken of the background level. Replace the notes as follows: NOTE These values appear in Directive 96/29/Euratom. Delete NOTE 2.		N	
Bibliography	Additional EN standards.	- CU	GY	

		2000
ZA	NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR	
	CORRESPONDING EUROPEAN PUBLICATIONS	_

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Clause	Requirement – Test	Result – Remark	Verdict
Jiause		*202	verdict
1.2.4.1	ZB ANNEX (normative) SPECIAL NATIONAL COND	TIONS (EN)	- The St. 1
1.2.4.1	In Denmark , certain types of Class I appliances (see 3.2.1.1) may be provided with a plug not establishing earthing conditions when inserted into Danish socket-outlets.	Carro	N
1.2.13.14	In Norway and Sweden , for requirements see 1.7.2.1 and 7.3 of this annex.	- Ti	N
1.5.7.1	In Finland , Norway and Sweden , resisters bridging BASIC INSULATION in CLASS I PLUGGABLE EQUIPMENT TYPE A must comply with the requirements in 1.5.7.1. In addition when a single resister is used, the resister must withstand the resister test in 1.5.7.2.	YCC F	SCN
1.5.8	In Norway , due to the IT power system used (see annex V, Figure V.7), capacitors are required to be rated for the applicable line-to-line voltage (230 V).	A CO	N
1.5.9.4	In Finland , Norway and Sweden , the third dashed sentence is applicable only to equipment as defined in 6.1.2.2 of this annex.		N
1.7.2.1	In Finland , Norway and Sweden , CLASS I PLUGGABLE EQUIPMENT TYPE A intended for connection to other equipment or a network shall, if safety relies on connection to protective earth or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment must be connected to an earthed mains socket-outlet. The marking text in the applicable countries shall be as follows: In Finland: "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan" In Norway: "Apparatet må tilkoples jordet stikkontakt"		CON N
1.7.2.1 (A11:2009)	In Sweden: "Apparaten skall anslutas till jordat uttag" In Norway and Sweden, the screen of the cable distribution system is normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building. Therefore the protective earthing of the building installation need 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 e.g. a retailer. 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:		N M M M M M M M M M M M M M M M M M M M

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Clause	EN 60950-1	Result – Remark	Verdict
Siduse	Requirement – Test	*///2	verdict
- 20	ZB ANNEX (normative) SPECIAL NATIONAL CONI	JITIONS (EN)	- The St. 1
	"Equipment connected to the protective earthing of the building installation through the mains connection or through other equipment with a connection to protective earthing – and to a cable distribution system using coaxial cable, may in some circumstances create a fire hazard. Connection to a cable distribution system has therefore to be provided through a device providing electrical isolation below a certain frequency range (galvanic isolator, see EN 60728-11)."		N
	NOTE In Norway, due to regulation for installations of cable distribution systems, 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.	NO I	The state of the s
	Translation to Norwegian (the Swedish text will also be accepted in Norway):	SOC	
	"Utstyr som er koplet til beskyttelsesjord via nettplugg og/eller via annet jordtilkoplet utstyr – og er tilkoplet et kabel-TV nett, kan forårsake brannfare. For å unngå dette skal det ved tilkopling av utstyret til kabel-TV nettet installeres en galvanisk isolator mellom utstyret og kabel- TV nettet."	M. A. T. T. M.	GC * *
	Translation to Swedish:	GO P	
	"Utrustning som är kopplad till skyddsjord via jordat vägguttag och/eller via annan utrustning och samtidigt är kopplad till kabel-TV nät kan i vissa fall medföra risk för brand. För att undvika detta skall vid anslutning av utrustningen till kabel-TV nät alvanisk isolator finnas mellan utrustningen och kabel-TV nätet."	SGC TO	P.C.
1.7.2.1 (A2:2013)	In Denmark , CLASS I PLUGGABLE EQUIPMENT TYPE A intended for connection to other equipment or a network shall, if safety relies on connection to protective earth or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment must be connected to an earthed mains socket-outlet. The marking text in Denmark shall be as follows: In Denmark : "Apparatets stikprop skal tilsluttes en stikkontakt med jord, som giver forbindelse til stikproppens jord."		N N
1.7.5	In Denmark , socket-outlets for providing power to other equipment shall be in accordance with the Heavy Current Regulations, Section 107-2-D1, Standard Sheet DK 1-3a, DK 1-5a or DK 1-7a, when used on Class I equipment. For STATIONARY EQUIPMENT the socket-outlet shall be in accordance with Standard Sheet DK 1-1b or DK 1-5a. For CLASS II EQUIPMENT the socket outlet shall be in accordance with Standard Sheet DKA 1-4a.	NOC.	N M

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
~C	ZB ANNEX (normative) SPECIAL NATIONAL CON	DITIONS (EN)	不恒
1.7.5 (A2:2013)	In Denmark , socket-outlets for providing power to other equipment shall be in accordance with the DS 60884-2-D1:2011. For class I equipment the following Standard Sheets are applicable: DK 1-3a, DK 1-1c, DK 1-1d, DK 1-5a or DK 1-7a, with the exception for STATIONARY EQUIPMENT where the socket-outlets shall be in accordance with Standard Sheet DK 1-1b, DK 1-1c, DK 1-1d or DK 1-5a. Socket outlets intended for providing power to Class II apparatus with a rated current of 2,5 A shall be in accordance with DS 60884-2-D1 standard sheet DKA 1-4a. Other current rating socket outlets shall be in compliance with by DS 60884-2-D1 Standard Sheet DKA 1-3a or DKA 1-3b. Justification the Heavy Current Regulations, 6c		S C
2.2.4	In Norway , for requirements see 1.7.2.1, 6.1.2.1 and 6.1.2.2 of this annex.		N
2.3.2	In Finland , Norway and Sweden there are additional requirements for the insulation. See 6.1.2.1 and 6.1.2.2 of this annex.	E TINE	G N
2.3.4	In Norway , for requirements see 1.7.2.1, 6.1.2.1 and 6.1.2.2 of this annex.	50	N
2.6.3.3	In the United Kingdom , the current rating of the circuit shall be taken as 13 A, not 16 A.	水性型	N
2.7.1	In the United Kingdom , to protect against excessive currents and short-circuits in the PRIMARY CIRCUIT of DIRECT PLUG-IN EQUIPMENT, tests according to 5.3 shall be conducted, using an external protective device rated 30 A or 32 A. If these tests fail, suitable protective devices shall be included as integral parts of the DIRECT PLUG-IN EQUIPMENT, so that the requirements of 5.3 are met.	AGC TO A STATE OF THE PARTY OF	N-S
2.10.5.13	In Finland , Norway and Sweden , there are additional requirements for the insulation, see 6.1.2.1 and 6.1.2.2 of this annex.	30 PC	N

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
	ZB ANNEX (normative) SPECIAL NATIONAL CON	DITIONS (EN)	不懂。
3.2.1.1	In Switzerland , supply cords of equipment having a RATED CURRENT not exceeding 10 A shall be provided with a plug complying with SEV 1011 or IEC 60884-1 and one of the following dimension sheets: SEV 6532-2.1991 Plug Type 15 3P+N+PE 250/400 V, 10 A SEV 6533-2.1991 Plug Type 11 L+N 250 V, 10 A SEV 6534-2.1991 Plug Type 12 L+N+PE 250 V, 10 A In general, EN 60309 applies for plugs for currents exceeding 10 A. However, a 16 A plug and socket-outlet system is being introduced in Switzerland, the plugs of which are according to the following dimension sheets, published in February 1998: SEV 5932-2.1998: Plug Type 25, 3L+N+PE 230/400 V, 16 A SEV 5934-2.1998: Plug Type 21, L+N, 250 V, 16A		S C
3.2.1.1	In Denmark , supply cords of single-phase equipment having a rated current not exceeding13 A shall be provided with a plug according to the Heavy Current Regulations, Section 107-2-D1. 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 poly-phase equipment and single-phase equipment having a RATED CURRENT exceeding 13 A is provided with a supply		N N N N N N N N N N N N N N N N N N N
	cord with a plug, this plug shall be in accordance with the Heavy Current Regulations, Section 107-2-D1 or EN 60309-2.		1000
3.2.1.1	In Spain , supply cords of single-phase equipment having a rated current not exceeding 10 A shall be provided with a plug according to UNE 20315:1994. Supply cords of single-phase equipment having a rated current not exceeding 2,5 A shall be provided with a plug	C Tarana	N
	according to UNE-EN 50075:1993. 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 UNE 20315:1994.	NGC & T.	GC T
	If poly-phase equipment is provided with a supply cord with a plug, this plug shall be in accordance with UNE-EN 60309-2.	E.C.	- 6

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Clause	Requirement – Test	Result – Remark	Verdict
~(ZB ANNEX (normative) SPECIAL NATIONAL CONI	DITIONS (EN)	
3.2.1.1	In the United Kingdom , apparatus 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 and plug, shall be fitted with a 'standard plug' in accordance with Statutory Instrument 1768:1994 - The Plugs and Sockets etc. (Safety) Regulations 1994, unless exempted by those regulations.		N
	NOTE 'Standard plug' is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	P.C.	130
3.2.1.1	In Ireland, apparatus which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to I.S. 411 by means of that flexible cable or cord and plug, shall be fitted with a 13 A plug in accordance with Statutory Instrument 525:1997 - National Standards Authority of Ireland (section 28) (13 A Plugs and Conversion Adaptors for Domestic Use) Regulations 1997.	N. S.	N N
3.2.4	In Switzerland , for requirements see 3.2.1.1 of this annex.	- Filmicon	N
3.2.5.1	In the United Kingdom , a power supply cord with conductor of 1,25 mm2 is allowed for equipment with a rated current over 10 A and up to and including 13 A.	CC P	N
3.3.4	In the United Kingdom , the range of conductor sizes of flexible cords to be accepted by terminals for equipment with a RATED CURRENT of over 10 A up to and including 13 A is:	I I BE TO SEE THE SECOND SECON	N N
4.3.6	• 1,25 mm² to 1,5 mm² nominal cross-sectional area. In the United Kingdom , the torque test is performed using a socket outlet complying with BS 1363 part 1:1995, including Amendment 1:1997 and Amendment 2:2003 and the plug part of DIRECT PLUG-IN EQUIPMENT shall be assessed to BS 1363: Part 1, 12.1, 12.2, 12.3, 12.9, 12.11, 12.12, 12.13, 12.16 and 12.17, except that the test of 12.17 is performed at not less than 125 °C. Where the metal earth pin is replaced by an Insulated Shutter Opening Device (ISOD), the requirements of clauses 22.2 and 23 also apply.	C To C C C C C C C C C C C C C C C C C C	N Managara de de la caración de la c
4.3.6	In Ireland , DIRECT PLUG-IN EQUIPMENT is known as plug similar devices. Such devices shall comply with Statutory Instrument 526:1997 - National Standards Authority of Ireland (Section 28) (Electrical plugs, plug similar devices and sockets for domestic use) Regulations, 1997.	P.C.	GCN N

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
₹.C	ZB ANNEX (normative) SPECIAL NATIONAL CONI	DITIONS (EN)	不相
5.1.7.1	In Finland , Norway and Sweden TOUCH CURRENT measurement results exceeding 3,5 mA r.m.s. are permitted only for the following equipment: • STATIONARY PLUGGABLE EQUIPMENT TYPE A that is intended to be used in a RESTRICTED ACCESS LOCATION where equipotential bonding has been applied, for	C A A A A A A A A A A A A A A A A A A A	N
	example, in a telecommunication centre; and	A State of the sta	- C
	has provision for a permanently connected PROTECTIVE EARTHING CONDUCTOR; and is provided with instructions for the installation of that conductor by a SERVICE PERSON;	NGO B	The Market
	STATIONARY PLUGGABLE EQUIPMENT TYPE B;		Maria Bon of Co.
4BL	STATIONARY PERMANENTLY CONNECTED EQUIPMENT.	C.U	C
6.1.2.1 (A1:2010)	In Finland , Norway and Sweden , add the following text between the first and second paragraph of the compliance clause:		N
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	The Total Company	C
	- two layers of thin sheet material, each of which shall pass the electric strength test below, or	GC D	
	- one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	TO THE THE	The same
	Alternatively for components, there is no distance through insulation requirements for the insulation consisting of an insulating compound completely filling the casing, so that CLEARANCES and CREEPAGE DISTANCES do not exist, if	AGC #	NO
CO	the component passes the electric strength test in accordance with the compliance clause below and in addition	玉	五环粒

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
	ZB ANNEX (normative) SPECIAL NATIONAL CONI	DITIONS (EN)	不是
平环龙	- passes the tests and inspection criteria of 2.10.11 with an electric strength test of 1,5 kV multiplied by 1,6 (the electric strength test of 2.10.10 shall be performed using 1,5 kV), and - is subject to ROUTINE TESTING for electric strength during manufacturing, using a test voltage of 1,5 kV.	CELLOC	N
	It is permitted to bridge this insulation with an optocoupler complying with 2.10.5.4 b).	A THE STATE OF THE	- Carrier
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	300	Sec.
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:		The the state of t
	- the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, which in addition to the Y3 testing, is tested with an impulse test of 2,5 kV defined in EN 60950-1:2006, 6.2.2.1;	PCC,	NG
	- the additional testing shall be performed on all the test specimens as described in EN 60384-14:	11.	- # T
	- 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.	GC A A	OC
6.1.2.2	In Finland, Norway and Sweden, the exclusions are applicable for PERMANENTLY CONNECTED EQUIPMENT, PLUGGABLE EQUIPMENT TYPE B and equipment intended to be used in a RESTRICTED ACCESS LOCATION where equipotential bonding has been applied, e.g. in a telecommunication centre, and which has provision for a permanently connected PROTECTIVE EARTHING CONDUCTOR and is provided with instructions for the installation of that conductor by a SERVICE PERSON.	NGC TO THE TOTAL PARTY.	N N
7.2	In Finland , Norway and Sweden , for requirements see 6.1.2.1 and 6.1.2.2 of this annex.	10 mm	N N
Franco of George Co.	The term TELECOMMUNICATION NETWORK in 6.1.2 being replaced by the term CABLE DISTRIBUTION SYSTEM.		11/2
7.3	In Norway and Sweden , for requirements see 1.2.13.14 and 1.7.2.1 of this annex.	E. T. T.	N
7.3	In Norway , for installation conditions see EN 60728-11:2005.	CO.	N

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1.5.1	TABLE: list of critical compon	ents			Р
Object/part no.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity
Battery	Dongguan AUN Battery Technology CO.,LTD	350926	3.7V,55mAh Max charging current:55mA Max discharging current:55mA	IEC 62133	IEC 62133 Report:STR 16019031S
Internal wire	Interchangeable	Interchangeable	28AWG, 80°C	UL758	UL AVLV2
Speaker	Interchangeable	Interchangeable	16ohm,3mW	EN60950-1	Tested with appliance
PCB	Interchangeable	Interchangeable	V-1, 130°C	UL94, UL796	UL ZPMV2
Enclosure	CHI MEI CORPORATION	PC-122F	Min.0.88mm, V-0, 80°C	UL94	UL E56070
Note(s):	一年刊	20	-00		

			9	iditions)	22 100	7 3 3 G
U (V)	I (A)	I rated (A)	P (W)	Fuse #	I fuse (A)	Condition/status
3.7	0.02		0.074	10	1	Discharge, the EUT was equipped with fully charge battery.
5.0	0.05	0.5	0.25	- 48		Charge, the EUT was equipped with fully discharge battery.

2.1.1.5c)1) TAB	SLE: max. V, A, VA test	- TI	. 枪	N
Voltage (rated) (V	Current (rated) (A)	Voltage (max.) (V)	Current (max.) (A)	VA (max.) (VA)
10 m	不是一一	Control of the state of the sta	20° -	- O - 1
Note(s):	60	100		:10

2.1.1.5c)2)	TABLE: stored energy	E. The	不能	基 环 ***	C There's	N
	Capacitance C (µF)		Vo	Itage U (V)	Ene	rgy E (J)
- T	-0	100	100		,	一位测
Note(s):	10			6 TH	10000000000000000000000000000000000000	F of Club of Co.

2.2 TABLE: evaluation of voltage limiting components in SELV circuits					
Common and (management last upon)		max. voltage (V)	(normal operation)	Voltage Limiting	
Componer	Component (measured between)		Vd.c.	Components	
	TA 15	A The state of the	- C	- C-	

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Fault test p	erformed on vol	tage limiting com	ponents	Voltage mea	asured (V) in S	ELV circuits (V p	eak or V d.c.)
也		- A Marine	10				:10
Note(s):	3	30			不起	The Manager	~ 环境

2.5 TABLE: limited power source me	easurement	- 60		Р
Measured Uoc (V) with all load circuits	Isc ((A)	VA	
disconnected:	Meas. Limit		Meas.	Limit
	Th 152	The state of the s		
Note(s):	- T	32	0	

2.10.2	TABLE: Working voltage measurement		· 控制	N
Location RMS voltage (V)		Peak voltage (V)	Comments	
The deliberation	- F The Comment	TO THE STATE OF TH	100	-
Note(s):	Ci co		31	. Th

2.10.3 and 2.10.4 TABLE: clearance and creepage distance measurements							
Clearance distance d	cl and creepage cr at/of:	U p (V)	U r.m.s. (V)	Required cl (mm)	cl (mm)	Required dcr (mm)	dcr (mm)
1	-	7	,	E 777	= Falloward	· · · · · · · · · · · · · · · · · · ·	
Altr:	1	E IK Commen	7 7		Para de la companya d	-C -	

2.10.5	TABLE: distance through insulation	measurements	K 12	E To a series	N
Distance thro	ough insulation di at/of:	U r.m.s. (V)	Test voltage (V)	Required di (mm)	di (mm)
Note(s):		梅测	不懂。	The state of the s	- 1 · 1

4.3.8	ΓABLE: Batte	eries	-0	登	CO	1	0	1	Р
The tests of 4 not available	3.8 are appli	cable only v	when approp	riate batter	y data is		(电测		T P
Is it possible to	install the b	attery in a r	everse polar	ity position	?	Customize used for ba	d connecto		N C
The Company	Non-red	chargeable	batteries			Rechargeab	le batteries	;	
- 6	Disch	arging	Uninten-	Cha	rging	Discha	arging	Reverse	Charging
	Meas. current	Manuf. Specs.	tional charging	Meas. current	Manuf. Specs.	Meas. current	Manuf.S pecs.	Meas. current	Manuf. Specs.

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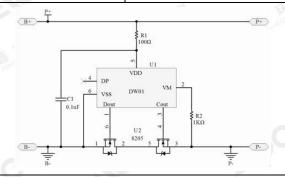


Note(s):--

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Max. current during normal condition	1 S T	- C	The second	45mA	55mA	25mA	55mA		N- 4
Max. current during fault condition	1	3 - T	<u> </u>	50mA	55mA	45mA	55mA	-C*	The deligation of the second
Test results:	C.	Application of	The state of the	1	3	100			Verdict
- Chemical leak	(S	S				No		不相引	Р
- Explosion of t	he battery		环境	不恒	The state of the s	No	- B	Figure of Global	P
- Emission of flame or expulsion of molten metal No							1	Р	
- Electric strength tests of equipment after completion of tests							N		
							-311/3	7702	The second

4.3.8 TABLE: Batteries	P
Battery category	Li-Polymer Battery
Manufacturer	TE TE
Type/model	360926
Voltage, Capacity	3.7V, 55mAh
Circuit protection diagram:	See below of details.



MARKINGS AND INSTRUCTIONS (1.7.13)

Location of replaceable battery	Non-replaceable battery	a. C
Language(s)		10
Close to the battery	- 30	1 推 测
In the servicing instructions	4 1	F Colonia
In the operating instructions	4 3	0 0
Note(s):	C CO	

4.5	TABLE: maximum temperatures		P
	Test voltage (V)	a):5.0VDC charge mode;	

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maximum tempera	iture T of part/a							
	iluic i di baila	.+·			Т ((°C)		allowed
Dutter	naximam temperature i oi parvat.				a)		b)	Tmax (°C)
Button	Button					4	12.2	75
PCB near U1	手机	SOM COLL	学	46	.6	G 4	14.3	130
Battery				45	45.1		43.3	
Internal wire	9	G	:1117	44	44.6		42.5	
Internal enclosure		不够	mpiatrica	43	43.5		12.6	80
External enclosure) jiii	The state of the s	- 18 5	42	42.6		11.7	75
Ambient	100	~ C	0	40	.0	4	10.0	10
Temperature 1	of winding	t₁(℃)	R ₁ (Ω)	t₂(℃)	R ₂ (Ω)	T (°C)	Allowed T _{max} (°C)	Insulation Class
报		- 4	Stanton-	The state of court	6	sultan of Godan	CO"	-0

4.5.5	TABLE: ball pressure test of thermoplastic parts	五 环 地	K Chron Company	N
	allowed impression diameter (mm):	2.C	1/	
Part		Test temperature(°C)		on diameter mm)
		The Company	# F W	-
Note(s):	11		7	10°

4.7	TABLE: Resistance to	fire			P 1	
Part	Manufacturer of material	Type of material	Thickness (mm)	Flammability class	Evidence	
45.	11 - 12 12 12 12 12 12 12 12 12 12 12 12 12	The state of the s	A Contract	G - G		

5.1	TABLE: touch current i	measurement	不是	· 新加州	N
Measured between:		Measured(mA)	Limit(mA)	Comments/conditions	
_ ^ %	The state of the s	100	100	1	- to 18
Note(s):	10		10 11	1 控制	THE STATE OF THE S

5.2	TABLE: electric strength tests and impulse tests				9	N
Test voltag	Test voltage applied between:			age (V)	Breakdown	
	0	711	不懂.	Tr.	and Compliance	- 4 1 1 1 1 1
Note(s):	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	玉	The state of the s	C. Barrier		30

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5.3	ΤΔΕ	RI E: fault condition	tests	6	700		Р
5.5	TABLE: fault condition tests ambient temperature (°C):				24.6	<u> </u>	
	rated markings of power supply:			1 3 3 day			
Component no.		Fault	Test voltage (V)	Test time	Fuse no.	Result	
Battery	1	Output,S-C	₃₀	10min		Unit shutdown immediately. No hazards.	
Battery		Overcharge, B- and P-, S-C	5.0	7h	- 4	No hazards. Battery enclosure: 27.9℃	
Battery Discharge, B- and P-, S-C		ZC ¹	2h	-C-	No hazards. Battery enclosure: 27.3C		
U3 Pin 3-4, S-C		5.0	2h	311	No damage and hazards.		
Speaker S-C		- 10 All	30min	The state of the s	Speaker not work, no damage and hazards.		
Fault: S-C =	short	circuit	Francisco.	-C	- (4	J	
Note:	C.3	-C		G-			-

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Attachment A

Photos of product



Fig.1 - overview



Fig.2 - overview

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Fig.3 - partview



Fig.4 - partview

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Fig.5 - battery



Fig.6 - battery

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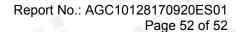






Fig.7 – battery

END OF REPORT

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