

Safety Test Report

Report No.: AGC04094181005ES01

PRODUCT DESIGNATION: Cathy Anti-harassment Backpack

BRAND NAME : N/A

MODEL NAME : P705.21

CLIENT : Xindao B.V.

DATE OF ISSUE: Dec.17, 2018

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 60950-1

Information technology equipment-Safety-Part 1: General requirements

Report Reference No. AGC04094181005ES01

Tested by (+ signature) Grind Mao

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Reviewed by (+ signature) Byron Wang

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(Authorized Officer)

Date of issue Dec.17, 2018

Contents Total 52 pages.

Testing laboratory

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

1-2/F, Building 19, Junfeng Industrial Park, Chongging Road, Heping

Community, Fuhai Street, Bao 'an District, Shenzhen, Guangdong, China

Testing location Same as above.

Applicant

Name Xindao B.V.

Address P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands

Manufacturer

Name: Xindao B.V.

Factory

Name Xindao B.V.

Address P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands

Test specification

Standard EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Test procedure Type test

Procedure deviation N/A

Non-standard test method N/A

Test Report Form/blank test report

Test Report Form No. AGC60950A9

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Test Report Form(s) Originator: A	AGC TO THE REPORT OF THE PARTY
Master TRF [Dated 2018-09
Test item	
Product designation	Cathy Anti-harassment Backpack
Brand name	N/A
Test model	P705.21
Series model	N/A
Rating(s)	5.0V , 0.5A (Supplied by USB port)
Particulars	
Equipment mobility	. ⊠movable ☐ hand-held ⊠transportable ☐ stationary ☐ for building-in ☐ direct plug-in
Connection to the mains	. □pluggable equipment □ type A □type B □permanent connection
	detachable power supply cord
	□non-detachable power supply cord ☑not directly connected to the mains
Operating condition	⊠riot directly conflected to the mains . ⊠continuous
Continue Allestan	rated operating/ resting time:
Access location	∴ ⊠operator accessible
Overveltage setegon/(OVC)	☐restricted access location
Over voltage category(OVC)	
Mains supply tolerance(%) or absolute r values	
Tested for IT power systems	
IT testing, phase-phase voltage(V)	
Class of Equipment	. □Class I □Class II □Class III □not classified
Considered current rating of protective of the building installation (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 1kg
Test case verdicts	
Test case does not apply to the test obje	ect N (/A)
Test item does meet the requirement	P (ass)
Test item does not meet the requiremen	nt F (ail)
Testing	
Date of receipt of test item	

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Attachment

Attachment A Photos of product

General remarks

This report shall not be reproduced except in full without the written approval of the testing laboratory.

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 Re	ecord:	3		
Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	- JIII 1	Dec.17, 2018	Valid	Initial release

General product information

The product supplied by internal lithium battery, and charged from USB port, which is considered as 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 40 °C.

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.

Cathy Anti-harassment Backpack

Model: P705.21 Xindao B.V.



P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands

Importer: XXXXXXXX Address: XXXXXXXX

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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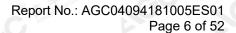
Tel: +86-755 2908 1955 Fax: +86-755 2600 8484 E-mail: agc@agc-cert.com 6 400 089 2118 Add: 2/F., Building 2, No.1-4, Chaxi Sanwei Technical Industrial Park, Gushu, Xixiang, Baoan District, Shenzhen, Guangdong China



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	EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict	
3 7M	OF THE STATE OF THE PROPERTY O	- CO - CO - C	30	
1	GENERAL		P	
(8) Allestall			The Compile	
1.5	Components	KE TO SEE	P P	
1.5.1	General		Р	
AG	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)	P	
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.	P	
1.5.3	Thermal controls	No any thermal controls.	N	
1.5.4	Transformers	No transformers.	estation of N	
1.5.5	Interconnecting cables	Cable to other unit is carrying only SELV voltages on and energy level below 240VA	P	
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	C BG D	N	
1.5.7.2	Resistors bridging double or reinforced insulation between a.c. mains and other circuits	· · · · · · · · · · · · · · · · · · ·	The North	
1.5.7.3	Resistors bridging double or reinforced insulation between a.c. mains antenna or coaxial cable		N	
1.5.8	Components in equipment for IT power systems		N	
1.5.9	Surge suppressors	No such parts.	® N	
1.5.9.1	General	O Marina Comment	N	
1.5.9.2	Protection of VDRs	CC "	N	
1.5.9.3	Bridging of functional insulation by a VDR		M M	
1.5.9.4	Bridging of basic insulation by a VDR	· "我是一个,我们	Sorregiserice N	
1.5.9.5	Bridging of supplementary, double or reinforced insulation by a VDR	Committee Commit	N	

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	EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict	
1.6	Power interface	CO CO	Р	
1.6.1	AC power distribution systems	No direct mains connection.	N sal	
1.6.2	Input current	(See appended table 1.6.2)	The Pompland	
1.6.3	Voltage limit of hand-held equipment	The state of the s	on of San N	
1.6.4	Neutral conductor	Class III equipment, no neutral conductor.	N	

1.7	Marking and instructions	The Committee of the Co	P
1.7.1	Power rating	See below	Р
® #	Rated voltage(s) or voltage range(s) (V)		
-C Alles	Symbol for nature of supply, for d.c. only		
	Rated frequency or rated frequency range (Hz):		
	Rated current (mA or A)		
1.7.1.2	Identification markings	60	Р
C A	Manufacturer's name or trademark or identification mark	See marking plate.	
O	Type/model or type reference	See marking plate.	
T KE SHOW	Symbol for Class II equipment only	Class Ⅲ equipment	
Fin of Global Co	Other marking and symbols	See marking plate.	
1.7.1.3	Use of graphical symbols	· · · · · · · · · · · · · · · · · · ·	Р
1.7.2	Safety instructions and marking	Provided	Р
1.7.2.1	General	See below.	Р
1.7.2.2	Disconnect devices	No such devices	N. 1
1.7.2.3	Overcurrent protective device		E SIN Norman
1.7.2.4	IT power distribution systems	And Committee of the Co	N
1.7.2.5	Operator access with a tool		N
1.7.2.6	Ozone	100	N
1.7.3	Short duty cycles	Equipment is designed for continuous operation.	N Allesto
1.7.4	Supply voltage adjustment	No such devices used	N
ation of Gubal Con	Methods and means of adjustment; reference to installation instructions:		N
1.7.5	Power outlets on the equipment	A TA TO THE TANK	N
1.7.6	Fuse identification (marking, special fusing characteristics, cross-reference)	20 TO	N
1.7.7	Wiring terminals		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	3 N
1.7.7.2	Terminal for a.c. mains supply conductors		N N
1.7.7.3	Terminals for d.c. mains supply conductors	也是	on of Circle N
1.7.8	Controls and indicators	S SE STORY OF THE SECOND SECON	Р
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	ingliance 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 12
1.7.12	Removable parts	No such parts.	estation of N
1.7.13	Replaceable batteries	Non-replaceable battery	N
F of Global Committee	Language(s)		
1.7.14	Equipment for restricted access locations:	利	N

2	PROTECTION FROM HAZARDS		Р
2.1	Protection from electric shock and energy hazards	No hazardous parts in operator access areas.	P. III
2.1.1	Protection in operator access areas	E TO THE STATE OF	P P
2.1.1.1	Access to energized parts	No energized parts.	Р
Kampilance Manager	Test by inspection	- 60	
oal C	Test with test finger(Figure 2A)		
	Test with test pin (Figure 2B)	The Completion of The Completion	
	Test with test probe (Figure 2C)	3 Manufacture C	
2.1.1.2	Battery compartments	1 (0)	N
2.1.1.3	Access to ELV wiring		N
	Working voltage (Vpeak or Vrms); minimum distance (mm) through insulation	O M. T. A. Combon O M. T. A. C.	
2.1.1.4	Access to hazardous voltage circuit wiring	60 , 60	N

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
2.1.1.5	Energy hazards	No energy hazard in operator access area.	Р
2.1.1.6	Manual controls		N
2.1.1.7	Discharge of capacitors in equipment	No primary circuit.	on of Color N
极	Time-constant (s); measured voltage (V)	Sant Com	
2.1.1.8	Energy hazards – d.c. mains supply	Not directly connect to mains supply	N
Attestation	a)Capacitor connected to the d.c. mains supply:		N
)G	b)Internal battery connected to the d.c. mains supply	The the compared to the compar	® N. Allestatio
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	拉	mpliance N

2.2	SELV circuits	C C	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 THE TOTAL COMMON
2.2.2	Voltages under normal conditions (V)	Within SELV limits.	Р
2.2.3	Voltages under fault conditions (V)	Within SELV limits.	Р
2.2.4	Connection of SELV circuits to other circuits:	不能 不能	M J

2.3	TNV circuits		N
2.3.1	Limits	No TNV circuits.	N a
G AMO	Type of TNV circuits	711	The Normalian
2.3.2	Separation from other circuits and from accessible parts	A BENTALL OF THE STATE OF THE S	ation of N
2.3.2.1	General requirements	- 40	N
2.3.2.2	Protection by basic insulation		N
2.3.2.3	Protection by earthing	The Companies	® National States
2.3.2.4	Protection by other constructions	O Manufacture Comment of State and Comment of State	N
2.3.3	Separation from hazardous voltages	1 100	N
The station of Go	Insulation employed	711	^M N
2.3.4	Connection of TNV circuits to other circuits	A Think Committee of the Court	N
- il	Insulation employed	© Allestation of Allestation	N
2.3.5	Test for operating voltages generated externally	60 10	N

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Clause	Requirement – Test	Result – Remark	Verdict
2.4	Limited current circuits	CO CO .	N
2.4.1	General requirements	No limited current circuits to be evaluated.	N
2.4.2	Limit values		N
	Frequency (Hz)	Sand Committee of the State of Control Committee of State of Control Committee of State of Control Con	N
The Miles	Measured current (mA)	-C ****	N
Allestation of G.	Measured voltage (V)	100	N
~6	Measured capacitance (nF or μF)	推测 水堆流。	o N F
2.4.3	Connection of limited current circuits to other circuits	American Company Company	O N

2.5	Limited power sources	東洲 不肯	ubliance N
	a)Inherently limited output	© A House Comme	N.
TITE:	b)Impedance limited output	- C ***********************************	N
ompliance ®	c)Regulating network limited output under normal operating and single fault condition	G N	N
50	d)Overcurrent protective device limited output	报 inno	N N
極	Max. output voltage (V), max. output current (A), max. apparent power (VA)		
F Global Con	Current rating of overcurrent protective device (A)		_M N
estati	Use of integrated circuit (IC) current limited	· · · · · · · · · · · · · · · · · · ·	N N

2.6	Provisions for earthing and bonding	and statement and the statemen	N
2.6.1	Protective earthing	Class III equipment.	N 💨
2.6.2	Functional earthing	111	N
	Use of symbol for functional earthing	The Company of the Co	N N
2.6.3	Protective earthing and protective bonding conductors	- CC ***	N
2.6.3.1	General		N
2.6.3.2	Size of protective earthing conductors	The School of the State Comment	N Hardward
不是	Rated current (A), cross-sectional area (mm2), AWG	CG TO SC	N
2.6.3.3	Size of protective bonding conductors		₩ N
Alle	Rated current (A), cross-sectional area (mm2), AWG	OF TOTAL CONTRACTOR OF THE TANK	Soften N
2.6.3.4	Resistance of earthing conductors and their terminations, resistance(Ω), voltage drop(V),test current (A), duration(min)	CC SCC	N

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	EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict	
2.6.3.5	Colour of insulation	GO GO ~	N	
2.6.4	Terminals		N and	
2.6.4.1	General	liji uni	The Name	
2.6.4.2	Protective earthing and bonding terminals	Transfer of the state of the st	on of Com	
· 学 · Charles Confi	Rated current (A), type and nominal thread diameter (mm)	CC PC	N	
2.6.4.3	Separation of the protective earthing conductor from protective bonding conductors		N	
2.6.5	Integrity of protective earthing	S SE MODELLE COMMENT	N	
2.6.5.1	Interconnection of equipment	20 1	N	
2.6.5.2	Components in protective earthing conductors and protective bonding conductors		M N	
2.6.5.3	Disconnection of protective earth	a A Colonia Company	N.	
2.6.5.4	Parts that can be removed by an operator	C. F. C. C.	N	
2.6.5.5	Parts removed during servicing	CO NO	N	
2.6.5.6	Corrosion resistance	HE June	N	
2.6.5.7	Screws for protective bonding	C To the second of the second	N N	
2.6.5.8	Reliance on telecommunication network or cable distribution system	CC CC	N	

2.7	Overcurrent and earth fault protection in primary circuits		N
2.7.1	Basic requirements	No primary circuits.	N
® ##	Instructions when protection relies on building installation	S. Soo N	N
2.7.2	Faults not covered in 5.3.7		Z N
2.7.3	Short-circuit backup protection	K Schrieber	N
2.7.4	Number and location of protective devices:	C Marianton C	N
2.7.5	Protection by several devices	-GO	N
2.7.6	Warning to service personnel	111	N #

2.8	Safety interlocks	N
2.8.1	General principles No safety interlocks	N
2.8.2	Protection requirements	N Parising N
2.8.3	Inadvertent reactivation	N N
2.8.4	Fail-safe operation	N.
Compliance	Protection against extreme hazard	N

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	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
2.8.5	Moving parts	CO CO	N		
2.8.6	Overriding		N		
2.8.7	Switches and relays	100	The N		
2.8.7.1	Contact gaps (mm):	The state of the s	sta on of on N		
2.8.7.2	Overload test	Comment of the state of the sta	N		
2.8.7.3	Endurance test	- CO	N		
2.8.7.4	Electric strength test		N /		
2.8.8	Mechanical actuators	The State of the S	Nestation		

2.9	Electrical insulation	100	Р
2.9.1	Properties of insulating materials	10000000000000000000000000000000000000	Р
2.9.2	Humidity conditioning	a State Country (State and Country)	N.
-1111	Humidity (%),temperature (°C)	C. T. C.G	
2.9.3	Grade of insulation	Functional insulation.	Р
2.9.4	Separation from hazardous voltages	The state of the s	N A
G	Method(s) used	C The state of the	

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 ®
	Frequency:	© Francisco	N
0 # ² 3	Pollution degrees:		Z
Alteste	Reduced values for functional insulation	lin:	N
	Intervening unconnected conductive parts	· 电测 · · · · · · · · · · · · · · · · · ·	N
lim	Insulation with varying dimensions	a series and the series and the series and the series are series and the series are series and the series are series are series and the series are series	N
Kampliance Harris	Special separation requirements	- 60	N
Dal .	Insulation in circuits generating starting pulses		N
2.10.2	Determination of working voltage	The American Transfer of the Company	N
2.10.3	Clearances	Same and the same of the same	N
2.10.3.1	General	1 300	N
2.10.3.2	Mains transient voltages		N N
	a)AC mains supply	A TAMES OF THE STATE OF THE STA	N
~11	b)Earthed d.c. mains supplies	-G	N
Diance This	c)Unearthed d.c. main supplies	100	N

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Clause	Requirement – Test	Result – Remark	Verdict
E AM	d)Battery operation:	60 60	N
2.10.3.3	Clearances in primary circuits		N
2.10.3.4	Clearances in secondary circuits		N
2.10.3.5	Clearances in circuits having starting pulses	T. Committee Space	on of O
2.10.3.6	Transients from a.c. mains supply:	Comment of the state of the sta	N
2.10.3.7	Transients from d.c. mains supply:	CO Pro	N
2.10.3.8	Transients from telecommunication networks and cable distribution systems:	不是想 不不是那	N S
2.10.3.9	Measurement of transient voltage levels	Same and the same of the same	Z
® 5	a)Transients from a mains supply	I TO DE	Ν
EG Attest	For a.c. mains supply		₩ N
	For d.c. mains supply:	T. T	N
	b)Transients from	© Ametalian d	N
2.10.4	Creepage distances	60	N
2.10.4.1	General		N
2.10.4.2	Material group and comparative tracking index	The state of the s	N
	CTI tests	The comment of the co	N
2.10.4.3	Minimum creepage distances	100 NO	N
2.10.5	Solid insulation	JD.	M N
2.10.5.1	General	The state of the s	N
2.10.5.2	Distances through insulation	(8) A The Columbia	N
2.10.5.3	Insulation compound as solid insulation		N
2.10.5.4	Semiconductor device		N
2.10.5.5	Cemented joints		N
2.10.5.6	Thin sheet material - General	And comme	N
2.10.5.7	Separable thin sheet material	-C ****	N
bal Comp.	Number or layers(pcs):		N
2.10.5.8	Non-separable thin sheet material	投票 环境点	o N
2.10.5.9	Thin sheet material – standard test procedure	S Francisco	C N
工枪	Electric strength test	, CO " NO	N
2.10.5.10	Thin sheet material – alternative test procedure	and a	: N
Atteson	Electric strength test	· · · · · · · · · · · · · · · · · · ·	omplianus N
2.10.5.11	Insulation in wound components	S SE Julin d'Odd	N
2.10.5.12	Wire in wound components	60 - 60	N
Combination	Working voltage:	-111	N

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
2 100°	a)Basic insulation not under stress:	GO GO .	N
Comp.	b)Basic, supplementary, reinforced insulation:		N
Alles lall	c)Compliance with Annex U		Nimpilan
,	Two wires in contact inside wound component; angle between 45° and 90°		lond Car N
2.10.5.13	Wire with solvent-based enamel in wound components	CC DO	N
- 6	Electric strength test	报	_o N
	Rountine test	S SE MAN COMME	N
2.10.5.14	Additional insulation in wound components	20	N
Allestr	Working voltage		_m N
5	-basic insulation not under stress	下程,前60	mpliance N
	-Supplementary, reinforced insulation	S S S S S S S S S S S S S S S S S S S	N
2.10.6	Construction of printed boards	60 60	N
2.10.6.1	Uncoated printed boards		N
2.10.6.2	Coated printed boards	The templace	N
2.10.6.3	Insulation between conductors on the same inner surface of a printed board	The state of the s	station N
2.10.6.4	Insulation between conductors on different layers of a printed board		N
×0	Distance through insulation	The Things the Things of	N
	Number of insulation layers(pcs)	© A Find Colonia	N
2.10.7	Component external terminations		N
2.10.8	Tests on coated printed boards and coated components		N ₂
2.10.8.1	Sample preparation and preliminary inspection	A Samuel	ellon of N
2.10.8.2	Thermal conditioning	C Marie dollario	N
2.10.8.3	Electric strength test	100 P	N
2.10.8.4	Abrasion resistance test	多视 检测	N
2.10.9	Thermal cycling	The comment of the state of the	N
2.10.10	Test for Pollution Degree 1 environment and insulating compound	CC TO	N
2.10.11	Test for semiconductor devices and cemented joints	玉 · 题 · 题	N M
2.10.12	Enclosed and sealed parts	100 C The state of	N

Sdo	3	WIRING, CONNECTIONS AND SUPPLY	P
- 1	3670		. 1888

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	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
3.1	General	CO CO	Р		
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.	P P		
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		N		
3.1.6	Screws for electrical contact pressure		N		
3.1.7	Insulating materials in electrical connections	· · · · · · · · · · · · · · · · · · ·	mplande N		
3.1.8	Self-tapping and spaced thread screws	The state of the s	N_		
3.1.9	Termination of conductors	- C *** GO	N		
publiance	10 N pull test		N ,		
3.1.10	Sleeving on wiring	The Parising	N KE		

3.2	Connection to a mains supply	CC MILL CO	N
3.2.1	Means of connection	Class III equipment	N
3.2.1.1	Connection to an a.c. mains supply	加工性	N
3.2.1.2	Connection to a d.c. mains supply	S M. June Company	N
3.2.2	Multiple supply connections	® Management CC	N
3.2.3	Permanently connected equipment		N .
3C ****	Number of conductors, diameter (mm) of cable and conduits		
3.2.4	Appliance inlets	dent Control (S. M. Jonatolous C. C. Australia	N
3.2.5	Power supply cords	2C - 30	N
3.2.5.1	AC power supply cords		N
NO	Type	The state of the s	
A.	Rated current (A), cross-sectional area (mm²), AWG	CO Marine NO	
3.2.5.2	DC power supply cords		N
3.2.6	Cord anchorages and strain relief	拉	ompliance N
	Mass of equipment (kg), pull (N)	to Signature Office of Contract of Contrac	
- 7 ¹¹	Longitudinal displacement (mm)	2G - GO	
3.2.7	Protection against mechanical damage		N

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EN 60950-1					
Clause	Requirement – Test	Result – Re	emark		Verdict
3.2.8	Cord guards	GO "	20°		N
Court	D (mm); test mass (g)				
Artesta	Radius of curvature of cord (mm)	-all	TIME:		
3.2.9	Supply wiring space	Kindliance Manager	The Complete	© ## str	on of Gran

3.3	Wiring terminals for connection of external con-	ductors	N
3.3.1	Wiring terminals	1111	N "
3.3.2	Connection of non-detachable power supply cords	Marine State Company	N
3.3.3	Screw terminals	The same of the sa	N
3.3.4	Conductor sizes to be connected	- 10 AL	₩ N
9	Rated current (A), cord/cable type, cross-sectional area (mm²)	S SE STATE CONTRACTOR OF SECULOR SECUL	
3.3.5	Wiring terminal sizes	CO = CO	N
omplan ®	Rated current (A), type and nominal thread diameter (mm)	No. of the same	
3.3.6	Wiring terminals design	The state of the s	Janon N
3.3.7	Grouping of wiring terminals	CO TO	N
3.3.8	Stranded wire	10	N

3.4	Disconnection from the mains supply		N
3.4.1	General requirement	Class III equipment	N
3.4.2	Disconnect devices		N
3.4.3	Permanently connected equipment		No compliant
3.4.4	Parts which remain energized	TO THE STATE OF TH	anon of Circle
3.4.5	Switches in flexible cords	O Mariano CO	N
3.4.6	Single-phase equipment and d.c. equipment	30	N
3.4.7	Three-phase equipment		N
3.4.8	Switches as disconnect devices	The Common of th	® N
3.4.9	Plugs as disconnect devices	3 Martin de Color	N
3.4.10	Interconnected equipment	1 100	N
3.4.11	Multiple power sources	:10	N

3.5	Interconnection of equipment	omplian ® Medicinion on S.	- Ca Milestania	P
3.5.1	General requirements	100	6	Р
3.5.2	Types of interconnection circuits	: SELV circuit only.	W. All	Р

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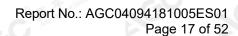
	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
3.5.3	ELV circuits as interconnection circuits	No ELV interconnections.	N		
3.5.4	Data ports for additional equipment		P		

4	PHYSICAL REQUIR	REMENTS	In the	philance EN	a Compliance (S. Santaste	or of Com
4.1	Stability	® Figure of Glove	® Martin of Goban	(R) Allestation of Orm	100	N
ation of Global	Angle of 10°	30	C N	60		N
Alles	Test: force (N)			lin:	ALL THE	N 🦔

4.2	Mechanical strength		Р
4.2.1	General Age and a second and a second a	See below	Р
30	Rack-mounted equipment.	点型 工程	Tipliano N
4.2.2	Steady force test, 10 N	3 State of the sta	N.
4.2.3	Steady force test, 30 N	C C	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	The Strangerow	N
	Fall test	The Company of the Co	N
极	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°C, 7hours, no hazard.	P
4.2.8	Cathode ray tubes	No cathode ray tube.	N
(B) Attested	Picture tube separately certified		N
4.2.9	High pressure lamps	No high pressure lamp	N
4.2.10	Wall or ceiling mounted equipment; force (N):	Application (8) All Frid Grand Communication	N

4.3	Design and construction		Р
4.3.1	Edges and corners	Edges and corners are rounded.	® P
4.3.2	Handles and manual controls; force (N)	3 May Single Colonia 8 May and Colonia Colonia	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.	P
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
Compliance	Torque		N

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
TIII) Compliance	Compliance with the relevant mains plug standard	Co Co	N
4.3.7	Heating elements in earthed equipment	No heating elements.	N
4.3.8	Batteries	报· 不 程	n of Circle P
*F. 1	-Overcharging of a rechargeable battery	(see appended table 4.3.8)	Р
Figure of Global Comp.	-Unintentional charging of a non-rechargeable battery	Rechargeable battery	N
, G	-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.	M N
4.3.11	Containers for liquids or gases	No containers for liquids or gases	N_
4.3.12	Flammable liquids	The equipment does not contain flammable liquid.	N
(B) 1842	Quantity of liquid (I)	11	N _A
AC ALLO	Flash point (°C)	大型 天 To Tolking	Nacon
4.3.13	Radiation; type of radiation	Market Company Co. St. Market Co. Market	Р
4.3.13.1	General		Р
4.3.13.2	lonizing radiation	No ionizing radiation	M N
esto.	Measured radiation (pA/kg)	· · · · · · · · · · · · · · · · · · ·	o <u></u>
	Measured high-voltage (kV)	O THE desiration of the state o	
	Measured focus voltage (kV)		
® Statio	CRT markings		
4.3.13.3	Effect of ultraviolet (UV) radiation on materials	No ultraviolet radiation	F Cho N Compil
-11	Part, property, retention after test, flammability classification	Sand Company Of State	N
4.3.13.4	Human exposure to ultraviolet (UV) radiation:	GO	N
4.3.13.5	Lasers (including laser diodes) and LEDs	LEDs for indicator only	Р
4.3.13.5.1	Lasers (including laser diodes)	The templanes The debate comment	N. Market
	Laser class	Manufacture C Manufacture VC	
4.3.13.5.2	Light emitting diodes (LEDs)	Indicating LED only.	Р
4.3.13.6	Other types	100	N N

4.4	Protection against hazardous moving parts	C Milestant C.C American	N
4.4.1	General	No hazardous moving parts.	N

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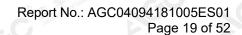


	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
4.4.2	Protection in operator access areas	GO GO .	N
COMP.	Household and home/office document/media shredders		N ill
4.4.3	Protection in restricted access locations	表型。 不是型。	on of Circle N
4.4.4	Protection in service access areas	See Comment of the Co	N
4.4.5	Protection against moving fan blades	CO **	N
4.4.5.1	General		N
\G	Not considered to cause pain or injury. a)	不是 The Target T	N
	Is considered to cause pain, not injury. b)	Mary de Colombia Colo	O N
(8) ## ₆	Considered to cause injury. c)	S CO	N
4.4.5.2	Protection for users		₩ N
	Use of symbol or warning	The Manager of The Ma	N
4.4.5.3	Protection for service persons	© All and the second of the se	N
The same	Use of symbol or warning:	40 100	N

4.5	Thermal requirements	The state of the s	P
4.5.1	General	State Comment	Р
4.5.2	Temperature tests	(see appended table 4.5)	Р
etation of Globa	Normal load condition per Annex L		
4.5.3	Temperature limits for materials	(see appended table 4.5)	P
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 M

4.6	Openings in enclosures		C 3 Tree of the same	N
4.6.1	Top and side openings		0	N
oal Comp.	Dimensions (mm)	0	-till	
4.6.2	Bottoms of fire enclosures	HE diance	The Compliance	0 N
	Construction of the bottom	S S S S S S S S S S S S S S S S S S S	of Globa	
4.6.3	Doors or covers in fire enclosures	Mesta CO A		N
4.6.4	Openings in transportable equipment	rail		∭ N
4.6.4.1	Constructional design measures	The Compliance	The state of	N
	Dimensions(mm)	(8) State of Globa	® Attestation of C	N
4.6.4.2	Evaluation measures for larger openings	CO - CO		N
4.6.4.3	Use of metallized parts		:701	N ,

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and manage			Illine		
	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
4.6.5	Adhesives for constructional purposes	GO GO	N		
Comp	Conditioning temperature (°C), time (weeks):				

4.7	Resistance to fire	K Tombood St. Tombood St.	P P
4.7.1	Reducing the risk of ignition and spread of flame	Use of plastic with the required flammability classes.	Р
	Method 1, selection and application of components wiring and materials	Method 1 used	P
	Method 2, application of all of simulated fault condition tests	A The state of the	N Status
4.7.2	Conditions for a fire enclosure	See appended table 1.5.1	Р
4.7.2.1	Parts requiring a fire enclosure	***	₩ P
4.7.2.2	Parts not requiring a fire enclosure	The Company of The Country	N
4.7.3	Materials	® American de la Amer	P
4.7.3.1	General	60 100	Р
4.7.3.2	Materials for fire enclosures	See appended table 1.5.1	Pto
4.7.3.3	Materials for components and other parts outside fire enclosures	Kataman Samuel S	station of 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	liauco N
4.7.3.6	Materials used in high-voltage components	No high voltage components.	Ñ 🏇

5	ELECTRICAL REQUIREMENTS AND SIMULATED	D ABNORMAL CONDITIONS	P
5.1	Touch current and protective conductor current	301	N
5.1.1	General	Balance Translation S	ation of Glob
5.1.2	Equipment under test (EUT)	® # Hindural	N
5.1.2.1	Single connection to an a.c. mains supply	GO	N
5.1.2.2	Redundant multiple connections to an a.c. mains supply	大概·删	N ® ##
5.1.2.3	Simultaneous multiple connections to an a.c. mains supply	A A A A A A A A A A A A A A A A A A A	N
5.1.3	Test circuit	10	N
5.1.4	Application of measuring instrument	拉那	ompliance N
5.1.5	Test procedure	to Same Andread Comments	N
5.1.6	Test measurements	CO 200	N
Compliance	Test voltage (V)		N

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EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict
17 TOO .	Measured touch current (mA)	GO - GO	N
Comp	Max. allowed touch current (mA)		N and
Alleste	Measured protective conductor current (mA):		N
3	Max. allowed protective conductor current (mA) .:	The state of the s	N
5.1.7	Equipment with touch current exceeding 3.5 mA:	and the state of t	N
5.1.7.1	General	CO P	N
5.1.7.2	Simultaneous multiple connections to the supply	1111	N /
5.1.8	Touch currents to and from telecommunication networks and cable distribution systems and from telecommunication networks	The state of the s	G N
5.1.8.1	Limitation of the touch current to a telecommunication network and a cable distribution system	T. H. Marine	N
	Test voltage (V)	© Amelinand Co.	N
-niance	Measured touch current (mA)	60	N
® %	Max. allowed touch current (mA)	100	N
5.1.8.2	Summation of touch currents from telecommunication networks	The transfer of the transfer of the control of the transfer of	Station of N
地	a)EUT with earthed telecommunication ports:		N
estation of Global Comm	b)EUT whose telecommunication ports have no reference to protective earth	河	M N

5.2	Electric strength	a financial and the second	N
5.2.1	General	Class III equipment	N
5.2.2	Test procedure		The Normaliane

5.3	Abnormal operating and fault conditions	not cloud Com @ Management Com Am	P
5.3.1	Protection against overload and abnormal operation	(see appended table 5.3)	Р
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)	Р
5.3.5	Electromechanical components		N
5.3.6	Audio amplifiers in ITE	The Third Comment of the Third Comment	Р
5.3.7	Simulation of faults	Result see appended table 5.3.	Р
5.3.8	Unattended equipment	100	N

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	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
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.	Th Populario		
5.3.9.2	After the tests	No fire, no danger.	P P		

6 Cloball	CONNECTION TO TELECOMMUNICATION NETWORKS	N
6.1	Protection of telecommunication network service persons, and users of other equipment connected to the network, from hazards in the equipment	
6.1.1	Protection from hazardous voltages	
6.1.2	Separation of the telecommunication network from earth	
6.1.2.1	Requirements	# N
	Test voltage (V)	<u></u>
	Current in the test circuit (mA)	
6.1.2.2	Exclusions	N

6.2	Protection of equipment users from overvoltages on telecommunication networks		
6.2.1	Separation requirements	G N	
6.2.2	Electric strength test procedure	N	
6.2.2.1	Impulse test	N N	
6.2.2.2	Steady-state test	The soul N	
6.2.2.3	Compliance criteria	N	

6.3	Protection of the telecommunication wiring system from overheating		N	
30	Max. output current (A)	THE THE	THE STATE OF THE S	
	Current limiting method	Propal Complia	S A Trod Cooking	

7	CONNECTION TO CABLE DISTRIBUTION SYSTEMS		N
7.1	General	The state of the s	0 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 BOO MARKET NO.	ON
7.3	Protection of equipment users from overvoltages on the cable distribution system	S. S	Sornalization N
7.4	Insulation between primary circuits and cable distribution systems	GC SGC	N

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EN 60950-1					
Clause	Requirement – Test	Result – Remark	Verdict		
7.4.1	General	CO CO .	N		
7.4.2	Voltage surge test		N and		
7.4.3	Impulse test	100	The Name		

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
A	ANNEX A, TESTS FOR RESISTANCE TO HEAT	AND FIRE	N
A.1	Flammability test for fire enclosures of movable eq exceeding 18 kg, and of stationary equipment (see		N
A.1.1	Samples	· 投票	
A.S.	Wall thickness (mm)	South Comments of the State of Comments of the State of State of Comments of State o	
A.1.2	Conditioning of samples; temperature (°C)	CC ***	N
A.1.3	Mounting of samples		N
A.1.4	Test flame (see IEC 60695-11-3)	环 整 一	N
	Flame A, B, C or D	® # John of Calculation	
A.1.5	Test procedure	7 - 60	N
A.1.6	Compliance criteria	110	, ∰N
	Sample 1 burning time (s)	A 环境。	
	Sample 2 burning time (s)	© Martiner de Allestonie	
All Marco	Sample 3 burning time (s)		
A.2	Flammability test for fire enclosures of movable eq exceeding 18 kg, and for material and components 4.7.3.2 and 4.7.3.4)		N M
A.2.1	Samples, material	20 mm	
The tel	Wall thickness (mm):	10	
A.2.2	Conditioning of samples	-101	N N
A.2.3	Mounting of samples	The tempore of the temporary	N
A.2.4	Test flame (see IEC 60695-11-4)	® ## Junior of Co.	N
	Flame A, B or C		
A.2.5	Test procedure	- 101	N
A.2.6	Compliance criteria	· 技术 · · · · · · · · · · · · · · · · · ·	N
	Sample 1 burning time (s)	College College (September 1997)	
KI THE	Sample 2 burning time (s):	60	
231 CO),	Sample 3 burning time (s)		
A.2.7	Alternative test acc. To IEC 60695-2-2, cl. 4 and 8	S. A. S. Commission S. M. Lind of Commission	N
- K	Sample 1 burning time (s)	CO "	
The world Global	Sample 2 burning time (s)	Inc	
Attesta	Sample 3 burning time (s)	明 环境。	
A.3	Hot flaming oil test (see 4.6.2)	offe (a) All miles of colors	N
A.3.1	Mounting of samples	60 - 60	N
A.3.2	Test procedure	-ath	N

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	EN 60950-1					
Clause	Requirement – Test		Result – Rema	ark	Verdict	
A.3.3	Compliance criterion	(B) The son of clobal control	- GO "	20 ×	N	

BO	ANNEX B, MOTOR TESTS UNDER ABNORMAL CONDITIONS (see 4.7.2.2 and 5.3.2)	JAN N Sample of
B.1	General requirements	N
- F Global Co	Position	
Attestation Attestation	Manufacturer	
N C	Type:	
	Rated values	
B.2	Test conditions	N
B.3	Maximum temperatures	N
B.4	Running overload test	o Moornolling N
B.5	Locked-rotor overload test	N
I Allance	Test duration (days)	
© 4	Electric strength test: test voltage (V)	
B.6	Running overload test for d.c. motors in secondary circuits	Attestation C Nobal Co.
B.6.1	General	N
B.6.2	Test procedure	, N
B.6.3	Alternative test procedure	ompliance N
B.6.4	Electric strength test; test voltage (V)	N
B.7	Locked-rotor overload test for d.c. motors in secondary circuits	N
B.7.1	Test procedure	N 🕬
B.7.2	Alternative test procedure; test time (h)	IN Somplian
B.7.3	Electric strength test	nestation of N
B.8	Test for motors with capacitors	N
B.9	Test for three-phase motors	N
B.10	Test for series motors	N #
	Operating voltage (V)	

C F The	ANNEX C, TRANSFORMERS (see 1.5.4 and 5.3.3)		
Attestation	Position	: No transformers	
	Manufacturer		
LID:	Type	- C ***********************************	
Compliance	Rated values		

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	EN 60950-1						
Clause	Clause Requirement – Test Result – Remark						
1111 mm	Method of protection	- CO "	20°	No.			
C.1	Overload test				N sal		
C.2	Insulation	litra.	- JIII		The Normaliance		
9	Protection from displacement of windings	K Compliance	The Kill Compliance	® %	station of Cal		

D To Cloball	ANNEX D, MEASURING INSTRUME	NTS FOR TOUC	H-CURRENT TE	STS (see 5.1.4)	N
D.1	Measuring instrument		liti:	10 TH	N A
D.2	Alternative measuring instrument	- IIII	The Kill Compillation	F Global Comp.	N _{ullestation}

E ®	ANNEX E, TEMPERATURE RISE OF A WINDING (see 1.4.13)	N
30,110,5	A STAN THE S	

F	ANNEX F, MEASUREME	NT OF CLEARANCES AN	ID CREEPAGE DIS	TANCES	N
	(see 2.10)			Affest allo	

G o	ANNEX G, ALTERNATIVE METHOD FOR DETEI	RMINING MINIMUM CLEARANCES	N
G.1	Clearances	The state of the s	N N
G.1.1	General	Figure Comments Constitution Co	Allestia N
G.1.2	Summary of the procedure for determining minimum clearances	No. You	N
G.2	Determination of mains transient voltage (V):	T. 10	ompliance N
G.2.1	AC mains supply	S. Marian Commission C	N
G.2.2	DC mains supply	Augustion CO	N
G.2.3	Unearthed DC mains supply		N A
G.2.4	Battery operation		IN Complete
G.3	Determination of telecommunication network transient voltage (V)	The state of the s	N N
G.4	Determination of required withstand voltage (V):	30	N
G.4.1	Mains transients and internal repetitive peaks:		N
G.4.2	Transients from telecommunication networks:	The Management of The Community of the C	N Attestation
G.4.3	Combination of transients	© Martin de Color	N
G.4.4	Transients from cable distribution systems) CO P	N
G.5	Measurement of transient levels (V)	70	N
100	a) Transients from a mains supply	M. T. T. Commission of The	ogl Comm
	For an a.c. mains supply	O Manual Control of the Control of t	N
This sales	For a d.c. mains supply	700 YOU	N
©	b) Transients from a telecommunication network		N ®

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M. Malco		:1111	-11172-			
	EN 60950-1					
Clause	Requirement – Test	Result – Remark	Verdict			
G.6	Determination of minimum clearances	GO " GO "	N			
COMP	Alleston Barastan					

H Saffe stall	ANNEX H, IONIZING	RADIATIO	ON (see 4.3.13)	lite	- 700	TK N Smillenge
			Transaction and the second	-247.3	36651	2 CM

J	ANNEX J, TABLE OF ELECTROCHEMICAL POTENTIALS (see 2.6.5.6)			
Je jon of Global C	Metal used			

K	ANNEX K, THERMAL CONTROLS (see 1.5.3 and 5.3.7)		
K.1	Making and breaking capacity		N
K.2 6	Thermostat reliability; operating voltage (V):		N
K.3	Thermostat endurance test; operating voltage (V)	T. T	Compland N
K.4	Temperature limiter endurance; operating voltage (V)	20° - 30°	N
K.5	Thermal cut-out reliability	:11	N
K.6	Stability of operation	The Company	N _{ood} compl

L	ANNEX L, NORMAL LOAD CONDITIONS FOR SOME TYPES OF ELECTRICAL BUSINESS EQUIPMENT (see 1.2.2.1 and 4.5.1)		
L.1	Typewriters	in Y	N N
L.2	Adding machines and cash registers	The Committee Of Fred Cloud	N &
L.3	Erasers	® ## striked on a Comment	N
L.4	Pencil sharpeners		N
L.5	Duplicators and copy machines		N Kill Indian
L.6	Motor-operated files	T Kannon S S	Estation of N
L.7	Other business equipment	diction @ # paint of the	P

M	ANNEX M, CRITERIA FOR TELEPHONE RINGING SIGNALS (see 2.3.1)					
M.1	Introduction	The Marketon The State of Communication of the Comm	N Attestation			
M.2	Method A	© ## Julion of Cub. © ###	N			
M.3	Method B	C CO P	N			
M.3.1	Ringing signal	700	N			
M.3.1.1	Frequency (Hz)	M. The Comment of the				
M.3.1.2	Voltage (V)					
M.3.1.3	Cadence; time (s), voltage (V)	700				
M.3.1.4	Single fault current (mA)					

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	EN 60950-1					
Clause	Requirement – Test	Result – Remark	Verdict			
M.3.2	Tripping device and monitoring voltage	GO GO	N			
M.3.2.1	Conditions for use of a tripping device or a monitoring voltage		N AND AND AND AND AND AND AND AND AND AN			
M.3.2.2	Tripping device	发现。	Find CivN			
M.3.2.3	Monitoring voltage (V):	Constitution (a) The state of course CO for	N			

N	ANNEX N, IMPULSE TEST GENERATORS (see 2.10.3.4, 6.2.2.1, 7.3.2 and clause G.5)				
N.1	ITU-T impulse test generators	S A Land County	N		
N.2	IEC 60065 impulse test generator	- C *** CO	N		

ANNEX P, NORMATIVE REFERENCES	T Boloro Tr	Compliance
-------------------------------	-------------	------------

Q	ANNEX Q, Voltage dependent resistors (VDRS) (see 1.5.9.1)		
Compliance	-Preferred climatic categories		N
- C	-Maximum continuous voltage	The Sometimes	N _{bod} compl
0	-Combination pulse current	The Commune @ Mind the or of Control of Cont	Attestation N
环境	Body of the VDR Test according to IEC 60695- 11-5	NGO FOO	N
Allestation of Giova	Body of the VDR. Flammability class of material (min V-1)		ondiano N

R	ANNEX R, EXAMPLES OF REQUIREMENTS FOR QUALITY CONTROL PROGRAMMES				
R.1	Minimum separation distances for unpopulated coated printed boards (see 2.10.6)	The state of	不管	ill Barce	N complete
R.2	Reduced clearances (see 2.10.3)	of Global Co.	® Fration of Globs	CO	N

S	ANNEX S, PROCEDURE FOR IMPULSE TESTING (see 6.2.2.3)					N
S.1	Test equipment	liti:	1/10	ompliance 2	The North Pilane	N
S.2	Test procedure	The Computance	® Fatalion of Glove	(B) Attestation of		N
S.3 💉	Examples of waveforms duri	ng impulse testing	0 .	GU		N

T ANNEX T, GUIDANCE	ANNEX T, GUIDANCE ON PROTECTION AGAINST INGRESS OF WATER					
(see 1.1.2)	Kil nollance	The Compliance	® Management of Glob	(B) Allestation (C)		

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
Compliance	ANNEX U, INSULATED WINDING WIRES FOR UINSULATION (see 2.10.5.4)	SE WITHOUT INTERLEAVED	N
© \$	AGO AGO		不恒
V	ANNEX V, AC POWER DISTRIBUTION SYSTEMS	S (see 1.6.1)	Find N
V.1	Introduction	Commission (S. A. Internal Classes)	N
V.2	TN power distribution systems	CC **	N
in astation			
W	ANNEX W, SUMMATION OF TOUCH CURRENTS	T. E. T. S.	O N
W.1	Touch current from electronic circuits	© Marting of Carolina (Carolina Carolina Carolin	N
W.1.2	Earthed circuits) ** - CO	N
W.2	Interconnection of several equipments	:10	N
W.2.1	Isolation	M The transfer of The	N
W.2.2	Common return, isolated from earth	(S) Affectulor of Case (S) Affect (S) Af	N
W.2.3	Common return, connected to protective earth	60 00	N
® 4	E Andread CO		- 16
x-O	ANNEX X, MAXIMUM HEATING EFFECT IN TRA C.1)	NSFORMER TESTS (see clause	N bat C
X.1	Determination of maximum input current		N
X.2	Overload test procedure		N
estation	CC TO THE STATE OF	W. W.	Compliance
Y	ANNEX Y, ULTRAVIOLET LIGHT CONDITIONING	G TEST (see 4.3.13.3)	N
Y.1	Test apparatus:		N
Y.2	Mounting of test samples:		N
Y.3	Carbon-arc light-exposure apparatus:		N
Y.4	Xenon-arc light exposure apparatus	The Completion of the Completi	N
-100	The state of the s	de a la l	
Z	ANNEX Z, OVERVOLTAGE CATEGORIES(see2.	10.3.2 and Clause G.2)	N
~ 6	O CO E	110	
AA	ANNEX AA, MANDREL TEST (see 2.10.5.8)	Entra Company	N
3	The state of the s	Marian C Fineston	0
BB _A	ANNEX BB, CHANGES IN THE SECOND EDITIO	N O	
Attestation of	- CO - CO - D	10 mg	Windlance Jan
CC	ANNEX CC, Evaluation of integrated circuit (IC)	circuit limiters	N
CC.1	General	-C	N
CC.2	Test program 1	10- 10-	N

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and The Wall			-1117		
	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
CC.3	Test program 2	GO " GO "	N		
CC.4	Test program 3		N		
CC.5	Compliance	311	N		

DD 🤘	ANNEX DD, requirements for the mounting means of rack-mounted equipment			N
DD.1	General	100 ×		N
DD.2	Mechanical strength test, variable N	- July	- FINA	N
DD.3	Mechanical strength test, 250N, including end stops	S St. Januar Completion	3 Marchan of Columbia	N
DD.4	Compliance	1 360		N

EE	ANNEX EE, Household and home/office document	/media shredders	Ν
EE.1	General	© Manufacture C	N
EE.2	Marking and instructions	60 00	N
© 4	Use of markings or symbols	111	N
CC	Information of user instructions, maintenance and/or servicing instructions	The second secon	N
EE.3	Compliance	- CO - CO	N
EE.4	Disconnection of power to hazardous moving parts		N
	Use of markings or symbols	S. The Country of the	N
EE.5	Protection against hazardous moving parts	and the second	N
@ #s	Test with test finger (figure 2A)		N
- Carrie	Test with wedge probe (figure EE1 and EE2):	, interest of	N

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Clause	Requiren	nent – Test			Res	sult – Remark	Verdict
. ∯ EN	60950-1:20	006/A11:2009/A	\1:2010/A12:2	2011/A2:2013 – 0	CENELEC CO	MMON MODIFICAT	IONS
Compliance (8)		subclauses, no 0-1 and it's am		nd figures which a prefixed "Z"	are additional	to those in	
Contents (A2:2013)	Annex ZE	3 (normative)	Normative refectories ponding Special natio	erences to intern g European public nal conditions IELEC code desi	cations		P
General				reference docum	ent (IEC 6095	0-1:2005)	P
	1.4.8	to the following to the	ig list: 1.5.1	Note 2 & 3	1.5.7.1	Note	C ATTESTOR
	1.5.8	Note 2	1.5.9.4	Note 2 & 5	1.7.2.1	Note 4, 5 & 6	
	2.2.3	Note	2.2.4	Note	2.3.2	Note	111172
	2.3.2.1	Note 2	2.3.4	Note 2	2.6.3.3	Note 2 & 3	Compliance
	2.7.1	Note	2.10.3.2	Note 2	2.10.5.13	Note 3	~ 6
	3.2.1.1	Note	3.2.4	Note 3	2.5.1	Note 2	
	4.3.6	Note 1 & 2	4.7	Note 4	4.7.2.2	Note	
	4.7.3.1	Note 2	5.1.7.1	Note 3 & 4	5.3.7	Note 1	五 1 kg
	6	Note 2 & 5	6.1.2.1	Note 2	6.1.2.2	Note	Allestation of Gill
	6.2.2	Note	6.2.2.1	Note 2	6.2.2.2	Note	
	7.1	Note 3	7.2	Note	7.3	Note 1 & 2	-011
	G.2.1	Note 2	Annex H	Note 2			nplants
General A1:2010)		the "country" r to the following		ference docume	nt (IEC 60950	-1:2005/A1:2010)	P
	1.5.7.1	Note		6.1.2.1	Note 2		
(S) ### 110 ST	6.2.2.1	Note 2	10	EE.3	Note		
Seneral A2:2013)	according 2.7.1 6.2.2.	to the following Note * Note	g list:	ference documer 2.10.3.1 Modification remains	Note 2	-1:2005/A2:2013) ed.	Find Port
.1.1 A1:2010)	Replace 1	the text of NOT he requirements	E 3 by the fol of EN 60065 m		meet safety re	quirements for	 ® 4

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
1.3.Z1	Add the following subclause:		60
	1.3.Z1 Exposure to excessive sound pressure		Р
	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	A CO	A Company
	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.	GG Market of State Company	
(A12:2011)	In EN 60950-1:2006/A12:2011		
	Delete the addition of 1.3.Z1 / EN 60950-1:2006	16 TH	P液
aG AM	Delete the definition 1.2.3.Z1 / EN 60950-1:2006 /A1:2010	The Compile	* Glopal Co
1.5.1 (Added info*)	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 *	C	N
1.7.2.1 (A1:2010)	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 The second sec
1.7.2.1 (A12.2011)	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.	THE PARTY OF	IN NO TOTAL
	Zx Protection against excessive sound pressure from person	nal music players	-(0
	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	The state of the s	N
	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	CC TO A	Maria Mills
	 primarily uses headphones or earphones that can be worn in or on or around the ears; allows the user to walk around while in use. 	C financia	NG

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EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict	
校 d Comphanes @ 類	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.	NGC "	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.	The state of the s	Attention of Global Committee	
	The requirements in this sub-clause are valid for music or video mode only.	-131		
	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.			
	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.	ACC Management	NG THE	
	 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. 		The state of the s	
	For equipment which is clearly designed or intended for use by young children, the limits of EN 71-1 apply.	CC	GO	
GC "	Zx.2 Equipment requirements No safety provision is required for equipment that complies with the following:	The state of the s	N N	
	 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 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. 	CC The state of th	GC Find	
	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.	The state of the s	Conditions	

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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.	evel	N jill	
	not exceeding those mentioned above when the power is switched off; and c) provide a means to actively inform the user of the increa sound pressure when the equipment is operated with an acoustic output exceeding those mentioned above. Any	© The station of the	NG.	
	means used shall be acknowledged by the user before activating a mode of operation which allows for an acoust output exceeding those mentioned above. The acknowledgement does not need to be repeated more the once every 20 h of cumulative listening time; and	Alles Lillon		
	NOTE 2 Examples of means include visual or audible signals. Action from the user is always required. NOTE 3 The 20 h listening time is the accumulative listening to independent how often and how long the personal music played has been switched off. d) have a warring as appointed in 7x 2; and		P.C.	
	 d) have a warning as specified in Zx.3; and 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 		The state of the s	
	 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 5032, while playing the fixed "programme simulation noise" described in EN 50332-1. 	332-		
	For music where the average sound pressure (long term LAeq,T) measured over the duration of the song is lower the average produced by the programme simulation noise, warning does not need to be given as long as the average sound pressure of the song is below the basic limit of 85 dE	the	A STATE OF THE STA	
	In this case T becomes the duration of the song. NOTE 4 Classical music typically has an average sound press (long term LAeq,T) which is much lower than the average programme simulation noise. Therefore, if the player is capable analyse the song and compare it with the programme simulation noise, the warning does not need to be given as long as the	le to on	AC A A	
	average sound pressure of the song is below the basic limit of 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 on 65 dBA, there is no need to give a warning or ask an acknowledgement as long as the average sound level of the s		IN SECOND	

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EN 60950-1					
Clause	Requirement – Test	Result – Remark	Verdict		
GC #	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:	AGC E	N III		
	"To prevent possible hearing damage, do not listen at high volume levels for long periods." Figure 1 – Warning label (IEC 60417-6044)	A A Land Comment			
GC *	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.		A Marian		
	Zx.4 Requirements for listening devices (headphones and	earphones)	N		
Countinus (8)	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.	AGO TA MENTE	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).	C	all and		
	NOTE The values of 94 dBA – 75 mV correspond with 85dBA – 27 mV and 100 dBA – 150 mV.	E. T.	poli Compliance		
GC F	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.	AGC # Management	N N N N N N N N N N N N N N N N N N 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.).	AGC	No.		
	NOTE An example of a wired listening device with digital input is a USB headphone.	mounte Standard Complete	C Amesuni		

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EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict	
	 Zx.4.3 Wireless listening devices 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 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. 	A THE	N A AND THE STREET OF THE STRE	
(S) (M)	NOTE An example of a wireless listening device is a Bluetooth headphone.		700	
	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.	GC Marie Co	N	
Compile	NOTE Test method for wireless equipment provided without listening device should be defined.	报 规	红龙	
2.7.1	Replace the subclause as follows:	® Franciculation	3 Figure of Globs	
	Basic requirements	Allos latin	Alles	
	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):		N 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;	GC Francis	GC *	
GC #	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;	The state of the s	類 Frank Comm	
	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.	A State of the Control of the Contro	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	CC	T. D. W.	
2.7.2	the rating of the wall socket outlet. This subclause has been declared 'void'.	School Con Stranger	N.	
3.2.3		100	N	
J.Z.U	Delete the NOTE in Table 3A, and delete also in this table the conduit sizes in parentheses.	-711/1	N ,	

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	EN 60950-1		
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".	PCC .	GU III
	In Table 3B, replace the first four lines by the following: Up to and including 6 0,75 a)	T. Marine @ 1	The John of Global Complian
	Over 6 up to and including 10 (0,75) b) 1,0 Over 10 up to and including 16 (1,0) c) 1,5	A CO	N
	In the conditions applicable to Table 3B delete the words "in some countries" in condition ^{a)} .		22.5
	In NOTE 1, applicable to Table 3B, delete the second sentence.	alares @ # IT To the training	C Allestation of
3.2.5.1 (A2:2013)	NOTE Z1 The harmonised code designations corresponding to the IEC cord types are given in Annex ZD	CC >	N
3.3.4	In Table 3D, delete the fourth line: conductor sizes for 10 to 13 A, and replace with the following:	环·检···································	N N
	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	station of Goden Goden Committee of the station of	1.GC
4.3.13.6 (A1:2010)	Replace the existing NOTE by the following: NOTE Z1 Attention is drawn to:	No. The state of t	The Manual World Williams
	1999/519/EC: Council Recommendation on the limitation of exposure of the general public to electromagnetic fields 0 Hz to 300 GHz, and	© Francisco de Contra Communicación de Contra Contr	Mestation of Colonia Co.
	2006/25/EC: Directive on the minimum health and safety requirements regarding the exposure of workers to risks arising from physical agents (artifical optical radiation).		711
No	Standards taking into account mentioned Recommendation and Directive which demonstrate compliance with the applicable EU Directive are indicated in the OJEC.	E.C.	ON THE STATE OF TH
Annex H	Replace the last paragraph of this annex by:		100
	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.	T. T. Manually	The state of the s
	Replace the notes as follows: NOTE These values appear in Directive 96/29/Euratom. Delete NOTE 2.	F.C.	100
Bibliography	Additional EN standards.	THE MARCO	<u>_ #</u>

ZA	NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR	
F Thomas	CORRESPONDING EUROPEAN PUBLICATIONS	_

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EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict	
	ZB ANNEX (normative) SPECIAL NATIONAL COND	DITIONS (EN)		
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.		N AN	
1.2.13.14	In Norway and Sweden , for requirements see 1.7.2.1 and 7.3 of this annex.	The substitute of closest comments of the substitute of the substi	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.	W Market Committee	N G	
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).	GU P	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.	C Marketon Country of the Country of	N The state of contract of the state of the	
	The marking text in the applicable countries shall be as follows: In Finland: "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan"	CO MARTINE		
© 套 3	In Norway: "Apparatet må tilkoples jordet stikkontakt"		10 10	
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.	The Manage of the State of the	N	
	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.	CC	CC *	
	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:	To State Committee of Manager of the Committee of the Com	To the state of th	

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EN 60950-1					
Clause	Requirement – Test	Result – Remark	Verdict		
相加加	ZB ANNEX (normative) SPECIAL NATIONAL CONI	DITIONS (EN)	100		
GC #	"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)."	A THE STANDARD CONTRACTOR OF THE STANDARD CONTRA	N 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. Translation to Norwegian (the Swedish text will also be accepted in Norway):				
	"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."	NGC #	P.C.		
	Translation to Swedish:	Elobal Compile	@ # Gobal Co		
	"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."				
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."		GCN STATE OF THE S		
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.	GG The state of th	To Name		

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
KEL MANCO	ZB ANNEX (normative) SPECIAL NATIONAL CON	DITIONS (EN)	CO
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		N N
2.2.4	In Norway , for requirements see 1.7.2.1, 6.1.2.1 and 6.1.2.2 of this annex.	The state of Colonia Compliance (S. S. S	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.	NGO III	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.	® # Jung of Clobal Company	N
2.6.3.3	In the United Kingdom , the current rating of the circuit shall be taken as 13 A, not 16 A.	C CC	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 Maring	N
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.	T. J. A.	N

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
HET MANOR	ZB ANNEX (normative) SPECIAL NATIONAL CONI	DITIONS (EN)	CO
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	A Secretary of the second of t	
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 cord with a plug, this plug shall be in accordance with the Heavy Current Regulations, Section 107-2-D1 or EN 60309-2.		N A THE STATE OF T
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 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. If poly-phase equipment is provided with a supply cord with a plug, this plug shall be in accordance with UNE-EN 60309-2.		N N N N N N N N N N N N N N N N N N N

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
KI JUINO	ZB ANNEX (normative) SPECIAL NATIONAL CONI	DITIONS (EN)	GU
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. NOTE 'Standard plug' is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	A THE THE REAL PROPERTY.	N THE STATE OF THE
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
3.2.4	In Switzerland , for requirements see 3.2.1.1 of this annex.	10	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.	S. S. John Company	N R
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:	C SCC	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.		N N N N N N N N N N N N N N N N N N N
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.	The state of the s	N ® A

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
* · · · · · · · · · · · · · · · · · · ·	ZB ANNEX (normative) SPECIAL NATIONAL CONI	DITIONS (EN)	GU
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 example, in a telecommunication centre; and has provision for a permanently connected PROTECTIVE EARTHING CONDUCTOR; and is provided with instructions for the installation of that conductor by a SERVICE PERSON;		N AND AND AND AND AND AND AND AND AND AN
aG #	• STATIONARY PLUGGABLE EQUIPMENT TYPE B; • STATIONARY PERMANENTLY CONNECTED EQUIPMENT.	:#I	
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: If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	TA THE THE TANK THE T	N
	 two layers of thin sheet material, each of which 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. 	C Francisco	The State of Control Control
	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 the component passes the electric strength test in accordance with the compliance clause below and in addition		GC #

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
KET TOUCO	ZB ANNEX (normative) SPECIAL NATIONAL CONI	DITIONS (EN)	CO
CC #	- 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.	English of Control Con	N illi
	It is permitted to bridge this insulation with an optocoupler complying with 2.10.5.4 b).		
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	The The The Times	® Filtertation of
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	© Allegation of Charles	OC
	- 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;	F. T.	To the state of th
	- the additional testing shall be performed on all the test specimens as described in EN 60384-14:	CC freeze	NO.
	- 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.	The Manual Complants	O # Foldood Commit
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.		N
7.2	In Finland , Norway and Sweden , for requirements see 6.1.2.1 and 6.1.2.2 of this annex. The term TELECOMMUNICATION NETWORK in 6.1.2 being	TA BERTHAM	N. IIII
7.3	replaced by the term CABLE DISTRIBUTION SYSTEM. In Norway and Sweden , for requirements see 1.2.13.14 and 1.7.2.1 of this annex.	The state of circums	N
7.3	In Norway , for installation conditions see EN 60728-11:2005.	-1111	N

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1.5.1	TABLE: list of critical component	S _[1]			P 4
Object/part no.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity
Battery	DongGuan JinHui Battery Technology Co., Ltd	JH 501230	3.7V, 142mAh Max charging current: 142mA Max discharging current: 142mA	IEC 62133	Report No.: 50068991 001
Internal wire	Interchangeable	Interchangeable	28AWG, 80°C	UL758	UL AVLV2
РСВ	Interchangeable	Interchangeable	V-0, 130°C	UL94, UL796	UL ZPMV2
Enclosure	SHENZHEN HALCYON NEW MATERIALS CO LTD	PC201 VG-20R (a)	Min 1.0mm, V-0, 80°C	UL94	UL E233919
Note(s):	Food Clobal Com	Allon of Global Co.	3 60		

1.6.2	TABLE: e	lectrical data (in normal cor	nditions)	- FILL)	P. C.
U (V)	I (A)	I rated (A)	P (W)	Fuse #	I fuse (A)	Condition/status
3.7	0.05		0.19	Altestation of	NG.	Discharge, the EUT was equipped with fully charge battery.
5.0	0.13	0.5	0.65		- 711	Charge, the EUT was equipped with fully discharge battery.
Note(s):	illi:	- FIII	英斯	al Compliance	Find Global Compile	-G

2.1.1.5c)1) TABLE: max. V, A, VA test N						
Voltage (rated) (V)	Current (rated) (A)	Voltage (max.) (V)	Current (max.) (A)	VA (max.) (VA)		
HE 100	- All Juliance	® # Jon of Clopal Co. 8 # January	-C ****	<u> </u>		
Note(s):	© Manager of Chichard	5 60		ini.		

2.1.1.5c)2)	TABLE: stored energy	THE THE	The Compliance	The Compliance	® Alexander N
	Capacitance C (µF)		Voltage U (V)		Energy E (J)
That Compliance	© Mestalion	- 60	-		
Note(s):	0			. *	Johane R. Francis

2.2 TABLE: evaluation of voltage limiting comp	onents in SELV circ	cuits	N
Component (massured between)	max. voltage (V)	Voltage Limiting	
Component (measured between)	Vpeak	Vd.c.	Components
T. E.	The Completion (8)	Management Globs © 3	estation of C
Fault test performed on voltage limiting components	Voltage measure	d (V) in SELV circuits	s (V peak or V d.c.)
			型工程源

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Note(s):						Note(s):
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2.5 TAB	LE: limited power	source measu	rement	CO	60	N
Measured Uoc (V)	with all load circui	its	Isc	(A)	VA	
disconnected:				Limit	Meas.	Limit
		# 1	obal Compiliar Th	ACOmpliance	Hopat Comb	astation
Note(s):	The Computation	Aftestation	(B) Attestation of San	A Allestone		

2.10.2 TABLE: Working vo	tage measurement	报	X Compliance	® N talion of Cir
Location	RMS voltage (V)	Peak voltage (V)	e (V) Comments	
OF FORD COUNTY OF FORD	al Company	4.C **** - 40 *		
Note(s):	CC AMERICAN	C E		III A

2.10.3 and 2.10.4	TABLE: clearance a	TABLE: clearance and creepage distance measurements							
Clearance cl distance dcr	and creepage at/of:	U p (V)	U r.m.s. (V)	Required cl (mm)	cl (mm)	Required dcr (mm)	dcr (mm)		
100			4	- 恒测	(i)	of Glopal Count	Tation of Global		
		- #	Clopal Complian	Francisco Com	CG THEST	-,C	Prince		
Note(s):	ianos II (Global Company	Alles lation	a.C	Attesta	G				

2.10.5 TABLE: distance through insulation	measurements	The Compliance	© Em Horos Clobal	N #
Distance through insulation di at/of:	U r.m.s. (V)	Test voltage (V)	Required di (mm)	di (mm)
Note(s):		KE JAMES	IN Compliance @ g	at tation of Global

4.3.8	TABLE: Batte	eries	Final Componition of Global Componition of G	8	ttestation of Glow	C Attestation	119		Р
The tests of a not available	I.3.8 are appli	cable only v	when approp	oriate batter	y data is			KE Juliance	P
Is it possible	to install the b	attery in a r	everse pola	rity position	?	CIO.	ed connecto attery pack		GN
不	Non-red	chargeable	batteries		ı	Rechargeab	le batteries	3	
® Milestation of Gar	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.

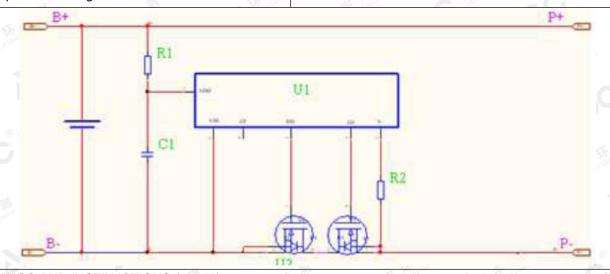
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*MalCo.			Alle				11172	-0	1
Max. current during normal condition	-	- G	The Tollands	130mA	142mA	50mA	142mA	The tomping of the state of the	C - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Max. current during fault condition	Juden Complance	GG ***	<u>2</u> C	135mA	142mA	60mA	142mA	4	— 利
Test results:				Kir - Jus	大村 河	oe s	Tomplance	@ %	Verdict
- Chemical leak	s	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	® Station of C	® 🕵	Tation of Global Co.	No	Globa	C MILL	Р
- Explosion of th	ne battery	- C	,0	CO M	√ C	No			Р
- Emission of fla	me or exp	ulsion of mo	Iten metal			No	To 1	Toplance Till	P
- Electric strength tests of equipment after completion of tests						Standard County			N
Note(s):	Clopal Countille	The Global Compile	® A ion	A Global Centr	C Allestation	a CaC	J. Fillians	100	

4.3.8 TABLE: Batteries	P ®
Battery category	: Lithium-ion Battery
Manufacturer	: See table 1.5.1
Type/model	: See table 1.5.1
Voltage, Capacity	: See table 1.5.1
Circuit protection diagram	: See below of details.



MARKINGS AND INSTRUCTIONS (1.7.13)

Location of replaceable battery	Non-replace	ceable battery	
Language(s)	······································		Till:
Close to the battery		海	hance Tomphace
In the servicing instructions	A: 12 7	The state of the s	® # January Globa
In the operating instructions	ans Global Conne	Attestation	C pies
Note(s):	Attestation		

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4.5	TABLE: maximum t	emperatures	3					pliance P
	Test voltage (V)	F Made Co		a):5.0VDC charge mode; b): Battery discharge only				
mavimum	tomporature T of part/s	~+·			Т (°C)		allowed
maximum	naximum temperature T of part/at:)		b)	Tmax (°C)
PCB near	U2	53	*III	环境.	52.7	130		
PCB near	U5	52.4		estation of Glov	52.2			
Wire from battery				44.3			44.0	
Battery	2C 300			44.8 44.5			Ref.	
Enclosure	inside near PCB	litie	. 1-	47.6 47.1			17.1 ·····	80
Enclosure	outside near PCB	Compliance	T Thomas	45	.7 station of		15.3	70
Ambient	Milestation of Ci		Attestation	40	.0	9 4	10.0	
Tempe	erature T of winding	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	R ₂ (Ω)	T (°C)	Allowed T _{max} (°C)	Insulation Class
		kg	Jugg	TK Mariance	<u> </u>	nion of Glov	(E) Allon of	

4.5.5	TABLE: ball p	ressure test of th	ermoplastic parts	· 拉河	of Global Company	Model of North
	allowed impre	ssion diameter (n	nm):	A Chicago	~ C3C	
Part				Test temperature(°C)		ion diameter (mm)
Am	GU		报 测	The Filling	F Gode	Complex (S. E. F.
Note(s):		極測	(a) # # of clobal Comm	® # Julion of Clother C	Altestation	Allesta.

4.7	TABLE: Resistance to fire						
Part	Manufacturer of material	Type of material	Thickness (mm)	Flammability class	Evidence		
<u> </u>	TK demplores	7 J. 12	O SE Jahron di Colonia	estation of G	-0		
Note(s): Ref	er to table 1.5.1	Attestation on					

5.1		TABLE: touch current measurement		F. Clobal Complete	N the same
Measured between:			Measured(mA)	Limit(mA)	Comments/conditions
@ ##	F of Global	O Allegation of the Control of the C		10	:::::
Note(s):	100		The Thirty of Thirty o	The Compliance

5.2	TABLE: electric strength tests and impulse tests	60 VG	0	N
Test voltage applied between:		Test voltage (V)		akdown

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Milestation of Guard	10	-0			不	Smollance The Com	- 1000 - 1000
Note(s):			TK Kindliance	KE JULI	® Station of Glob	® # Glation of Globa	R Attestation

5.3	TABLE: fault condition tests						P. All
C Allest	aml	oient temperature (°C)	20-25.0			
O	rated markings of power supply:					® # Food Colonia Comm	
Component no		Fault	Test voltage (V)	Test time	Fuse no.	Result	
Battery	G	Output,S-C		10min		Unit shutdown immediately. No hazards.	® 5 jation
		Overcharge, B- and P-, S-C	5.0	7h	© Martinor of Co	No hazards. Battery enclosure: 32.8°C	
Battery		Discharge, B- and P-, S-C	Ritestation of	2h	9	No hazards. Battery enclosure: 32.5°C	
U1 pin3-4		S-C	5.0	10min	(III)	Unit shutdown immediately. No hazards.	
Q2 pinS-D		S-C	5.0	10min	ompliance@	Normal operation, no damage and no hazards.	
Fault: S-C =	short	circuit	station of	Allesano		-111	

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Attachment A Photos of product



Fig.1.- overview



Fig.2. - overview

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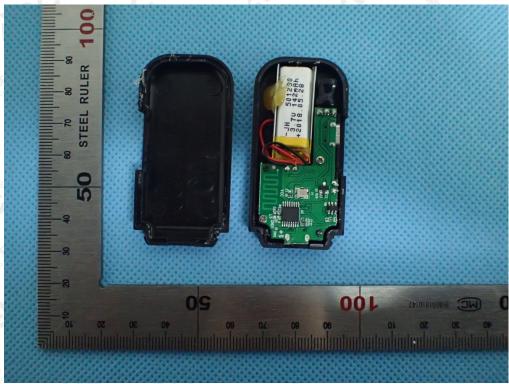


Fig.3. - partview

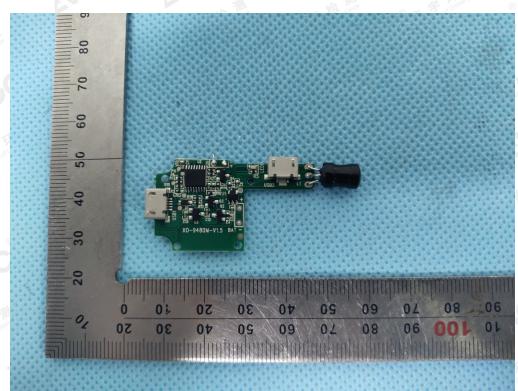


Fig.4. – partview

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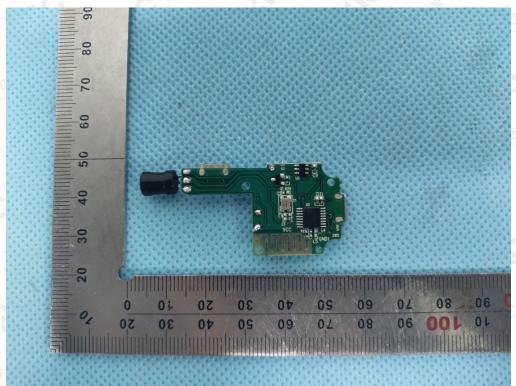


Fig.5. - partview

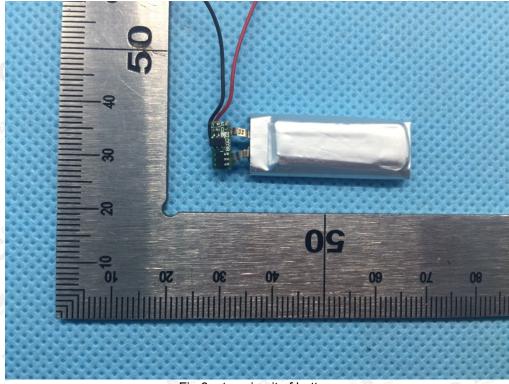
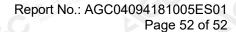


Fig.6 - top circuit of battery

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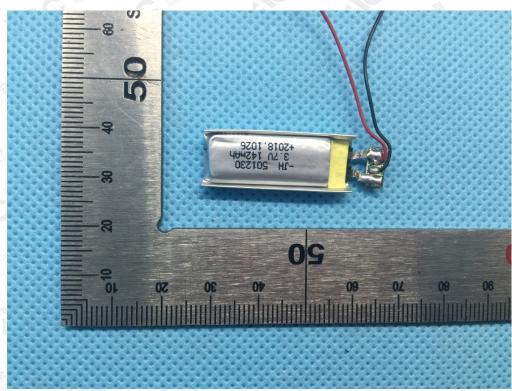


Fig.7 - bottom circuit of battery

----END OF REPORT-----

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