

Safety Test Report

Report No.: AGC10385170604ES02

PRODUCT DESIGNATION: Pen holder USB charger

BRAND NAME : N/A

MODEL NAME : P308.91

CLIENT : Xindao B.V.

DATE OF ISSUE : Jul. 14, 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 60950-1

Information technology equipment-Safety-Part 1: General requirements

Report Reference No...... AGC10385170604ES02

Tested by (+ signature) Johnson Ye

Reviewed by (+ signature) Jenny Li

Jennyli mette tle

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Approved by (+signature): (Authorized Officer)

Date of issue Jul. 14, 2017

Contents...... Total 52 pages

Testing laboratory

Gushu, Xixiang, Bao'an District, Shenzhen, Guangdong, China

Testing location...... Same as above.

Manufacturer

Name....: Xindao B.V.

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

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...... AGC60950A8

Test Report Form(s) Originator....... AGC

Master TRF Dated 2017-01

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Test item	
· 利用 · 一年 · 一年 ·	TO TO TO
Product designation:	
Brand name	
Test model	
Series model:	
Rating(s)	Input: 100-240V~, 50/60Hz, 0.6A (MAX) Output: 5.0V=, 4.1A (In total)
Test item particulars	· · · · · · · · · · · · · · · · · · ·
Equipment mobility	
Connection to the mains	 Stationary ☐ for building-in ☐ direct plug-in ✓ Spluggable equipment ✓ type A ☐ type B
Connection to the mains	permanent connection
30	detachable power supply cord
· · · · · · · · · · · · · · · · · · ·	non-detachable power supply cord
OF THE STATE OF TH	☐not directly connected to the mains
Operating condition	☐rated operating/ resting time:
Access location	. ⊠operator accessible
	restricted access location
Over voltage category(OVC)	: OVC I OVC II OVC III OVC IV other
Mains supply tolerance(%) or absolute values	
Tested for IT power systems	: □Yes ⊠No
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	CO CO CO
Test case does not apply to the test obj	ject: N (/A)
Test item does meet the requirement	P (ass)
Test item does not meet the requirement	ent: F (ail)
Testing	100 100 P
Date of receipt of test item	: Jul. 03, 2017
Date(s) of performance of test	:: Jul. 03 – Jul. 12, 2017

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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:			
Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	C T Farmer	2017-07-14	Valid	Original report

General product information

The product is considered as Class II with plastic enclosure. It is intended for dry location use only. 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.

Pen holder USB charger Model: P308.91 Input: 100-240V~, 50/60Hz, 0.6A(MAX) Output: 5.0V ===, 4.1A(In total) Xindao B.V. P.O. Box 3082, 2280 GB, Rijswijk, The Netherlands Importer: ××××××

Address: $\times \times \times \times \times \times$ Made In China

- 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	手机
1	GENERAL	C C C	Р
		100	
1.5	Components		P
1.5.1	General	大型 电影·	P
GC [®]	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)	OP .
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.V
1.5.3	Thermal controls	No any thermal controls.	N
1.5.4	Transformers	Transformer used is suitable for their intended application and comply with the relevant requirements of the standard.	P
1.5.5	Interconnecting cables	10. 20	N
1.5.6	Capacitors bridging insulation	Capacitors used in accordance with their rating and complied with subclasses of IEC 60384-14 with at least 21 days damp heat test.	P. Y
1.5.7	Resisters bridging insulation	No such components.	N
1.5.7.1	Resisters bridging functional, basic or supplementary insulation		N
1.5.7.2	Resisters bridging double or reinforced insulation between a.c. mains and other circuits	CALL SOCK	G N
1.5.7.3	Resisters bridging double or reinforced insulation between a.c. mains antenna or coaxial cable		N
1.5.8	Components in equipment for IT power systems	环·基本	and N
1.5.9	Surge suppressors	No such parts.	N
1.5.9.1	General	-CO	N
1.5.9.2	Protection of VDRs		N
1.5.9.3	Bridging of functional insulation by a VDR	SK P	N

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Bridging of basic insulation by a VDR

1.5.9.4



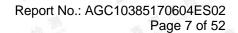
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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
1.5.9.5	Bridging of supplementary, double or reinforced insulation by a VDR	是 玩 整	N

1.6	Power interface	0 00 00	Р
1.6.1	AC power distribution systems	TN power system for adaptor	P P
1.6.2	Input current	Within limits	P
1.6.3	Voltage limit of hand-held equipment	Not a hand-held equipment.	N
1.6.4	Neutral conductor	2 C 80	N

1.7	Marking and instructions	点型 工艺	Р
1.7.1	Power rating A	See below	Р
平顶	Rated voltage(s) or voltage range(s) (V)	Input:100-240V a.c ,Output:5.0V d.c	
Alleranie	Symbol for nature of supply, for d.c. only	~ 2 70	
20	Rated frequency or rated frequency range (Hz):	50/60Hz	
	Rated current (mA or A)	Input :0.6A, output: 4.1A	
1.7.1.2	Identification markings	J. CO.	Р
The state of close	Manufacturer's name or trademark or identification mark	See marking plate.	
	Type/model or type reference:	See marking plate.	
EL THE	Symbol for Class II equipment only		
_1	Other marking and symbols	See marking plate.	
1.7.1.3	Use of graphical symbols	· · · · · · · · · · · · · · · · · · ·	P
1.7.2	Safety instructions and marking	Provided	P
1.7.2.1	General	See below.	Р
1.7.2.2	Disconnect devices	No such devices	M N
1.7.2.3	Overcurrent protective device	10000000000000000000000000000000000000	N
1.7.2.4	IT power distribution systems	- 6	N
1.7.2.5	Operator access with a tool		N
1.7.2.6	Ozone		N
1.7.3	Short duty cycles	Equipment is designed for continuous operation.	Manhor de N
1.7.4	Supply voltage adjustment	Single supply.	N
The Comment	Methods and means of adjustment; reference to installation instructions	NO III	N
1.7.5	Power outlets on the equipment	The State of the S	N

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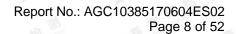




	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
1.7.6	Fuse identification (marking, special fusing characteristics, cross-reference)	Fuse, F1, 3.15A250V	P H
1.7.7	Wiring terminals	C. C C.	N
1.7.7.1	Protective earthing and bonding terminals	2 (00)00	N
1.7.7.2	Terminal for a.c. mains supply conductors		N
1.7.7.3	Terminals for d.c. mains supply conductors	E	N
1.7.8	Controls and indicators	-C	P
1.7.8.1	Identification, location and marking	C N	N
1.7.8.2	Colours	Indicator LED	P
1.7.8.3	Symbols according to IEC 60417	· 电型 环境。	N
1.7.8.4	Markings using figures	1 TO	N
1.7.9	Isolation of multiple power sources	Single power sources.	N
1.7.10	Thermostats and other regulating devices	No such devices.	N
1.7.11	Durability	The marking with stands required tests.	P
1.7.12	Removable parts	No such parts	N
1.7.13	Replaceable batteries	No batteries.	N
- F	Language(s)	10 10 10	
1.7.14	Equipment for restricted access locations		N

2	PROTECTION FROM HAZARDS	10	Р
2.1	Protection from electric shock and energy hazards	No hazardous parts in operator access areas.	P
2.1.1	Protection in operator access areas	C. C.	Р
2.1.1.1	Access to energized parts	Energized parts are not accessible.	Р
The same of the	Test by inspection	Compliance	P
3	Test with test finger(Figure 2A)	Compliance	P
	Test with test pin (Figure 2B)	Compliance	Р
	Test with test probe (Figure 2C)	C NO	N
2.1.1.2	Battery compartments		N. P.
2.1.1.3	Access to ELV wiring	· 电图 不是 图	N
根型	Working voltage (Vpeak or Vrms); minimum distance (mm) through insulation	(see appended table 2.10.5)	
2.1.1.4	Access to hazardous voltage circuit wiring	10	N
2.1.1.5	Energy hazards	No energy hazard in operator access area	Р
2.1.1.6	Manual controls	- C **	N

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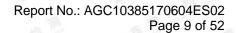
	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
2.1.1.7	Discharge of capacitors in equipment	· · · · · · · · · · · · · · · · · · ·	P		
	Time-constant (s); measured voltage (V)	1s, 40V			
2.1.1.8	Energy hazards – d.c. mains supply	No d.c. mains supply	N		
五 Th	a)Capacitor connected to the d.c. mains supply:	10 10	N		
A Little Ballon of Co.	b)Internal battery connected to the d.c. mains supply:	· · · · · · · · · · · · · · · · · · ·	N		
2.1.1.9	Audio amplifiers	No any amplifiers	N		
2.1.2	Protection in service access areas	C NO E	N		
2.1.3	Protection in restricted access locations		N		

2.2	SELV circuits	*** CO	Р
2.2.1	General requirements	42.4V peak or 60VDC are not exceeded in SELV circuit under normal operation or single fault condition.	Р
2.2.2	Voltages under normal conditions (V)	(see appended table 2.2)	Р
2.2.3	Voltages under fault conditions (V)	(see appended table 2.2)	Р
2.2.4	Connection of SELV circuits to other circuits:	Compliance	P

2.3	TNV circuits		N
2.3.1	Limits	No TNV circuits.	N
	Type of TNV circuits	1	N
2.3.2	Separation from other circuits and from accessible parts		N
2.3.2.1	General requirements	40 × 60	N
2.3.2.2	Protection by basic insulation		M N
2.3.2.3	Protection by earthing	11	N N
2.3.2.4	Protection by other constructions	The state of the s	N
2.3.3	Separation from hazardous voltages	C 300 3	O N
- 5	Insulation employed	,0	N
2.3.4	Connection of TNV circuits to other circuits		N N
	Insulation employed	T	N
2.3.5	Test for operating voltages generated externally	-0	N

2.4	Limited current circuits	大樓 一	P, F
2.4.1	General requirements	Annex D used.	P
2.4.2	Limit values	0.7mA	

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
	Frequency (Hz)	大龙 龙	
	Measured current (mA)	0.08mA	
	Measured voltage (V)	C C C	
· 对	Measured capacitance (nF or μF)	10- 10-	
2.4.3	Connection of limited current circuits to other circuits	E E E E	N

2.5	Limited power sources		Р
	a)Inherently limited output		N.
GU	b)Impedance limited output	· · · · · · · · · · · · · · · · · · ·	N N
The street	c)Regulating network limited output under normal operating and single fault condition	See appended table 2.5.	Р
Aller and or of	d)Overcurrent protective device limited output	10	N
1	Max. output voltage (V), max. output current (A), max. apparent power (VA)	See appended table 2.5.	
	Current rating of overcurrent protective device (A)	C	N
- 3	Use of integrated circuit (IC) current limited		N

2.6	Provisions for earthing and bonding		N
2.6.1	Protective earthing	Class II equipment.	N
2.6.2	Functional earthing	10	N
- 0	Use of symbol for functional earthing	100	N. E.
2.6.3	Protective earthing and protective bonding conductors	The Cartesian - C	N
2.6.3.1	General	100 100	N
2.6.3.2	Size of protective earthing conductors		N N
	Rated current (A), cross-sectional area (mm2), AWG	· 正张度温 《夏思·然	N
2.6.3.3	Size of protective bonding conductors	C 3	O N
4C	Rated current (A), cross-sectional area (mm2), AWG		N _A
2.6.3.4	Resistance of earthing conductors and their terminations, resistance(Ω), voltage drop(V),test current (A), duration(min)	TA T	N
2.6.3.5	Colour of insulation	10	N
2.6.4	Terminals	· · · · · · · · · · · · · · · · · · ·	N
2.6.4.1	General	# F	N
2.6.4.2	Protective earthing and bonding terminals	C CO	N

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Clause	Requirement – Test	Result – Remark	Verdict
	Rated current (A), type and nominal thread diameter (mm)	是我也是 是我也是	N
2.6.4.3	Separation of the protective earthing conductor from protective bonding conductors	C* CC* CC	N
2.6.5	Integrity of protective earthing		₩ N
2.6.5.1	Interconnection of equipment	T. T. S.	N e
2.6.5.2	Components in protective earthing conductors and protective bonding conductors	- STATE GO	N
2.6.5.3	Disconnection of protective earth	O BO	N 👊
2.6.5.4	Parts that can be removed by an operator		T/N
2.6.5.5	Parts removed during servicing	K E	N _
2.6.5.6	Corrosion resistance		N
2.6.5.7	Screws for protective bonding	100	N
2.6.5.8	Reliance on telecommunication network or cable distribution system	不是想 天生地	N

2.7	Overcurrent and earth fault protection in prima	ry circuits	Р
2.7.1	Basic requirements	Protection against overcurrent and short-circuits is provided as an integral part of the equipment. Protection against earth faults is provided as part of the building installation.	PGC
a.C	Instructions when protection relies on building installation		N
2.7.2	Faults not covered in 5.3.7	Considered	P
2.7.3	Short-circuit backup protection	The building installation is considered as providing short circuit backup protection.	P
2.7.4	Number and location of protective devices:	Over current protection by fuse	P
2.7.5	Protection by several devices	" " · · · · · · · · · · · · · · · · · ·	N
2.7.6	Warning to service personnel	C 30 3	N

2.8	Safety interlocks		N
2.8.1	General principles	No safety interlocks	N
2.8.2	Protection requirements	2G	N
2.8.3	Inadvertent reactivation		N
2.8.4	Fail-safe operation	大樓 题	N
	Protection against extreme hazard	The state of the s	N

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Clause	Requirement – Test	Result – Remark	Verdict
2.8.5	Moving parts	拉門 拉那	N
2.8.6	Overriding	The state of the s	N
2.8.7	Switches and relays	C C C	N
2.8.7.1	Contact gaps (mm)	10 10	N
2.8.7.2	Overload test	The state of the s	N
2.8.7.3	Endurance test	The State of the State of Control of the State of Control of Control of State of Control of Control of State of Control of Sta	N
2.8.7.4	Electric strength test	- 1 - CO - N	N
2.8.8	Mechanical actuators	0.	N sal

2.9	Electrical insulation	TA THE TANK OF THE PARTY OF THE	Р
2.9.1	Properties of insulating materials		Р
2.9.2	Humidity conditioning	-CO	Р
1 hand	Humidity (%),temperature (°C)	120h, 93%RH, 40.0°C	Р
2.9.3	Grade of insulation	五年 第	Р
2.9.4	Separation from hazardous voltages	- 3 - G	Р
T)	Method(s) used:	Method 1 used.	Р

2.10	Clearances, creepage distances and distances	s through insulation	Р
2.10.1	General Section 1997	-0" -0"	Р
152 of Completion	Frequency:	50/60Hz	Р
- 0	Pollution degrees:	Pollution degrees 2	P. 根
O	Reduced values for functional insulation	环境	P
1/2	Intervening unconnected conductive parts	-0	Р
平 孙。	Insulation with varying dimensions	100	Р
Ministration	Special separation requirements	76.1	N
1	Insulation in circuits generating starting pulses		N
2.10.2	Determination of working voltage	4.70	Р
2.10.3	Clearances	10 "	Р
2.10.3.1	General		₹P ¹
2.10.3.2	Mains transient voltages	T. B. T.	P
litte:	a)AC mains supply:	2500V peak	Р
K The same	b)Earthed d.c. mains supplies:	100	N
	c)Unearthed d.c. main supplies:		N
	d)Battery operation:	The State of the S	N

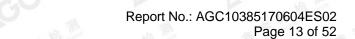
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Clause	Requirement – Test	Result – Remark	Verdict
2.10.3.3	Clearances in primary circuits	(See appended table 2.10.3 and 2.10.4)	P
2.10.3.4	Clearances in secondary circuits	(See appended table 2.10.3 and 2.10.4)	Р
2.10.3.5	Clearances in circuits having starting pulses		M N
2.10.3.6	Transients from a.c. mains supply:	Secondary circuit 1500Vpeak	Р
2.10.3.7	Transients from d.c. mains supply:	T. T	N
2.10.3.8	Transients from telecommunication networks and cable distribution systems:	C BC B	N
2.10.3.9	Measurement of transient voltage levels		N
0	a)Transients from a mains supply	THE RESERVE OF THE PERSON OF T	N
不够	For a.c. mains supply:	C S CO	N
A spirit of calculations	For d.c. mains supply:	00	Ν
Tara .	b)Transients from		N
2.10.4	Creepage distances	工	P
2.10.4.1	General		Р
2.10.4.2	Material group and comparative tracking index		P
The state of Con-	CTI tests	Material group IIIb is assumed to be used	P
2.10.4.3	Minimum creepage distances	(see appended table 2.10.3 and 2.10.4)	Р
2.10.5	Solid insulation		Р
2.10.5.1	General	10 11 11 11 11 11 11 11 11 11 11 11 11 1	P
2.10.5.2	Distances through insulation	(See appended table 2.10.5)	Р
2.10.5.3	Insulation compound as solid insulation		N
2.10.5.4	Semiconductor device		₩ P
2.10.5.5	Cemented joints	一	N
2.10.5.6	Thin sheet material - General	The state of the s	Р
2.10.5.7	Separable thin sheet material	C 3 (G)	P
- 19	Number or layers(pcs):	3 layers	-161
2.10.5.8	Non-separable thin sheet material	. 10	N
2.10.5.9	Thin sheet material – standard test procedure	The state of the s	N
AL THE	Electric strength test	-C**	N
2.10.5.10	Thin sheet material – alternative test procedure	10-	Р
- (Electric strength test	(See appended table 2.10.5)	- The
2.10.5.11	Insulation in wound components	The state of the s	P
2.10.5.12	Wire in wound components	C. T. C. C. T.	Р

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EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict
	Working voltage	在	P
	a)Basic insulation not under stress	The state of the s	N
	b)Basic, supplementary, reinforced insulation:	C C C	Р
五 大	c)Compliance with Annex U	(See appended table 1.5.1)	P
attention of C	Two wires in contact inside wound component; angle between 45° and 90°	Tubing used.	P
2.10.5.13	Wire with solvent-based enamel in wound components	CARANTE SOLVE	N ×
5.	Electric strength test		N
AG T	Rountine test		N
2.10.5.14	Additional insulation in wound components	F C	N
环节	Working voltage	-C*	N
State affect of Co.	-basic insulation not under stress:	NO - I	N
~ C	-Supplementary, reinforced insulation:	10000000000000000000000000000000000000	N
2.10.6	Construction of printed boards	The state of the s	Р
2.10.6.1	Uncoated printed boards	(See appended table 2.10.3 and 2.10.4)	Р
2.10.6.2	Coated printed boards	18 70	N
2.10.6.3	Insulation between conductors on the same inner surface of a printed board	C. S. C. S. C. S. C. S. C. S. C. S. C. S. C. C.	N
2.10.6.4	Insulation between conductors on different layers of a printed board	FCC FC.	N
CO	Distance through insulation	不利 不是	N
10	Number of insulation layers(pcs)	T. T. Comments	N
2.10.7	Component external terminations	" CO " CO	N
2.10.8	Tests on coated printed boards and coated components		N L
2.10.8.1	Sample preparation and preliminary inspection	The Bearing Street Street	N
2.10.8.2	Thermal conditioning		N
2.10.8.3	Electric strength test	0 0	N
2.10.8.4	Abrasion resistance test	-11	N
2.10.9	Thermal cycling	THE THE PARTY OF	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	A BELL	N
2.10.12	Enclosed and sealed parts	The state of the s	N

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	EN 60950	0-1	
Clause	Requirement – Test	Result – Remark	Verdict
3	WIRING, CONNECTIONS AND SUPPLY	· · · · · · · · · · · · · · · · · · ·	P
3.1	General	The state of the s	Р
3.1.1	Current rating and overcurrent protection	Adequate cross sectional areas on internal wiring.	Р
3.1.2	Protection against mechanical damage	Wire do not touch sharp edges and heat sinks which could damage the insulation and cause hazard	P
3.1.3	Securing of internal wiring	Internal wiring is reliable secured	Р
3.1.4	Insulation of conductors	Insulation on internal conductors is considered to be of adequate quality and suitable for the application and the working voltage involved.	P
3.1.5	Beads and ceramic insulators	No such insulators provided.	N
3.1.6	Screws for electrical contact pressure		N
3.1.7	Insulating materials in electrical connections	100	N
3.1.8	Self-tapping and spaced thread screws	上	N %
3.1.9	Termination of conductors	The State of the S	N
	10 N pull test	- C - C	N

3.2	Connection to a mains supply		P
3.2.1	Means of connection	CO CO	Р
3.2.1.1	Connection to an a.c. mains supply	Appliance inlet provided	Р
3.2.1.2	Connection to a d.c. mains supply	到	N. E.
3.2.2	Multiple supply connections		N
3.2.3	Permanently connected equipment	CO TO	N
F Thomas Country	Number of conductors, diameter (mm) of cable and conduits	No. The	
3.2.4	Appliance inlets	Appliance inlet provided	P
3.2.5	Power supply cords	Appliance inlet provided	Р
3.2.5.1	AC power supply cords	C	Р
-G*	Type	See table 1.5.1	
S	Rated current (A), cross-sectional area (mm²), AWG	See table 1.5.1	
3.2.5.2	DC power supply cords	20 20	N
3.2.6	Cord anchorages and strain relief		N
	Mass of equipment (kg), pull (N)	大龙	
	Longitudinal displacement (mm)	The state of the s	

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3.1.10



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EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict	
3.2.7	Protection against mechanical damage	· · · · · · · · · · · · · · · · · · ·	Р	
3.2.8	Cord guards	The standard of the standard o	N	
. 1020	D (mm); test mass (g)	0 -0 -00		
不	Radius of curvature of cord (mm)	10 10		
3.2.9	Supply wiring space	The first state of the state of	N	

3.3	Wiring terminals for connection of external cond	uctors	N
3.3.1	Wiring terminals	J	N
3.3.2	Connection of non-detachable power supply cords	ET RET	N
3.3.3	Screw terminals		N
3.3.4	Conductor sizes to be connected	30	N
, ,	Rated current (A), cord/cable type, cross-sectional area (mm²)	THE REAL PROPERTY.	
3.3.5	Wiring terminal sizes	# 1 Maria 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N
重	Rated current (A), type and nominal thread diameter (mm)	Co. D	
3.3.6	Wiring terminals design	10 11	N
3.3.7	Grouping of wiring terminals	The state of the s	N
3.3.8	Stranded wire	-0" 60"	N

3.4	Disconnection from the mains supply		P. W.
3.4.1	General requirement	张	P
3.4.2	Disconnect devices	appliance coupler	Р
3.4.3	Permanently connected equipment	100	N
3.4.4	Parts which remain energized	Th. 16	Р
3.4.5	Switches in flexible cords	The state of the s	N
3.4.6	Single-phase equipment and d.c. equipment	60	Р
3.4.7	Three-phase equipment	CO. BO	N
3.4.8	Switches as disconnect devices	No such devices	N
3.4.9	Plugs as disconnect devices	The Table	N
3.4.10	Interconnected equipment		N
3.4.11	Multiple power sources	- GO	N

3.5	Interconnection of equipment	70	The state of the s	The state of the s	Р
3.5.1	General requirements	不是	- Barbara C	- 12 2	Р

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	EN 6095	0-1	
Clause	Requirement – Test	Result – Remark	Verdict
3.5.2	Types of interconnection circuits	: SELV circuit only.	Р
3.5.3	ELV circuits as interconnection circuits	No ELV circuits.	N
3.5.4	Data ports for additional equipment	-C	N

4	PHYSICAL REQUIREMENTS		
4.1	Stability	The Beautiful State of State o	N
检测	Angle of 10°	-11-00	N
Control Control	Test: force (N)	0. 5	N 剩

4.2	Mechanical strength	不是一个一个	Р
4.2.1	General	See below	P
St. of Contract of	Rack-mounted equipment.	CO	N
4.2.2	Steady force test, 10 N	No energy or other hazards.	P
4.2.3	Steady force test, 30 N	THE THE PERSON OF THE PERSON O	N
4.2.4	Steady force test, 250 N	250N applied to outer enclosure. No energy or other hazards.	Р
4.2.5	Impact test	:101	P
	Fall test	No hazards	P
	Swing test	No hazards	Р
4.2.6	Drop test; height(m)	- GO - CO	N
4.2.7	Stress relief test	83.3°C, 7 hours, no hazard	Р
4.2.8	Cathode ray tubes	No cathode ray tube.	N
10	Picture tube separately certified	2 The same of the	N
4.2.9	High pressure lamps	No high pressure lamp	N
4.2.10	Wall or ceiling mounted equipment; force (N):	Direct plug-in equipment	™ N

4.3	Design and construction Edges and corners Edges and corners are rounded.		Р
4.3.1			P
4.3.2	Handles and manual controls; force (N)	30	N
4.3.3	Adjustable controls	文型 - 整型	N
4.3.4	Securing of parts	The state of the s	Р
4.3.5	Connection of plugs and sockets	-C - 10	Р
4.3.6	Direct plug-in equipment	Not direct plug-in equipment	N
	Torque	· 查测 环境。	N
	Compliance with the relevant mains plug standard	- E - C E - C	

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
4.3.7	Heating elements in earthed equipment	No heating elements.	N
4.3.8	Batteries	No battery	N
	-Overcharging of a rechargeable battery	0 - 0 - 0	N
手乐	-Unintentional charging of a non-rechargeable battery	10	N
Attende	-Reverse charging of a rechargeable battery	拉那 军动	N
700	-Excessive discharging rate for any battery	-C	N
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. 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
Address of the	Quantity of liquid (I)	10	N
\C	Flash point (°C)	大型	N
4.3.13	Radiation; type of radiation	The state of the s	Р
4.3.13.1	General	D	Р
4.3.13.2	Ionizing radiation		N
	Measured radiation (pA/kg)	1 不是	
	Measured high-voltage (kV)		
10000000000000000000000000000000000000	Measured focus voltage (kV)	- 60	
Tour.	CRT markings		
4.3.13.3	Effect of ultraviolet (UV) radiation on materials	五型 五粒	N
	Part, property, retention after test, flammability classification	CO CO	N
4.3.13.4	Human exposure to ultraviolet (UV) radiation:		N
4.3.13.5	Lasers (including laser diodes) and LEDs	LEDs for indicator only	Section P
4.3.13.5.1	Lasers (including laser diodes)	The Barrette State of the State	N
	Laser class	-60	G
4.3.13.5.2	Light emitting diodes (LEDs)	0	Р
4.3.13.6	Other types	70	N

4.4	Protection against hazardous moving part	Signature Comments	N
4.4.1	General	No hazardous moving parts.	N
4.4.2	Protection in operator access areas		N #
4.4.3	Protection in restricted access locations	The state of the s	N
4.4.4	Protection in service access areas	- * - C * >	N

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
4.4.5	Protection against moving fan blades	· · · · · · · · · · · · · · · · · · ·	N
4.4.5.1	General	Francisco Francisco	N
	Not considered to cause pain or injury. a)	C C C	N
不	Is considered to cause pain, not injury. b)	10 10	N
The state of Co.	Considered to cause injury. c)	11	N
4.4.5.2	Protection for users	The State of the State of Control	N
拉那	Use of symbol or warning	* * * * * * * * * * * * * * * * * * *	N
4.4.5.3	Protection for service persons	O. E.	N 👊
C. 1	Use of symbol or warning:	70	_ The Name

4.5	Thermal requirements		Р
4.5.1	General	700 P	Р
4.5.2	Temperature tests	(see appended table 4.5)	P 🦸
	Normal load condition per Annex L	T. T. Sandar	
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	(see appended table 4.5)	Р

4.6	Openings in enclosures		N
4.6.1	Top and side openings	No opening	N
C	Dimensions (mm)		
4.6.2	Bottoms of fire enclosures	T. B.	N
	Construction of the bottom	- Citimo CC	
4.6.3	Doors or covers in fire enclosures	100	N
4.6.4	Openings in transportable equipment		N
4.6.4.1	Constructional design measures	· 在图》	N
	Dimensions(mm)	as co	N
4.6.4.2	Evaluation measures for larger openings	C "	N
4.6.4.3	Use of metallized parts	711	N
4.6.5	Adhesives for constructional purposes	THE THE PARTY OF	N N
litte	Conditioning temperature (°C), time (weeks):		

4.7	Resistance to fire	11	P W
4.7.1	Reducing the risk of ignition and spread of flame	Use of materials with the required flammability classes.	P

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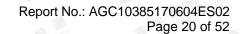


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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
	Method 1, selection and application of components wiring and materials	Method 1 used	P
48	Method 2, application of all of simulated fault condition tests	C CC CC	N
4.7.2	Conditions for a fire enclosure	With having the following parts: - components in primary - components in secondary circuits - insulated wiring the fire enclosure is required.	P
4.7.2.1	Parts requiring a fire enclosure	The fire enclosure prevent the fire spread	P
4.7.2.2	Parts not requiring a fire enclosure		N
4.7.3	Materials	The same of the sa	Р
4.7.3.1	General	PCB rated V-0, fire enclosure used	Р
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	五	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		
5.1	Touch current and protective conductor current	it and	Р
5.1.1	General	不到 不是	P
5.1.2	Equipment under test (EUT)	The state of the s	Р
5.1.2.1	Single connection to an a.c. mains supply	- GO - GO	Р
5.1.2.2	Redundant multiple connections to an a.c. mains supply		N N
5.1.2.3	Simultaneous multiple connections to an a.c. mains supply	C C	N
5.1.3	Test circuit	C	Р
5.1.4	Application of measuring instrument		P
5.1.5	Test procedure	東西 东东	P
5.1.6	Test measurements	13 A CO	Р
1 图 图	Test voltage (V)	264V/60Hz	
Glopa	Measured touch current (mA)	(see appended table 5.1)	
	Max. allowed touch current (mA)	(see appended table 5.1)	
	Measured protective conductor current (mA):	- 1 To 100 C 1 To 100 C	

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Clause	Requirement – Test	Result – Remark	Verdict	
	Max. allowed protective conductor current (mA) .:			
5.1.7	Equipment with touch current exceeding 3.5 mA:	The state of the s	N	
5.1.7.1	General	0° 20° 20	N	
5.1.7.2	Simultaneous multiple connections to the supply	10 10	N	
5.1.8	Touch currents to and from telecommunication networks and cable distribution systems and from telecommunication networks	二天是····	N	
5.1.8.1	Limitation of the touch current to a telecommunication network and a cable distribution system	C SC SC	O N	
GU.	Test voltage (V)	· 电型 环境 · · · · · · · · · · · · · · · · · ·	N	
. 相	Measured touch current (mA)	60	N	
二年 孙	Max. allowed touch current (mA)	CO. E	N	
5.1.8.2	Summation of touch currents from telecommunication networks		N	
	a)EUT with earthed telecommunication ports:	The state of the s	N	
_ 5K.	b)EUT whose telecommunication ports have no reference to protective earth	C. C. D.	N	
5.2	Electric strength		P	
5.2.1	General	(see appended table 5.2)	Р	
5.2.2	Test procedure	100 100	Р	
5.3	Abnormal operating and fault conditions		Р	
5.3.1	Protection against overload and abnormal operation	(see appended table 5.3)	P	
5.3.2	Motors	200 500	N	
5.3.3	Transformers	(See appended Annex C)	P	
5.3.4	Functional insulation	Functional insulation complied with the requirements c).	P	
5.3.5	Electromechanical components	No such components	N	
5.3.6	Audio amplifiers in ITE	2	N	
5.3.7	Simulation of faults	Result see appended table 5.3.	P	
5.3.8	Unattended equipment	5 C	N	
5.3.9	Compliance criteria for abnormal operating and fault conditions	See below	Р	
5.3.9.1	During the tests	Neither fire burns the equipment nor molten metal.	Р	
5.3.9.2	After the tests	No hazards	Р	

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Clause	Requirement – Test	Result – Remark	Verdict	
Clause	Requirement – rest	Nesur – Nemark	Verdict	
6	CONNECTION TO TELECOMMUNICATION NET	WORKS	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		M N	
6.1.2	Separation of the telecommunication network from	earth	N	
6.1.2.1	Requirements	- Tr	N	
16 June	Test voltage (V)	C 3. S		
- Es.	Current in the test circuit (mA)			
6.1.2.2	Exclusions:		N N	
6.2	Protection of equipment users from overvoltag	es on telecommunication networks	N	
6.2.1	Separation requirements	0	N	
6.2.2	Electric strength test procedure	- M M M M M M M M.	N	
6.2.2.1	Impulse test	是 The area of the	N	
6.2.2.2	Steady-state test	C N	N	
6.2.2.3	Compliance criteria		N	
6.3	Protection of the telecommunication wiring system from overheating			
-mil	Max. output current (A)	-C3 - CG		
Bi mana	Current limiting method	100 100		
		111		
700	CONNECTION TO CABLE DISTRIBUTION SYST	EMS	N	
7.1	Genreal	E There's C	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	No. You	N	
7.3	Protection of equipment users from overvoltages on the cable distribution system	CO.	N 3	
7.4	Insulation between primary circuits and cable distribution systems	30 100 11	N	
7.4.1	General	大	N N	
7.4.2	Voltage surge test	- GU	N	
7.4.3	Impulse test		N	

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	EN 60950-7	T	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 ed exceeding 18 kg, and of stationary equipment (see		N
A.1.1	Samples:		
E Son of Colored	Wall thickness (mm)		
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
6 *	Flame A, B, C or D		
A.1.5	Test procedure	· 电型	N
A.1.6	Compliance criteria	100	N
手动	Sample 1 burning time (s)	20.	
Address	Sample 2 burning time (s)	1 1	
	Sample 3 burning time (s):	我想	
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	报 测	
	Wall thickness (mm)		
A.2.2	Conditioning of samples	-C"	N
A.2.3	Mounting of samples	30	N
A.2.4	Test flame (see IEC 60695-11-4)		N
O	Flame A, B or C:	不是	
A.2.5	Test procedure	- C - CC	N
A.2.6	Compliance criteria	100	N
Martanon	Sample 1 burning time (s)		
	Sample 2 burning time (s):	The Barrier St. Transcon	
	Sample 3 burning time (s):	43 CO .	
A.2.7	Alternative test acc. To IEC 60695-2-2, cl. 4 and 8	30- 20-	N
G -	Sample 1 burning time (s):	· · · · · · · · · · · · · · · · · · ·	
	Sample 2 burning time (s):	- C	F
极神	Sample 3 burning time (s):	CO NO	
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 1	N

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	172 112	EN 60950-1		100		
Clause	Requirement – Test		Result	– Remark		Verdict
A.3.3	Compliance criterion			恒期	梅柳	N

B	ANNEX B, MOTOR TESTS UNDER ABNORMAL 5.3.2)	CONDITIONS (see 4.7.2.2 and	N
B.1	General requirements	No motor	, N
Allen	Position:	· · · · · · · · · · · · · · · · · · ·	
All The	Manufacturer	-G	
NEL CONCIONA	Type:	C N E	
_ 15.	Rated values:		
B.2	Test conditions	校型 不整	N
B.3	Maximum temperatures	10°	N
B.4	Running overload test	- CO.	N
B.5	Locked-rotor overload test		N
20	Test duration (days)	水	
	Electric strength test: test voltage (V):	San Carried	
B.6	Running overload test for d.c. motors in secondary circuits	D. FOO	N
B.6.1	General	AL TA TELEBRANE	N
B.6.2	Test procedure	The state of the s	N
B.6.3	Alternative test procedure	" " " " " " " " " " " " " " " " " " "	N
B.6.4	Electric strength test; test voltage (V)		N
B.7	Locked-rotor overload test for d.c. motors in second	dary circuits	N
B.7.1	Test procedure	· 还	N
B.7.2	Alternative test procedure; test time (h):	" " CO" " CO	N
B.7.3	Electric strength test		₩ N
B.8	Test for motors with capacitors	Tr. Mr.	N
B.9	Test for three-phase motors	The state of the s	N
B.10	Test for series motors	C. 300 3	N
_ %	Operating voltage (V):		

С	ANNEX C, TRANSFORMERS (see 1.5.4 and 5.3.3)		Р
ALL THE	Position	Soldered on PCB (T1)	
Chapter County	Manufacturer:	See components list.	
	Туре:	Ditto	
	Rated values:	The state of the s	
	Method of protection:	Protective circuit	

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EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict	
C.1	Overload test	Transformers for switch mode power supply units are tested in the complete power unit or in the complete equipment .test load are applied to the output of the power supply unit	P	
C.2	Insulation	(see appended table 5.2)	P P	
	Protection from displacement of windings:	The Beautiful State of the Stat	Р	

D	ANNEX D, MEASURING INSTRUMENTS FOR TOUCH-CURRENT TESTS (see 5.1.4)	P 10
D.1	Measuring instrument	T/P
D.2	Alternative measuring instrument	N N

E	ANNEX E, TEMPERATURE RISE OF A WINDING (see 1.4.13)	N
1		- 43
F	ANNEX F, MEASUREMENT OF CLEARANCES AND CREEPAGE DISTANCES (see 2.10)	P

G	ANNEX G, ALTERNATIVE METHOD FOR DETER	MINING MINIMUM CLEARANCES	N N
G.1	Clearances	M TA THE THE	N
G.1.1	General	C C.	N
G.1.2	Summary of the procedure for determining minimum clearances	Page 190	N
G.2	Determination of mains transient voltage (V):		N
G.2.1	AC mains supply	1.	N
G.2.2	DC mains supply		N
G.2.3	Unearthed DC mains supply		₩ N
G.2.4	Battery operation	- M	N
G.3	Determination of telecommunication network transient voltage (V):	CC.	N
G.4	Determination of required withstand voltage (V):	0	N
G.4.1	Mains transients and internal repetitive peaks:		N
G.4.2	Transients from telecommunication networks:	THE THE PARTY OF T	N
G.4.3	Combination of transients	- C	N
G.4.4	Transients from cable distribution systems	-CO	N
G.5	Measurement of transient levels (V):	1	N
	a) Transients from a mains supply	T. T. W	N
	For an a.c. mains supply		N

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	772 772	7 10° 4 10°	
	EN 60950	0-1	
Clause	Requirement – Test	Result – Remark	Verdict
	For a d.c. mains supply	10000000000000000000000000000000000000	N ®
	b) Transients from a telecommunication network		N
G.6	Determination of minimum clearances	- G - G	N

H	ANNEX H, IONIZING RADIATION (see 4.3.13)	THE STATE OF THE S	N N
---	--	--	-----

J. The state of th	ANNEX J, TABLE OF ELECTROCHEMICAL POTENTIALS (see 2.6.5.6)	
Copy Cours	Metal used:	

K	ANNEX K, THERMAL CONTROLS (see 1.5.3 and	5.3.7)	N
K.1	Making and breaking capacity		N
K.2	Thermostat reliability; operating voltage (V):	700	N
K.3	Thermostat endurance test; operating voltage (V)	水 卷制	N
K.4	Temperature limiter endurance; operating voltage (V)	CO	N
K.5	Thermal cut-out reliability		- ∰ N
K.6	Stability of operation	A TABLE T	N

L MA	ANNEX L, NORMAL LOAD CONDITIONS FOR BUSINESS EQUIPMENT (see 1.2.2.1 and 4.5.		P
L.1	Typewriters		N, W
L.2	Adding machines and cash registers	承	N
L.3	Erasers	a Commercial Co	N
L.4	Pencil sharpeners	100 100	N
L.5	Duplicators and copy machines		N
L.6	Motor-operated files	5 T. B. S.	N
L.7	Other business equipment	Marine CO "	P

M	ANNEX M, CRITERIA FOR TELEPHONE RINGING SIGNALS (see 2.3.1)		N
M.1	Introduction	The Table	N N
M.2	Method A	C Same	N
M.3	Method B	-CO P	N
M.3.1	Ringing signal		N #
M.3.1.1	Frequency (Hz):	The state of the s	
M.3.1.2	Voltage (V):	- C - C	

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdic
M.3.1.3	Cadence; time (s), voltage (V):	10000000000000000000000000000000000000	
M.3.1.4	Single fault current (mA):	The state of the s	
M.3.2	Tripping device and monitoring voltage:	0 -0	N
M.3.2.1	Conditions for use of a tripping device or a monitoring voltage	10 10	N
M.3.2.2	Tripping device	超	N
M.3.2.3	Monitoring voltage (V):	- G	N
NEL Campitanco	A Carried Carr	C S S	9
N C	ANNEX N, IMPULSE TEST GENERATORS (see clause G.5)	2.10.3.4, 6.2.2.1, 7.3.2 and	# IN
N.1	ITU-T impulse test generators	5 - C	N
N.2	IEC 60065 impulse test generator	-0"	N
Mary of the same		100	
P	ANNEX P, NORMATIVE REFERENCES	点意 人名	N
		4 30	G
Q	ANNEX Q, Voltage dependent resisters (VDRS)	(see 1.5.9.1)	N
工 环	-Preferred climatic categories:	No VDR used	-∭ N
- P	-Maximum continuous voltage:	1 To 18 10 To 18	N
	-Combination pulse current:	43.00	N
A THE	Body of the VDR Test according to IEC 60695-11-	CO . CO	N
Condition	5		
	Body of the VDR. Flammability class of material (min V-1)	11	N
NO.	(IIIII V-1)	***	The Gallery Gallery
R	ANNEX R, EXAMPLES OF REQUIREMENTS FOR PROGRAMMES	R QUALITY CONTROL	N
R.1	Minimum separation distances for unpopulated coated printed boards (see 2.10.6)		N
R.2	Reduced clearances (see 2.10.3)	£0 -	N
-	- C - C	C T	
S	ANNEX S, PROCEDURE FOR IMPULSE TESTIN	G (see 6.2.2.3)	N.
S.1	Test equipment	不是一下	N
S.2	Test procedure		N
S.3	Examples of waveforms during impulse testing	- GO D	N
300	C CC		
Т	ANNEX T, GUIDANCE ON PROTECTION AGAIN (see 1.1.2)	ST INGRESS OF WATER	- CN

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	EN 6095	50-1	
Clause	Requirement – Test	Result – Remark	Verdict
	GO CO		56 增
U	ANNEX U, INSULATED WINDING WIRES FO INSULATION (see 2.10.5.4)	R USE WITHOUT INTERLEAVED	P
1 ×			
V	ANNEX V, AC POWER DISTRIBUTION SYST	EMS (see 1.6.1)	P
V.1	Introduction		Р
V.2	TN power distribution systems	-C	Р
Man County India	THE COLUMN	-C	
W 🧳	ANNEX W, SUMMATION OF TOUCH CURRE	NTS	N.
W.1	Touch current from electronic circuits	一 在 题	N
W.1.2	Earthed circuits	# 1 CO	N
W.2	Interconnection of several equipments	- GO	N
W.2.1	Isolation		N
W.2.2	Common return, isolated from earth	双型	N
W.2.3	Common return, connected to protective earth	The state of the s	N
1	也是 · 一	20 ZOO	
X	ANNEX X, MAXIMUM HEATING EFFECT IN 1 C.1)	TRANSFORMER TESTS (see clause	N
X.1	Determination of maximum input current	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N
X.2	Overload test procedure	- CO - CO	N
Comp	-C		
Y	ANNEX Y, ULTRAVIOLET LIGHT CONDITION	NING 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	···	N
Z	ANNEX Z, OVERVOLTAGE CATEGORIES(se	ee2.10.3.2 and Clause G.2)	N
- 1	C. C.	CO	13.
AA	ANNEX AA, MANDREL TEST (see 2.10.5.8)		N
		-6	Attentation
ВВ	ANNEX BB, CHANGES IN THE SECOND EDI	ITION	
A Compile	- 1 C 1 VO	10	
	ANNEX CC, Evaluation of integrated circuit	(IC) circuit limiters	N
CC			
CC.1	General	- 13 Marie 19 19 19 19 19 19 19 19 19 19 19 19 19	N

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	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
CC.3	Test program 2	在	N		
CC.4	Test program 3	The state of the s	N		
CC.5	Compliance	0 -0 -0	N		

DD	ANNEX DD, requirements for the mounting means of rack-mounted equipment		
DD.1	General	The Bending State of Comments	N
DD.2	Mechanical strength test, variable N:		N
DD.3	Mechanical strength test, 250N, including end stops:	O. Bo	N
DD.4	Compliance:	- 电型 环境 - 1	N

EE F	ANNEX EE, Household and home/office document/media shredders		N
EE.1	General	711	N
EE.2	Marking and instructions	The Manual Street, The Street,	N
1	Use of markings or symbols:	53 C 33 V	N
李环	Information of user instructions, maintenance and/or servicing instructions:	No.	N
EE.3	Compliance ::	A TK ME AND TK	N
EE.4	Disconnection of power to hazardous moving parts:	-C**	N
Complete on	Use of markings or symbols:	10, 50	N
EE.5	Protection against hazardous moving parts		N
0	Test with test finger (figure 2A):	环境	N
-	Test with wedge probe (figure EE1 and EE2):	- Climan CC	N

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				EN 60950-1			
Clause	Requirem	nent – Test			Res	sult – Remark	Verdict
	EN 60950-	-1:2006/A11:20	09/A1:2010/ <i>A</i>	A12:2011 – CENI	ELEC COMMO	ON MODIFICATIONS	S # 3000
		subclauses, no 0-1 and it's ame		nd figures which a prefixed "Z"	are additional	to those in	
Contents (A2:2013)	Add the for Annex ZA	ollowing annexed (normative) Notes to the control of the control o	es: Normative refeorresponding Special natio	erences to intern g European publi nal conditions IELEC code desi	cations		P GC
General		the —countryll to the following		reference docum	ent (IEC 6095	0-1:2005)	P
	1.4.8	Note 2	1.5.1	Note 2 & 3	1.5.7.1	Note	F 3/
	1.5.8	Note 2	1.5.9.4	Note	1.7.2.1	Note 4, 5 & 6	
	2.2.3	Note	2.2.4	Note	2.3.2	Note	
	2.3.2.1	Note 2	2.3.4	Note 2	2.6.3.3	Note 2 & 3	4
	2.7.1	Note	2.10.3.2	Note 2	2.10.5.13	Note 3	C
	3.2.1.1	Note	3.2.4	Note 3	2.5.1	Note 2	7
	4.3.6	Note 1 & 2	4.7	Note 4	4.7.2.2	Note	:100
	4.7.3.1	Note 2	5.1.7.1	Note 3 & 4	5.3.7	Note 1	ST CONTRACTOR
	6	Note 2 & 5	6.1.2.1	Note 2	6.1.2.2	Note	
	6.2.2	Note	6.2.2.1	Note 2	6.2.2.2	Note	10
	7.1	Note 3	7.2	Note	7.3	Note 1 & 2	
	G.2.1	Note 2	Annex H	Note 2			不能
General A1:2010)		the "country" n		ference docume	nt (IEC 60950	-1:2005/A1:2010)	Р
	1.5.7.1	Note		6.1.2.1	Note 2		
A TORON OF CHAP	6.2.2.1	Note 2		EE.3	Note		714
General A2:2013)	according 2.7.1 6.2.2.	to the following Note * Note	g list:	ference docume 2.10.3.1 Modification remains	Note 2	-1:2005/A2:2013) ed.	CC.
l.1.1 A1:2010)	Replace t NOTE 3 To multimedia	he text of NOT he requirements	E 3 by the fol of EN 60065 m IEC Guide 11	lowing. nay also be used to	meet safety re		The design country

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
1.3.Z1	Add the following subclause: 1.3.Z1 Exposure to excessive sound pressure	· · · · · · · · · · · · · · · · · · ·	4 平环性
	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	P.C.	G CN
To the state of th	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.	Noc.	100
A12:2011)	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 3 2 2	G N
I.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 *	CO TO	N G
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
I.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.	GC TO NOTE OF THE PARTY OF THE	N
	Zx Protection against excessive sound pressure from person	nal music players	#
	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 .	GGV III
	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	A CC	N
	 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. 	A THE	C

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EN 60950-1 Clause Requirement – Test Result - Remark Verdict 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. 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 requirements in this sub-clause are valid for music or video mode only. 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. 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. For equipment which is clearly designed or intended for use by young children, the limits of EN 71-1 apply. 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 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. NOTE 1 Wherever the term acoustic output is used in this clause, the 30 s A-weighted equivalent sound pressure level LAeq,T is

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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:		(电
	a) protect the user from unintentional acoustic outputs	The Committee	N
	exceeding those mentioned above; and	1 To 100	■ The state of th
	b) have a standard acoustic output level not exceeding those	G G	1
	mentioned above, and automatically return to an output level		
	not exceeding those mentioned above when the power is		711
	switched off; and	:ml 55:	NSL parce
	c) provide a means to actively inform the user of the increased sound pressure when the equipment is operated with an	Barre Harris	一条
	acoustic output exceeding those mentioned above. Any	Co. San	C
	means used shall be acknowledged by the user before	- GO :	0
	activating a mode of operation which allows for an acoustic		100
	output exceeding those mentioned above. The		182
	acknowledgement does not need to be repeated more than	100	Z Kopal Com
	once every 20 h of cumulative listening time; and	The complete	and the same of th
	NOTE 2 Examples of means include visual or audible signals.		\ C
	Action from the user is always required.		
	NOTE 3 The 20 h listening time is the accumulative listening time,		
	independent how often and how long the personal music player	-m	
	has been switched off.	The Target of the same of the	新
	d) have a warning as specified in Zx.3; and	The state of the s	
	e) not exceed the following:		0
	1) equipment provided as a package (player with Its	GO D	
	listening device), the acoustic output shall be ≤ 100 dBA		-700
	measured while playing the fixed "programme simulation noise" described in EN 50332-1; and	10 m	C 3 James
	2) a personal music player provided with an analogue	· 不	A Con
	electrical output socket for a listening device, the electrical	Story of Care	6
	output shall be ≤ 150 mV measured as described in EN 50332-	- 60	
	2, while playing the fixed "programme simulation noise"		
	described in EN 50332-1.	Till.	. 199
		根本	5K 10
	For music where the average sound pressure (long term	F. J. Cont.	F 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
	LAeq,T) measured over the duration of the song is lower than	A Barrier C	- Supplement
	the average produced by the programme simulation noise, the warning does not need to be given as long as the average	-U" CO	
	sound pressure of the song is below the basic limit of 85 dBA.		-11
	In this case T becomes the duration of the song.		43. 700
	NOTE 4 Classical music typically has an average sound pressure	THE STATE OF THE S	Enl C luba
	(long term LAeq,T) which is much lower than the average	Company of Co.	- B
	programme simulation noise. Therefore, if the player is capable to	a.C	- 60
	analyse the song and compare it with the programme simulation		3
	noise, the warning does not need to be given as long as the		12 7
	average sound pressure of the song is below the basic limit of 85	AIR:	The Actions
	dBA.	不懂	The stor of Global
	For example, if the player is set with the programme simulation	7 700	150
	noise to 85 dBA, but the average music level of the song is only		36
	65 dBA, there is no need to give a warning or ask an		
	acknowledgement as long as the average sound level of the song		(II)
	is not above the basic limit of 85 dBA.	TILL 2. TILL	

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	EN 60950-1	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 C C	A MARINE
	"To prevent possible hearing damage, do not listen at high volume levels for long periods." Figure 1 – Warning label (IEC 60417-6044)	NGC 1	GCN [®]
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.	S. C.	NG.
	Zx.4 Requirements for listening devices (headphones and e	earphones)	N
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.	CO BERT TO BE	GC *
	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).	T. J. B.	N
拉剂	NOTE The values of 94 dBA – 75 mV correspond with 85dBA – 27 mV and 100 dBA – 150 mV.	NO.	10
CC TO	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.	Carried Sol	The state of the s
	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.).	CORP	N GG
	NOTE An example of a wired listening device with digital input is a USB headphone.		L. W.

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EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict	
N. S.	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	C B C	THE STATE OF THE S	
	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 # TA	N	
, we	NOTE An example of a wireless listening device is a Bluetooth headphone.	- F. T C.	E Garden	
	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.		N	
	NOTE Test method for wireless equipment provided without listening device should be defined.	-C****	00"	
2.7.1	Replace the subclause as follows:	0		
	Basic requirements 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):	TA BENDER	Р	
	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	平顶槽	
T. T. M.	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;	C B 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.	NGC # THE	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 THE AGO	A de la constante de la consta	
2.7.2	This subclause has been declared 'void'.	100 大电影	N	
3.2.3	Delete the NOTE in Table 3A, and delete also in this table the conduit sizes in parentheses.	The state of the s	CN	

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Add: 2F., 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
3.2.5.1	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".	· · · · · · · · · · · · · · · · · · ·	11年 环境
	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		N
	In the conditions applicable to Table 3B delete the words "in some countries" in condition ^{a)} . In NOTE 1, applicable to Table 3B, delete the second	NGC To	GC *
3.2.5.1 (A2:2013)	NOTE Z1 The harmonised code designations corresponding to the IEC cord types are given in Annex ZD	T. 12	P
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	GC TO B	GC P
	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).	ZC T	\G
-C **	Standards taking into account mentioned Recommendation and Directive which demonstrate compliance with the applicable EU Directive are indicated in the OJEC.	10000000000000000000000000000000000000	P
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:	3C Table No.	N
N	NOTE These values appear in Directive 96/29/Euratom. Delete NOTE 2.	-C - C	CC T
Bibliography	Additional EN standards.		_

ZA	NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR CORRESPONDING EUROPEAN PUBLICATIONS	_	
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EN 60950-1					
Clause	Requirement – Test	Result – Remark	Verdict		
	ZB ANNEX (normative) SPECIAL NATIONAL CONI	DITIONS (EN)	E F COM		
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.	C PCC	N		
1.2.13.14	In Norway and Sweden , for requirements see 1.7.2.1 and 7.3 of this annex.	E. III	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.	Page 5	S N		
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).	P.C.C.	Р		
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.	A S. J. L. M.	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.		N 3.M		
	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"	· Calling the state of the stat	T. T. T.		
1.7.2.1	In Sweden: "Apparaten skall anslutas till jordat uttag"	30	N		
(A11:2009)	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.	ACC TO A STATE OF THE PARTY OF	CC T		
	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.	STATE OF	The State of Control		
	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:				

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
	ZB ANNEX (normative) SPECIAL NATIONAL CONI	DITIONS (EN)	不管
	"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. Translation to Norwegian (the Swedish text will also be	NO CO	
	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."	THE	GC [®]
	Translation to Swedish:	GO F	
	"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."	# IF ME TO SEE THE SEE	NG NG
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 I
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	A SOC	N N

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01	EN 60950-1	D. It D I	Marilan
Clause	Requirement – Test	Result – Remark	Verdict
	ZB ANNEX (normative) SPECIAL NATIONAL CON	DITIONS (EN)	J. 18
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.		N N
2.2.4	Justification the Heavy Current Regulations, 6c In Norway, for requirements see 1.7.2.1, 6.1.2.1 and 6.1.2.2	Sec	N
2.3.2	of this annex. In Finland, Norway and Sweden there are additional	70	N
2.0.2	requirements for the insulation. See 6.1.2.1 and 6.1.2.2 of this annex.	The state of the s	GC 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.	C P	N
2.6.3.3	In the United Kingdom , the current rating of the circuit shall be taken as 13 A, not 16 A.	T. 格	P
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 BANK MA	No.
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.	Co. So.	N
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	NGC TO	N
	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	五天性制	The state of Control
	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	No.	N
	SEV 5933-2.1998: Plug Type 21, L+N, 250 V, 16A SEV 5934-2.1998: Plug Type 23, L+N+PE 250 V, 16 A	C. Handred Country	CC

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Clause	Requirement – Test	Result – Remark	Verdict
Clause	ZB ANNEX (normative) SPECIAL NATIONAL CONI	2/11/2	Verdiot
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.		N
	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.	GC TE	GC*
CC.	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.	-C	是 T. T. 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.		N
	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.	-C***	GC *
	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.	T. T. II. III.	3.11
	If poly-phase equipment is provided with a supply cord with a plug, this plug shall be in accordance with UNE-EN 60309-2.	SCO	
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.	3C * 15 15 15 15 15 15 15 15 15 15 15 15 15	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.	CC	GC
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	E TANK TO	N
相测	of Ireland (section 28) (13 A Plugs and Conversion Adaptors for Domestic Use) Regulations 1997.	10	
3.2.4	In Switzerland , for requirements see 3.2.1.1 of this annex.	111 点型	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.	The state of the s	GCN

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
~(ZB ANNEX (normative) SPECIAL NATIONAL CONI	DITIONS (EN)	不懂
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: • 1,25 mm ² to 1,5 mm ² nominal cross-sectional area.	Carried Co	N
4.3.6	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.	NGC TO THE TAX	N G G
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.		N
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	CO TO E	N
	has provision for a permanently connected PROTECTIVE EARTHING CONDUCTOR; and is provided with instructions for the installation of that conductor by a SERVICE PERSON; • STATIONARY PLUGGABLE EQUIPMENT TYPE B;	AGO MARINA	A THE STATE OF THE
	• STATIONARY PERMANENTLY CONNECTED EQUIPMENT.	-0	
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		N M
	component, it shall at least consist of either	c.C	CO
	- two layers of thin sheet material, each of which shall pass the electric strength test below, or	No	15.
	- one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	不 地 測	A Financial
	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	A CO	N

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
	ZB ANNEX (normative) SPECIAL NATIONAL CONI	DITIONS (EN)	不恒
学系的	 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. 	Carrie	N
	It is permitted to bridge this insulation with an optocoupler complying with 2.10.5.4 b).	E. F. S.	C 3.3
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.	NOO"	
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	B. 30	F The Street
	- 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;	P.C.	N.C
	- the additional testing shall be performed on all the test specimens as described in EN 60384-14:	型。环境型	- 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 B	OC.
5.1.2.2	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	NGC TO	N AG
60	CONDUCTOR and is provided with instructions for the installation of that conductor by a SERVICE PERSON.	五 江 茂 二	平环型
.2	In Finland , Norway and Sweden , for requirements see 6.1.2.1 and 6.1.2.2 of this annex.	-3C - CC	N
Andrew of Chapter Co.	The term TELECOMMUNICATION NETWORK in 6.1.2 being replaced by the term CABLE DISTRIBUTION SYSTEM.		# 711
.3	In Norway and Sweden , for requirements see 1.2.13.14 and 1.7.2.1 of this annex.	也那	N
.3	In Norway , for installation conditions see EN 60728-11:2005.	-0"	N

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	The comments of the second	-63			10
1.5.1	TABLE: list of critical components	0	30		Р
Object/part no.	Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity
Plug (supply cord)	Volex (Asia) Pte. Ltd.	M4206	AC250V, 2.5A	EN 50075	VDE 137417
Power cord	Volex (Asia) Pte. Ltd.	H03VVH2-F	2 x 0.75 mm²	EN 50525-2-11	VDE 103704
Appliance couplers	Volex (Asia) Pte. Ltd.	SZC7S	AC250V, 2.5A	EN 60320-1	VDE 40012060
AC inlet	SMK Corporation	1106	AC250V, 2.5A	EN 60320-1	VDE 40002709
Fuse(F1)	Bel Fuse Ltd.	5ET3.15A	T3.15A, 250V	IEC 60127-1 IEC 60127-2	VDE 40007746
CX1	Cixi Sanbei Electronic Co., Ltd.	MPX	X2 type, 0.22uF, 275VAC, 100°C	IEC 60384-14	VDE 134381
Transformer (T1)	Xindao B.V.	FT8492G	Class B	IEC/EN60950-1	Tested with appliance
-Bobbin	CHANG CHUN CHEMICAL (ZHANGZHOU) CO LTD	T375J	Min. 0.45mm, V-0, 150°C	UL94	UL E304813
-Tape	JINGJIANG JINGYI ADHESIVE PRODUCT CO LTD	JY25-A (b)	130°C	UL510	UL E246950
-Magnet Wire	SHENZHEN LINOYA ELECTRONIC CO LTD	MW 75-C	130°C	UL1446	UL E304220
-Triple Insulation wire	Young Chang Silicone Co., Ltd.	STW-B	130°C	IEC/EN60950-1	VDE 40013359
Y-Capacitor (CY1)	Dongguan City Dersonic Electronic Co., Ltd.	CD	Y1 type, 400Vac, 2200pF, 125℃	IEC 60384-14	VDE 40040706
Optocoupler (PC1)	Bright Led Electronics Corp.	BPC 817B	Dti :0.5mm, 100°C	EN 60747-5- 5:2011	VDE 40007240
PCB	Interchangeable	Interchangeable	V-0, 130°C	UL94, UL796	UL ZPMV2
Enclosure	SABIC INNOVATIVE PLASTICS B V	940(f1)	Min. 1.5mm, V- 0, 130°C	UL94	UL E45329
Enclosure (plug holder)	SABIC INNOVATIVE PLASTICS B V	940(f1)	Min. 1.5mm, V- 0, 130°C	UL94	UL E45329

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1.6.2	TABLE: e	lectrical data (in normal cor	nditions)	- 63	10	Р
U (V)	I (A)	I rated (A)	P (W)	Fuse #	I fuse (A)	Condition/status	
90V/50Hz	0.447	GU	25.20	F1	0.074	Maximum normal load.	亚
90V/60Hz	0.446	- 10	25.12	F1	0.073	Maximum normal load.	to state of Ole
100V/50Hz	0.405	0.6	25.97	F1	0.068	Maximum normal load.	
100V/60Hz	0.407	0.6	25.01	F1	0.068	Maximum normal load.	
240V/50Hz	0.188	0.6	25.09	F1	0.036	Maximum normal load.	
240V/60Hz	0.187	0.6	24.98	\$1F1	0.035	Maximum normal load.	
264V/50Hz	0.178	- 5	25.28	F1	0.034	Maximum normal load.	
264V/60Hz	0.178	NO.	25.30	F1	0.033	Maximum normal load.	拉那
Note(s):					15. 711	The state of the s	F of General

2.1.1.5c)1)	TABLE: 1	max. V, A, VA test	60 .00		Р
Voltage (rat	ted) (V)	Current (rated) (A)	Voltage (max.) (V)	Current (max.) (A)	VA (max.) (VA)
5.0		4.1	5.03	5.54	27.86
Note(s):	lit:	环境	The state of the s	4 C **	

2.1.1.5c)2)	TABLE: stored	energy		-11	环 植	· 新	N
	Capacitance C (uF)		Voltage U (V)		En	ergy E (J)
根型	大 地 一	The state of the s	# F	- GO"	100		
Note(s):	Francisco	0 .0	,0"			III:	A THE

2.2	TABLE: evaluation of voltage limiting components in SELV circuits				
Component (measured between)		max. voltage (V)	Voltage Limiting		
		Vpeak	Vd.c.	Components	
110	T1	27.2	1 to 1 - 5		
Fault test pe	rformed on voltage limiting components	Voltage measure	ed (V) in SELV circuit	ts (V peak or V d.c.)	
- F	CO*	~ GO "	-		
Note(s):	100 No	511	A 70	五 孔	

2.5	TABLE: limited power source measurement			10	Р
Measured Uoc (V) with all load circuits		Isc (A)		VA	
disconnecte	disconnected:		Limit	Meas.	Limit
	Normal	5.54	8	27.86	100

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U1,Pin1-6, S-C	0	8	0	100
Note(s): S-C=Short circuit	0	3		-111

2.10.2	TABLE: Working vol	tage measurement		P P
Location		RMS voltage (V)	Peak voltage (V)	Comments
T1:	pin 1 to pin 5	222	348	
T1:	pin 2 to pin 5	223	504	T. T. C.
T1:	pin 3 to pin 5	219	344	C. T.C.
T1:	pin 4 to pin 5	269	520	Max. V _{RMS} and V _{peak}
T1:	pin 1 to pin 6	222	352	The Paris
T1:	pin 2 to pin 6	222	488	relations of Carlotte
T1:	pin 3 to pin 6	219	388	- GO" CO
# T1:	pin 4 to pin 6	265	512	
CY1: Prir	mary to secondary	222	348	- III
PC1:	pin 1 to pin 3	229	360	The state of the s
PC1:	pin 1 to pin 4	229	360	- CO
PC1:	pin 2 to pin 3	230	356	
PC1:	pin 2 to pin 4	228	360	The state of the s

2.10.3 and 2.10.4 TABLE: clearance a	and creepage	distance mea	asurements		-m	P
Clearance cl and creepage distance dcr at/of:	U p (V)	U r.m.s. (V)	Required cl (mm)	cl (mm)	Required dcr (mm)	dcr (mm)
Primary traces of different polarity before fuse	<420	<250	1.5	2.9	2.5	2.9
Trace under fusible resister	<420	<250	1.5	2.6	2.5	2.6
Trace under T1	520	269	4.2	6.5	5.4	6.5
Trace under CY1	348	222	4.0	8.0	5.0	8.0
Trace under PC1	360	230	4.0	8.1	5.0	8.1
From L2 to Sec. circuit	<420	<250	4.0	5.7	5.0	5.7
Note(s):		:511	不拉	五 张	C 5	Jafon do

2.10.5	TABLE: distance through insulation	n measurement	s	711	P
Distance th	rough insulation di at/of:	U r.m.s. (V)	Test voltage (V)	Required di (mm)	di (mm)
	Enclosure	240	3000	0.4	Min. 1.5

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Let the the terms of the terms		10		
Bobbin	240	3000	0.4	Min. 0.45
2 layers of insulating tape	240	3000	3 layers	3 layers
Optocoupler(PC1)	240	3000	0.4	Min. 0.5
Note(s):	1111	F of Good	- F A GOUNT	S. Trois

4.3.8	TABLE: Batt	eries						JE W	N
The tests of 4 not available	.3.8 are appli	cable only	when approp	oriate batter	y data is	不拉測	- 5	F The core	N
Is it possible to	o install the b	attery in a i	reverse pola	rity position	?	and a	GO.	1	N
- 5 7	Non-red	chargeable	batteries			Rechargeal	ole batteri	es	
	Discharging		Uninten-	Cha	rging	Discha	arging	Reverse	Charging
	Meas. Current	Manuf. Specs.	tional charging	Meas. Current	Manuf. Specs.	Meas. Current	Manuf. Specs.	Meas. Current	Manuf. Specs.
Max. current during normal condition	The state of the s	CC ?	}	Q.	₽C	The state of the s		E III-	T
Max. current during fault condition		· ·	4	- C	Car	, GC	All and the second	E.G	
Test results:	- CO"	- C	30				ATT. For	~ 極	Verdict
- Chemical lea	aks		70	1	3 711	手下	Court	St. Francisco	C
- Explosion of	the battery	-	The state of the s	平 计	- (-	r.C	Mes	10
- Emission of	flame or expu	ılsion of mo	olten metal		10				
- Electric strer	ngth tests of e	equipment a	after complet	ion of tests			3	2 700	ZK-3/31
Note(s):				杨神	不恒	Marco	学孙	ATTL.	F. Garage

4.3.8	TABLE: Batteries	-,0	1/0			N
Battery car	tegory			-111	The X	E Was
Manufactu	rer:	一根那	Tr.	A CONTRACTOR	Mary of Green	C 3
Type/mode	el:	- Clobul	A The state of the	100	3	Co
Voltage, C	apacity:	G	0			拉測
Circuit pro	tection diagram		10 M	不恒测	-66	手机
	一	43	h com	F d Golden	2.C	-0
MARKING	S AND INSTRUCTIONS (1.7.12, 1.7.15)					
Location o	f replaceable battery		70		line:	J. Tr
Language	(s)	-111	不懂	March 2	The Management of the Control of the	The World Co
Close to th	e battery	No. of the last of	M. Francisco	- B		30

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450 100	43%	- Table 1	- 11	
In the servicing instructions:				
In the operating instructions:	10	3		liti:
Note(s):		本	位相	不是

4.5	TABLE: maximun	n temperat	ures					Р
THE THE STATE OF T	Test voltage (V)	60	·	a):100V×0 b):240V×1			10	
maximum temperature T of part/at:				Т	(°C)		allowed	
			6	a)		b)	Tmax (°C)	
AC inlet	The Barbara	- 1	- 1	4	44.2			70
CX1				6	3.0		55.5	100
L2				8	3.3	45.	62.3	110
PC1	in the		III:	90	0.5	· 对	90.7	100
C1	1. 电影	- F	KET MANOR	7:	3.4	a control of	66.1	105
CY1	The Frederick	_ \$ Total	_ (7:	2.0		74.7	125
T1 winding	Circles Col	0 "		98	5.1	A.	99.6	110
T1 Bobbin		-111		88	8.9	- F	92.8	110
PCB near T1	70	T TOMORE	事环	9	1.9	-C	97.9	130
C6	A State of Contract of Contrac	- 0	No. of Contract of	7.	4.4		78.3	105
C7	CO	100		83	3.4	校测	89.5	105
C8			是 利	9:	3.0	Find Cooling Co	01.8	105
Enclosure In	side	平环	Comp	70	0.3	-G	73.3	130
Enclosure ou	ıtside	A Parameter of the Control of the Co	C.O	5	1.3		52.1	95
Ambient				2	5.0		25.0	T. 10
Temperat	ure T of winding	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	$R_2(\Omega)$	T (°C)	Allowed T _{max} (°C)	Insulation Class
	E The Comment	7-3	and the same	- G-	(G	1

4.5.5	TABLE: ball pressure test of thermoplastic parts	The second of Contract of Cont	P
	allowed impression diameter (mm):	≤2 mm	
Part		Test temperature(°C)	Impression diameter (mm)
	AC inlet	125	1.1
Note(s):	The state of the s	2G	10

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.7	TABLE: Resistance to fire	- 6			Р
Part	Manufacturer of material	Type of material	Thickness (mm)	Flammability class	Evidence
-	- 111		The comment	The state of the s	A F W

			- Te-524 3.00
	Measured(Ma)	Limit(Ma)	Comments/conditions
/N and output	0.08	0.25	3 - 60
l and enclosure	0.0	0.25	
	/N and output N and enclosure	/N and output 0.08	/N and output 0.08 0.25

5.2	TABLE: electric strength tests and impulse test	ts	PU	
Test volta	ge applied between:	Test voltage (V)	Breakdown	
L/N and Travel charger enclosure		3000	No breakdown	
	L/N and output	3000	No breakdown	
	T1 primary to secondary	3000	No breakdown	
- F	T1 core to secondary	3000	No breakdown	

5.3	TABLE: fault condition tests ambient temperature (°C):					CO N	
Control of Control						24.0	
4.C	rated	markings of p	1 电影				
Component no.		Fault	Test voltage (V)	Test time	Fuse no.	Result	
Output		S-C	264V	10min	F1	Unit shutdown immediately,no output, no hazards.	
Output		O-L	264V	2h	F1	Unit shutdown. Max. Temperature T1 coil=124.6°C, no hazards.	
T1 ,output		♦ S-C	264V	10min	F1 4	Unit shutdown immediately, no hazards.	
T1, output		O-L	264V	3h	F1	Unit run into cycle protect, Max. Temperature T1 coil=129.4°C, no hazards.	
U3, Pin 5-6		S-C	264V	5min	F1	F1 damaged, no hazards.	
U1, Pin 5-1		S-C	264V	5min	F1	F1 damaged, no hazards.	
PC1, Pin1-	2	S-C	264V	10min	F1	Unit shutdown immediately,	no hazards.
PC1, Pin2-4		S-C	264V	10min	F1	Unit shutdown immediately,	no hazards.

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C1	S-C	264V	5min	F1	F1 damaged, no hazards.
D1	S-C	264V	10min	F1	Unit shutdown immediately, no hazards.
BD1	S-C	264V	5min	F1 🐔	F1 damaged, no hazards.

Fault: S-C = short circuit, O-C = open circuit, O-L= overload

Note: --

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Attachment A Photos of product



Fig.1 - Overall view

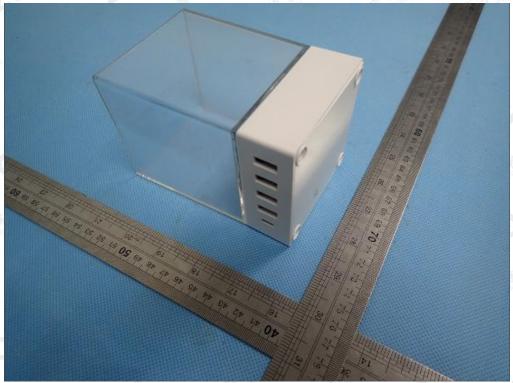


Fig.2 - Overall view

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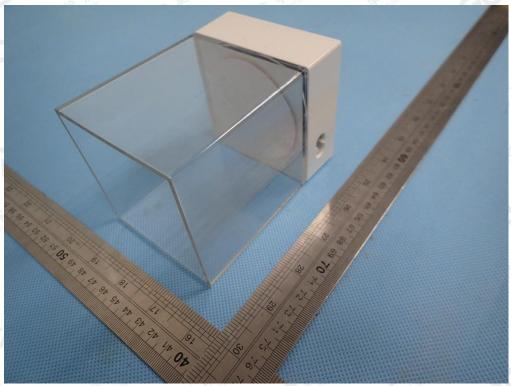


Fig.3 -Overall view

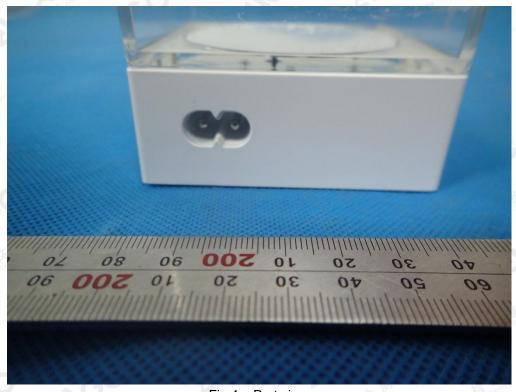


Fig.4 - Part view

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



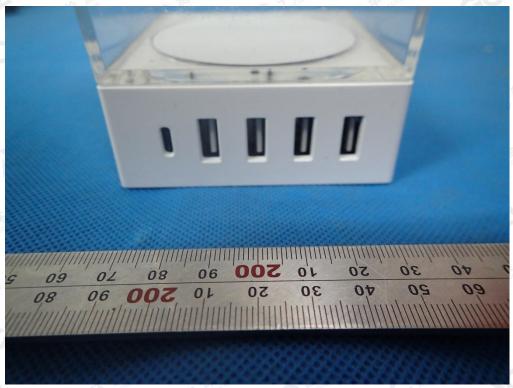


Fig.5 - Part view

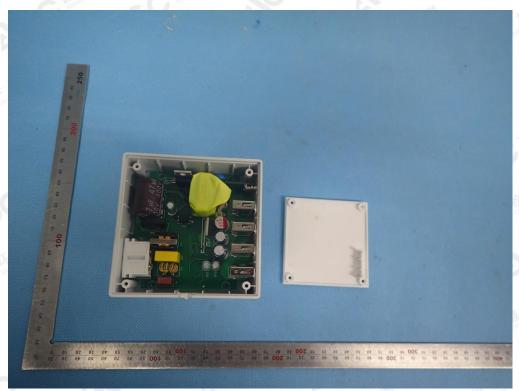


Fig.6 - Part view

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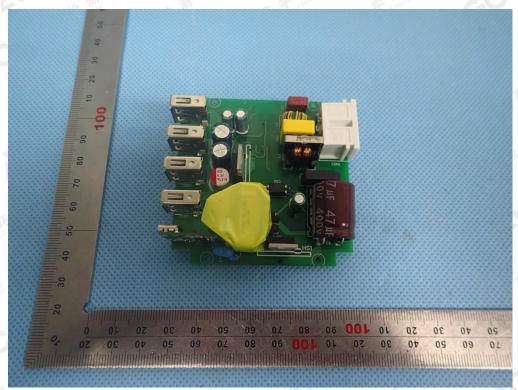


Fig.7 - Part view

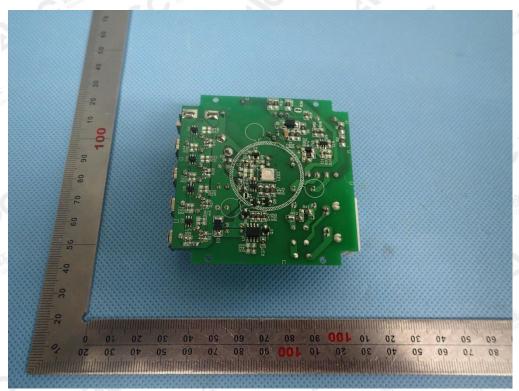


Fig.8 - Part view

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