

# **Safety Test Report**

Report No.: AGC04094181202ES01

**PRODUCT DESIGNATION**: Wireless 10W fast charging pad

BRAND NAME : N/A

MODEL NAME : P308.98

**CLIENT**: Xindao B.V.

**DATE OF ISSUE** : Jan. 14, 2019

**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...... AGC04094181202ES01

Tested by(+ signature) ...... Alabert Liang

Reviewed by (+ signature) ...... Byron Wang

Matte He

Approved by (+signature)......(Authorized Officer)

Date of issue ...... Jan. 14, 2019

Contents...... Total 51 pages

**Testing laboratory** 

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

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

Byron Wang mette He

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

**Applicant** 

Name..... Xindao B.V.

Manufacturer

Name.....: Xindao B.V.

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

**Factory** 

Name.....: Xindao B.V.

Test specification

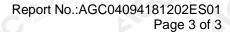
Standard...... EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013

Test procedure ...... Type test

Procedure deviation...... N/A

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

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Test Report Form/blank test report	The Beautiful Th
Test Report Form No	AGC60950A9
Test Report Form(s) Originator	AGC CO
Master TRF	Dated 2018-09
Test item	
Product designation	Wireless 10W fast charging pad
Brandname	N/A
Test model	P308.98
Series model	
Rating(s)	Input: DC 5V/2A or DC 9V/1.67A.  Output: 5W for 5V input, 10W for 9V input.
Test item particulars	Of the state of th
Equipment mobility	
Connection to the mains	
	☐detachable power supply cord☐non-detachable power supply cord☐not directly connected to the mains
Operating condition	
Access location	
Over voltage category(OVC)	:: OVC I OVC II OVC III OVC IV Sother
Mains supply tolerance(%) or absolute supplyvalues	mains N/A
Tested for IT power systems	: ∐Yes ⊠No
IT testing, phase-phase voltage(V)	: N/A
Class of Equipment	
Considered current rating of protective of the building installation (A)	e device as part N/A
Pollution degree(PD)	: □PD 1 □PD3
Protection against ingress of water	: IPX0
Altitude during operation (m)	: 2000m
Altitude of test laboratory (m)	: <500m
Mass of equipment (kg)	: <1 Kg
Test case verdicts	The state of the s
Test case does not apply to the test ob	ject: N (/A)
Test item does meet the requirement	: P (ass)
Test item does not meet the requireme	nt: F (ail)

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**Testing** 

Date of receipt of test item ...... Jan. 03, 2019

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:	15 July	J J Global C	© A Honor Carbon
Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	A STORY	Jan. 14, 2019	Valid	Initial release

# **General product information**

The product is wirless charger for mobile or similar information technology equipment.

The product is supplied by DC 5V or 9V of USB port, therefor its circuit considered as SELV of class III. Also the USB supplied considered complied with LPS of clause 2.5.

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.

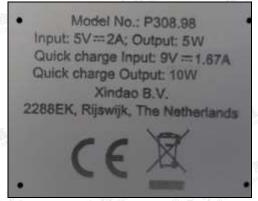
The product was submitted and tested for use at the manufacturer's recommended ambient temperature (Tma) of 40 °C.

#### 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.



#### 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 ormark 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	Verdic
3 July		- CO - CO - 10	
1	GENERAL		P
Alleste			FI PER Compli
1.5	Components	The state of the s	on of P
1.5.1	General	© Filebolion of Co	Р
	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 O
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.	IN a Co
1.5.4	Transformers	No transformers.	estation of N
1.5.5	Interconnecting cables	Cable carry SELV circuit only and energyless than 240VA	Р
1.5.6	Capacitors bridginginsulation	No such capacitor.	M N
1.5.7	Resistors bridging insulation	The state of the s	P
1.5.7.1	Resistors bridging functional, basic or supplementary insulation	Functional only	<b>P</b>
1.5.7.2	Resistors bridging double or reinforced insulation between a.c. mains and other circuits		N
1.5.7.3	Resistors bridging double or reinforced insulation between a.c. mains antenna or coaxial cable	Antonia CA	Manufactor N
1.5.8	Components in equipment for IT power systems	-C	N
1.5.9	Surge suppressors	No such parts.	N
1.5.9.1	General	报 测 K Braines	ο N
1.5.9.2	Protection of VDRs	S A John Committee S A John of Color	N
1.5.9.3	Bridging of functional insulation by a VDR	CC N	N
1.5.9.4	Bridging of basic insulation by a VDR	and a	-∭ N
1.5.9.5	Bridging of supplementary, double or reinforced insulation by a VDR	The state of the s	M
7711	The state of the s	-0 -0	
1.6	Power interface		Р

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	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
1.6.1	AC power distribution systems	No direct mains connection.	N		
1.6.2	Input current	(See appended table 1.6.2)	Р 👊		
1.6.3	Voltage limit of hand-held equipment	Not handheld equipment and supplied by DC 9V max	The Name		
1.6.4	Neutral conductor	Class III equipment, no neutral conductor.	N		

1.7	Marking and instructions	大型 人名	· PF
1.7.1	Power rating	See below	P
2	Rated voltage(s) or voltage range(s) (V):	5V or 9V	
Alle ste	Symbol for nature of supply, for d.c. only:	No connected to mains	
6	Rated frequency or rated frequency range (Hz):	DC supply	
	Rated current (mA or A)	5V/2A or 9V/1.67A	
1.7.1.2	Identification markings	20 - GO	P
Outblow (8)	Manufacturer's name or trademark or identification mark:	See marking plate	
6	Type/model or type reference:	See marking plate	
	Symbol for Class II equipment only:	Class III equipment	
TK Andria	Other marking and symbols:	See marking plate.	
1.7.1.3	Use of graphical symbols	测	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1.7.2	Safety instructionsand marking	Provided.	Ps
1.7.2.1	General	See below.	Р
1.7.2.2	Disconnect devices	Class III equipment	N
1.7.2.3	Overcurrent protective device	: :::::::::::::::::::::::::::::::::::::	NE NE
1.7.2.4	IT power distribution systems	The temporary S	non of Ground
1.7.2.5	Operator access with a tool	Signature of the state of the s	N
1.7.2.6	Ozone	- (10	N
1.7.3	Short duty cycles	Equipmentis designed forcontinuous operation.	N
1.7.4	Supply voltage adjustment:	No such devices used	N
一手 Kinda Con	Methods and means of adjustment; reference to installation instructions:	CC D	N
1.7.5	Power outlets on the equipment:	拉那 不	Impliance N
1.7.6	Fuse identification (marking, special fusing characteristics, cross-reference):	So Milliand College Co. Milliand College	N
1.7.7	Wiring terminals	60	N

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	EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict	
1.7.7.1	Protective earthing and bonding terminals:	Class III equipment, no protective earthing	N	
1.7.7.2	Terminal for a.c. mains supply conductors		N	
1.7.7.3	Terminals for d.c. mains supply conductors	E TA BERNERO	on of Color N	
1.7.8	Controls and indicators	No switch or controls	N	
1.7.8.1	Identification, location and marking:	No safety relevant	N	
1.7.8.2	Colours		N	
1.7.8.3	Symbols according to IEC 60417	The Barrier That Completion	N	
1.7.8.4	Markings using figures	Not applicable.	O N	
1.7.9	Isolation of multiple power sources	No direct connection to mainssupply	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 N	
1.7.11	Durability	The marking withstands required tests.	Р	
1.7.12	Removable parts	On main part of the product.	P	
1.7.13	Replaceable batteries	No battery used	# N	
0	Language(s)	M. Commercial Commerci		
1.7.14	Equipment for restricted access locations:		N	

2	PROTECTION FROM HAZARDS	10000000000000000000000000000000000000	P
2.1	Protection from electric shock and energy hazards	No hazardous parts in operatoraccess areas.	P
2.1.1	Protection in operator access areas		Р
2.1.1.1	Access to energized parts	No energized parts.	Р
9	Test by inspection	· Barrer · · · · · · · · · · · · · · · · · ·	
lite	Test with test finger(Figure 2A)	© Marting of Co.	
Compliance	Test with test pin (Figure 2B)	GO	
D <sub>20</sub>	Test with test probe (Figure 2C)		
2.1.1.2	Battery compartments	The State of the S	National
2.1.1.3	Access to ELV wiring	No ELV wiring	N
M. Ford Clobal	Working voltage (Vpeak or Vrms); minimum distance (mm) through insulation	CO	
2.1.1.4	Access to hazardous voltage circuit wiring	The tempore of the	N N
2.1.1.5	Energy hazards	No accessible energy hazards	N
2.1.1.6	Manual controls	30 30	N
2.1.1.7	Discharge of capacitors in equipment	No primary circuit.	N

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	EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict	
1 THE	Time-constant (s); measured voltage (V)	GO GO .		
2.1.1.8	Energy hazards – d.c. mains supply	Not directly connect to mains supply	N 🔬	
Alle sta	a)Capacitor connected to the d.c. mains supply:		The N	
, w	b)Internal battery connected to the d.c. mains supply	The comment of the co	on of Co	
2.1.1.9	Audio amplifiers	No any amplifiers	N	
2.1.2	Protection in service access areas	1111	N	
2.1.3	Protection in restricted access locations	T. Bridge	O N	

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

2.3	TNV circuits	100	N
2.3.1	Limits		N N
	Type of TNV circuits:	T. W. Aller	N
2.3.2	Separation from other circuits and from accessible parts	S. Marine	SN Free
2.3.2.1	General requirements		N
2.3.2.2	Protection by basic insulation	111 4 111	N
2.3.2.3	Protection by earthing	A Commission	N
2.3.2.4	Protection by other constructions:	C Management CO	N
2.3.3	Separation from hazardous voltages	CO P	N
~G	Insulation employed:	2.11	N s
2.3.4	Connection of TNV circuits to other circuits	The State Company	N
પ્રદેશ	Insulation employed:	1 March 20 March 20	N
2.3.5	Test for operating voltages generated externally		N

2.4	Limited current circuits	报 测	(Contraction of Global	N
2.4.1	General requirements	No limited current evaluated.	circuits to be	N
2.4.2	Limit values		777	N ,

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	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
1111 m	Frequency (Hz)	GO GO - (	N		
Comp	Measured current (mA)		N and		
Alfestr	Measured voltage (V)	700	The Name		
5	Measured capacitance (nF or μF)	The state of the s	on of Care N		
2.4.3	Connection of limited current circuits to other circuits	CC TO NO	N		

2.5	Limited power sources	The Manufactor The Action of the Company	® Nestation of
	a)Inherently limited output	Marian de Marian de Marian de Co	O N
® ##	b)Impedance limited output	" CO	N
GG M	c)Regulating network limited output under normal operating and single fault condition	T. E. M.	M N
	d)Overcurrent protective device limited output	S State and a column S State a	N.
<b>Jul</b> ompliance	Max. output voltage (V), max. output current (A), max. apparent power (VA)	CC SCC	
8	Current rating of overcurrent protective device (A)	The state of the s	N N Normalia
G	Use of integrated circuit (IC) current limited	C To all the control of the control	alation of N

2.6	Provisions for earthing and bonding		N
2.6.1	Protective earthing	Class III equipment.	M N
2.6.2	Functional earthing	S SE Tradicional	N
	Use of symbol for functional earthing:	® ## spinor Co	N
2.6.3	Protective earthing and protective bonding conductors		N A
2.6.3.1	General	The state of the s	N
2.6.3.2	Size of protective earthing conductors	State Course State State Course Course	N
Marco Marco	Rated current (A), cross-sectional area (mm2), AWG	CC TO	N
2.6.3.3	Size of protective bonding conductors	11000000000000000000000000000000000000	N %
	Rated current (A), cross-sectional area (mm2), AWG:	O Manufacture of Control of State of Control	CN
2.6.3.4	Resistance of earthing conductors and their terminations, resistance( $\Omega$ ), voltage drop(V),test current (A), duration(min)		N
2.6.3.5	Colour of insulation	to Sign of Country Of Sign of Co	N-
2.6.4	Terminals	CC ***	N
2.6.4.1	General		N

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EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict	
2.6.4.2	Protective earthing and bonding terminals	GO GO .	N	
© Figure 1	Rated current (A), type and nominal thread diameter (mm):		N A	
2.6.4.3	Separation of the protective earthing conductor from protective bonding conductors	The state of the s	on of Global N	
2.6.5	Integrity of protective earthing	-0.3	N	
2.6.5.1	Interconnection of equipment	100	N	
2.6.5.2	Components in protective earthing conductors and protective bonding conductors	T. T	N.	
2.6.5.3	Disconnection of protective earth		N	
2.6.5.4	Parts that can be removed by an operator	300	N	
2.6.5.5	Parts removed during servicing		N	
2.6.5.6	Corrosion resistance	a Francisco	N.	
2.6.5.7	Screws for protective bonding	- C. ** C.C	N	
2.6.5.8	Reliance on telecommunication network or cable distribution system	SO FIGURE	N	

2.7	Overcurrent and earth fault protection in primary circuits			
2.7.1	Basic requirements No primary circuits.			
ite station of Clobal	Instructions when protection relies on building installation		N N	
2.7.2	Faults not covered in 5.3.7	S A State of Control	N	
2.7.3	Short-circuit backup protection	30	N	
2.7.4	Number and location of protective devices:		N	
2.7.5	Protection by several devices		IN Nompilar	
2.7.6	Warning to service personnel:	K Commission The Management of the State of	ieselion of N	

2.8	Safety interlocks	100	N
2.8.1	General principles	No safety interlocks	N
2.8.2	Protection requirements	The comment of the contract of	N
2.8.3	Inadvertent reactivation	American C American	N
2.8.4	Fail-safe operation	GY NO	N
Attestation	Protection against extreme hazard	超测 玉	I Pro N
2.8.5	Moving parts	By San Comment of the	N
2.8.6	Overriding	-C - CC	N
2.8.7	Switches and relays		N

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20 F 100		3////	-6111
	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
2.8.7.1	Contact gaps (mm)	GO GO	N
2.8.7.2	Overload test		N and
2.8.7.3	Endurance test	illi,	N. N.
2.8.7.4	Electric strength test	The Compliance	© Figure N
2.8.8	Mechanical actuators	opa (8) Medation of 6	NC

2.9	Electrical insulation		P //
2.9.1	Properties of insulating materials	Natural rubber, asbestos or hygroscopic materials are not used.	Р
2.9.2	Humidity conditioning	-C	N
	Humidity (%),temperature (°C)		N
2.9.3	Grade of insulation	Functional only	npliance P
2.9.4	Separation from hazardous voltages	S Standard Comment	N
TILL.	Method(s) used:	CC - GO	N

2.10	Clearances, creepage distances and distances through insulation		
2.10.1	General	Functional insulation only.	estation of P
板手	Frequency		N
F of Global Com	Pollution degrees	2	P
itestam	Reduced values for functional insulation	Complied with 5.3.4 (c	P P
	Intervening unconnected conductive parts	Cocha Commission (Cocha Cocha	N
	Insulation with varying dimensions		N
® ##	Special separation requirements		N 🐠
TG ATTE	Insulation in circuits generating starting pulses		Z JAN Omolian
2.10.2	Determination of working voltage	The Committee of the Co	alion of N
2.10.3	Clearances	C Manual C	N
2.10.3.1	General	100 P	N
2.10.3.2	Mains transient voltages	海河 海河	N #
	a)AC mains supply:	The committee of the desired control of the control	N
26	b)Earthed d.c. mains supplies	2 C 1000 SC	N
F Global Co	c)Unearthed d.c. main supplies		N
Attestation	d)Battery operation:	18 M	ompliance N
2.10.3.3	Clearances in primary circuits	of the state of th	N_
2.10.3.4	Clearances in secondary circuits	-0	N
2.10.3.5	Clearances incircuits having starting pulses		N

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Clause	Requirement – Test	Result – Remark	Verdict
2.10.3.6	Transients from a.c. mains supply:	rtoman	N
2.10.3.7	Transients from d.c. mains supply:	10 10 h	N
2.10.3.8	Transients from telecommunication networks and cable distribution systems		N
2.10.3.9	Measurement of transient voltage levels	and Service Control of the Control o	N
The state of the s	a)Transients from a mains supply	-C 30	N
Alles lation of Grand	For a.c. mains supply	NOT IN	N
< G	For d.c. mains supply	The state of the s	® N
	b)Transients from	@ Francisco	O N
2.10.4	Creepage distances	- GO 5	N
2.10.4.1	General	- 311	₩ N
2.10.4.2	Material group and comparative tracking index	The Completion of The State of	N
	CTI tests	(8) All statements of the statement of t	N
2.10.4.3	Minimum creepage distances	GO \GO	N
2.10.5	Solid insulation		N
2.10.5.1	General	LE THE STATE OF TH	N
2.10.5.2	Distances through insulation	Grant Commercial Comme	N
2.10.5.3	Insulation compound as solid insulation	700 70	N
2.10.5.4	Semiconductor device		M N
2.10.5.5	Cemented joints	报 # The	N
2.10.5.6	Thin sheet material - General	© All Find Colonia	N
2.10.5.7	Separable thin sheet material	3 60 8	N
© 35 and a static	Number or layers(pcs)		N
2.10.5.8	Non-separable thin sheet material		N
2.10.5.9	Thin sheet material – standard test procedure	schalconne (i) and schalconne (ii)	N
超 測	Electric strength test	2.C	N
2.10.5.10	Thin sheet material – alternative test procedure		N
10	Electric strength test	The same of the companion	⊗ N
2.10.5.11	Insulation in wound components	S Figure of Goods	N
2.10.5.12	Wire in wound components	CO E	N
The salion of Global Car	Working voltage	-call	₩ N
Alles	a)Basic insulation not under stress	The state of the s	Complete N
	b)Basic, supplementary, reinforced insulation:	ce (S) All states of Cooles (S) All states of Cooles	N
TIME .	c)Compliance with Annex U:	CO " CO	N

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EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict
Till Compliance	Two wires in contact inside wound component; angle between 45° and 90°	CC CC	N
2.10.5.13	Wire with solvent-based enamel in wound components		N. The
	Electric strength test	and Committee of the Co	N
The Kill Compil	Rountine test	- 6	N
2.10.5.14	Additional insulation in wound components		N
- 6	Working voltage	报业 不是	N
	-basic insulation not under stress	Count Count	N
3	-Supplementary, reinforced insulation:	CC III	N
2.10.6	Construction of printed boards		<sub>m</sub> N
2.10.6.1	Uncoated printed boards	<b>大松</b>	ompliance N
2.10.6.2	Coated printed boards	8 Sandalind Com	N
2.10.6.3	Insulation between conductors on the same inner surface of a printed board	CC CC	N
2.10.6.4	Insulation between conductors on different layers of a printed board	THE THE PARTY OF T	N 1
	Distance through insulation	The state of the s	N
The Million	Number of insulation layers(pcs)	100 NO	N
2.10.7	Component external terminations		M N
2.10.8	Tests on coated printed boards and coated components	The transfer of the transfer o	N
2.10.8.1	Sample preparation and preliminary inspection	30	N
2.10.8.2	Thermal conditioning		N
2.10.8.3	Electric strength test		T/N
2.10.8.4	Abrasion resistance test	K a Companie	N
2.10.9	Thermal cycling	C Mentaline CO	N
2.10.10	Test for Pollution Degree 1 environment and insulating compound	NGO NA NA	N
2.10.11	Test for semiconductor devices and cemented joints	O ME TO COMPANY OF THE PARTY OF	N
2.10.12	Enclosed and sealed parts	20	N

3	WIRING, CONNECTIONS AND SUPPLY				ornpilant. P
3.1	General	The Compliance	© Francisco de Caloba	(S) Attestation of C	Р
3.1.1	Current rating and overcurrent protection	Ho.	dequate cross secti	onal areas on	Р

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	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
3.1.2	Protection against mechanical damage	Wires do not touch sharp edges that could damage the insulation and cause hazard.	P		
3.1.3	Securing of internal wiring	Internal wiring is reliable secured	πP		
3.1.4	Insulation of conductors	Functional only	on of P		
3.1.5	Beads and ceramic insulators	No such insulators provided.	N		
3.1.6	Screws for electrical contact pressure	No electrical contact pressure by screwed connections.	N		
3.1.7	Insulating materials in electrical connections	No contact pressure through insulating material.	⊗ N Financial Control of the Contro		
3.1.8	Self-tapping and spaced thread screws	Thread-cutting or space thread screws are not used for electrical connections.	N		
3.1.9	Termination of conductors	100	. <sup>™</sup> P		
	10 N pull test	THE TAXABLE CONTRACTOR OF THE ACCOUNTS	N		
3.1.10	Sleeving on wiring	No sleeving used to provide supplementary insulation	N		

3.2	Connection to a mains supply	THE TOTAL PROPERTY OF THE PARTY	N
3.2.1	Means of connection:	Class III equipment, no mains connection.	Setation of N
3.2.1.1	Connection to an a.c. mains supply		N
3.2.1.2	Connection to a d.c. mains supply	E.	M N
3.2.2	Multiple supply connections	The state of the s	N
3.2.3	Permanently connected equipment	8 A Food Columbia	N Amer
© 49th	Number of conductors, diameter (mm) of cable and conduits	S BGO A	
3.2.4	Appliance inlets		N
3.2.5	Power supply cords	K Commence & H. Commence & March	M N
3.2.5.1	AC power supply cords	See Afficiation of C	N
ME Compliance	Type	100 P	
N.C	Rated current (A), cross-sectional area (mm²), AWG	T. T	
3.2.5.2	DC power supply cords	3 # approved class (8) # appropriate C	N
3.2.6	Cord anchorages and strain relief	, GO D	N
The station of Glob	Mass of equipment (kg), pull (N)	199	
<del> </del>	Longitudinal displacement (mm)	A The Townson of The Townson	
3.2.7	Protection against mechanical damage	© Statement Comments	N
3.2.8	Cord guards	60 10	N
® <b>4</b>	D (mm); test mass (g):	100	



and shall		2[[[]]	Illin			
	EN 60950-1					
Clause	Requirement – Test	Result – Remark	Verdict			
17 mm	Radius of curvature of cord (mm)	GO GO				
3.2.9	Supply wiring space		N			

3.3	Wiring terminals for connection of external cond	uctors	on of Char
3.3.1	Wiring terminals	* * * * * * * * * * * * * * * * * * *	N
3.3.2	Connection of non-detachable power supply cords	CO I	N
3.3.3	Screw terminals	The Manager The The Company	® N station
3.3.4	Conductor sizes to be connected	State of class of the state of	O N
® Allest	Rated current (A), cord/cable type, cross-sectional area (mm²)	EGO DE	
3.3.5	Wiring terminal sizes	不是,	ingliance N
TIII	Rated current (A), type and nominal thread diameter (mm):	C Marine CO Marine	
3.3.6	Wiring terminals design	0	N
3.3.7	Grouping of wiring terminals	The state of the s	N
3.3.8	Stranded wire	E TO SEE SEE SEE	aption of N

3.4	Disconnection from the mains supply		N
3.4.1	General requirement	Class III equipment	M N
3.4.2	Disconnect devices	TA SCHOOL OF THE STANDARD	N
3.4.3	Permanently connected equipment	© Manufacture C. C. Steel	N
3.4.4	Parts which remain energized		N
3.4.5	Switches in flexible cords		N Tompie
3.4.6	Single-phase equipment and d.c. equipment	The state of the s	Monof Circle
3.4.7	Three-phase equipment	Solution S & A CO	N
3.4.8	Switches as disconnect devices	- GO . E.	N
3.4.9	Plugs as disconnect devices		N
3.4.10	Interconnected equipment	The Target of the State of the	® Natestali
3.4.11	Multiple power sources	3 # June Cook 8 # June Cook Cook Cook Cook Cook Cook Cook Coo	N

3.5	Interconnection of equipment		P
3.5.1	General requirements	The Company	P
3.5.2	Types of interconnection circuits	SELV circuit only.	Р
3.5.3	ELV circuits as interconnection circuits	No ELV interconnections.	N
3.5.4	Data ports for additional equipment	No such data port	NA

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Clause	Requirement – Test	Result – Re	emark	Verdict
FL 700	The second secon	60	60°	GU
4	PHYSICAL REQUIREMENTS			P
4.1	Stability	et libre	litti:	The N
	Angle of 10°	Kingliance Compliance	The Acomphanic ®	M On of Co. N
人枪	Test: force (N)	10 mg	att a suion of the suit of the	N
High of Glopal Con	A CO	100		
4.2	Mechanical strength			P a

4.2	Mechanical strength	1111	P
4.2.1	General	The Company of the State of the	N
	Rack-mounted equipment.		N
4.2.2	Steady force test, 10 N	Applied to internal component	Р
4.2.3	Steady force test, 30 N		politico 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	60 50	N
(S) #St	Fall test	:iii	N
2.C	Swing test	The Company	N
4.2.6	Drop test; height(m)	1m	P
4.2.7	Stress relief test	75°C, 7hours, no hazard.	Р
4.2.8	Cathode ray tubes	No cathode ray tube.	M N
esta	Picture tube separately certified	孤. 题	N
4.2.9	High pressure lamps	No high pressure lamp	N
4.2.10	Wall or ceiling mounted equipment; force (N):	60	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)		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	© Management and the second of	O N
4.3.6	Direct plug-in equipment	Not direct plug-in equipment.	N
The clatton of Globs	Torque	:10	₩ N
bree	Compliance with the relevant mains plug standard	S S S S S S S S S S S S S S S S S S S	N N
4.3.7	Heating elements in earthed equipment	No heating elements.	N
4.3.8	Batteries		N

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
711	-Overcharging of a rechargeable battery	GO 60 1	N
© Marie State	-Unintentional charging of a non-rechargeable battery		N I
-,0	-Reverse charging of a rechargeable battery	E The Table of the Control of the Co	on of Globa N
15.	-Excessive discharging rate for any battery	and come (S. M. Hard Column)	N
4.3.9	Oil and grease	No Oil and grease.	N
4.3.10	Dust, powders, liquids and gases		N
4.3.11	Containers for liquids or gases	下 整	<sup>®</sup> N
4.3.12	Flammable liquids	Standard Calaba Standard Co	U N
® ##	Quantity of liquid (I)	- CO D	N
F.C Allesto	Flash point (°C)		₩ N
4.3.13	Radiation; type of radiation	The Manual Company of The Company	Р
4.3.13.1	General		P
4.3.13.2	Ionizing radiation	No ionizing radiation	N
® <b>5</b>	Measured radiation (pA/kg)		
CO M	Measured high-voltage (kV)	The state of the s	<del></del>
-111	Measured focus voltage (kV)	E American	
TK KE THE	CRT markings	100	
4.3.13.3	Effect of ultraviolet (UV) radiation on materials	No ultraviolet radiation	N N
3,0	Part, property, retention after test, flammability classification	The transfer of the transfer o	N
4.3.13.4	Human exposure to ultraviolet (UV) radiation:	- Allestones CO	N
4.3.13.5	Lasers (including laser diodes) and LEDs		P
4.3.13.5.1	Lasers (including laser diodes)		TN
	Laser class	K Company	<u></u>
4.3.13.5.2	Light emitting diodes (LEDs)	LED for indication function only	
4.3.13.6	Other types:	700 D	N

4.4	Protection against hazardous moving parts		N
4.4.1	General	No moving parts	N
4.4.2	Protection in operator access areas		N
Afte tation	Household and home/office document/media shredders	The state of the s	Serretaine N
4.4.3	Protection in restricted access locations	C Marketing of C Marketing	N
4.4.4	Protection in service access areas	100	N
4.4.5	Protection against moving fan blades	报测	N

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EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict	
4.4.5.1	General	GO GO ~	N	
Comp	Not considered to cause pain or injury. a)		N 👊	
Alle sta	Is considered to cause pain, not injury. b)	70	The N	
	Considered to cause injury.	Barrer T. Comment Of State	or of Gran	
4.4.5.2	Protection for users	S Stanford CO	N	
Figure of Global	Use of symbol or warning	CO DO	Ń	
4.4.5.3	Protection for service persons		N 🦔	
NO	Use of symbol or warning:	The Tomburn	N	

4.5	Thermal requirements	10	P
4.5.1	General	4	Tilliance P
4.5.2	Temperature tests	(see appended table 4.5)	P
Till)	Normal load condition per Annex L	C. Filment C.C. Film	
4.5.3	Temperature limits for materials	(see appended table 4.5)	Р
4.5.4	Touch temperature limits	(see appended table 4.5)	P
4.5.5	Resistance to abnormal heat	No thermoplastic parts on which parts athazardous voltage are directly mounted.	N

4.6	Openings in enclosures		P
4.6.1	Top and side openings	No openings	Р
	Dimensions (mm)	© ## studend Com	
4.6.2	Bottoms of fire enclosures	Fire enclosure not required and no openings	N
30	Construction of the bottom		
4.6.3	Doors or covers in fire enclosures	And Comme	N
4.6.4	Openings in transportable equipment	Supplied by USB port complied with LPS	Р
4.6.4.1	Constructional design measures		N
	Dimensions(mm)	The Company of The Comment	<sup>®</sup> N <sub>the station</sub>
4.6.4.2	Evaluation measures for larger openings	3 # January C	N
4.6.4.3	Use of metallized parts	1 100	N
4.6.5	Adhesives for constructional purposes		N
	Conditioning temperature (°C), time (weeks):	The Committee of the Control	

4.7	Resistance to fire	Allestation C	30	10	Р
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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
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 III
3 No. 1	Method 2, application of all of simulated fault condition tests	Substitution of the state of th	N N
4.7.2	Conditions for a fire enclosure	See appended table 1.5.1	Р
4.7.2.1	Parts requiring a fire enclosure		N
4.7.2.2	Parts not requiring a fire enclosure	Supplied by USB port considered complied with LPS	P
4.7.3	Materials	CO	Р
4.7.3.1	General		- P
4.7.3.2	Materials for fire enclosures	See appended table 1.5.1	P P
4.7.3.3	Materials for components and other parts outside fire enclosures	HB or better	Р
4.7.3.4	Materials for components and other parts inside fire enclosures	C N	N
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 Chon of Chons	ELECTRICAL REQUIREMENTS AND SIMULATED ABNORMAL CONDITIONS		
5.1	Touch current and protective conductor current	it Kanada	N
5.1.1	General	Classs III equipment	N
5.1.2	Equipment under test (EUT)	J TO S	N
5.1.2.1	Single connection to an a.c. mains supply		N
5.1.2.2	Redundant multiple connections to an a.c. mains supply	A TE THE THE PARTY OF THE PARTY	N
5.1.2.3	Simultaneous multiple connections to an a.c. mains supply	CC BOO	N
5.1.3	Test circuit		N
5.1.4	Application of measuring instrument	The transfer of the transfer o	N
5.1.5	Test procedure	3 Manualin of Galactic Company of Manualin as	N
5.1.6	Test measurements	1 100	N
Milestation of Great	Test voltage (V)	1111	, N
	Measured touch current (mA)	The state of the s	N
and the same	Max. allowed touch current (mA)	- G	N
-Min	Measured protective conductor current (mA):	100	N
® 4	Max. allowed protective conductor current (mA) .:		N

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EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict	
5.1.7	Equipment with touch current exceeding 3.5 mA:	GO GO .	N	
5.1.7.1	General		N 📶	
5.1.7.2	Simultaneous multiple connections to the supply	THE STATE OF THE S	The N	
5.1.8	Touch currents to and from telecommunication networks and cable distribution systems and from telecommunication networks	CO TO THE CO	N C	
5.1.8.1	Limitation of the touch current to a telecommunication network and a cable distribution system	NO THE REAL PROPERTY OF THE PARTY OF THE PAR	N ® Æ	
	Test voltage (V)	Marie de distriction Company	∪ N	
® ##	Measured touch current (mA)	- GO D	N	
C Attest	Max. allowed touch current (mA)		<b>∌</b> N	
5.1.8.2	Summation of touch currents from telecommunication networks	O M. Total Confidence O M. Total Confidence	N	
	a)EUT with earthed telecommunication ports:	60 500	N	
omphan 8 M	b)EUT whose telecommunication ports have no reference to protective earth		N	

5.2	Electric strength	(S. S. Cooker Commercial Control of Control	Manual Alland	- GO "	N
5.2.1	General	A Alles de la Companya de la Company	Class III equipment		N
5.2.2	Test procedure		illi	检	M N

5.3	Abnormal operating and fault conditions	® Amendered Cook	Р
5.3.1	Protection against overload and abnormal operation	(see appended table 5.3)	P
5.3.2	Motors	No 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 Companies	N Natestation
5.3.7	Simulation of faults	Result see appended table 5.3.	Р
5.3.8	Unattended equipment	1 100	N
5.3.9	Compliance criteria for abnormal operating and fault conditions	No flame emitted, no moltenmaterial emitted, no deformationof enclosure	P P
5.3.9.1	During the tests	No hazards.	P
5.3.9.2	After the tests	Class III equipment	N

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	EN 60950-1			
Clause	Requirement – Test	Result – Remark		Verdict
6	CONNECTION TO TELECOMMUNICATION NET	WORKS	CO ~ (	N
6.1	Protection of telecommunication network servi equipment connected to the network, from haz			N N
6.1.1	Protection from hazardous voltages	100 m	The Compliance & The Compliance	on of Global N
6.1.2	Separation of the telecommunication network from	earth	Column Colombia	N
6.1.2.1	Requirements	CC Mo		N
Attestation 3	Test voltage (V)		lin:	
<b>₹</b> C	Current in the test circuit (mA)	To Manual area	The Compliance	
6.1.2.2	Exclusions:	The Global Control of Global C	® # Jahor of Guard	O N

6.2	Protection of equipment users from overvoltages on telecommunication networks		
6.2.1	Separation requirements	玉 · ***********************************	N
6.2.2	Electric strength test procedure	© Management Co.	N
6.2.2.1	Impulse test	GO VO	N
6.2.2.2	Steady-state test	, iii	N
6.2.2.3	Compliance criteria	The Transfer	N

6.3	Protection of the telecommunication wiring sys	tem from overheating	N
-tation of Globa	Max. output current (A):		
	Current limiting method:	T B. M. T.	

7	CONNECTION TO CABLE DISTRIBUTION SYSTEMS		N
7.1	General		N
7.2	Protection of cable distribution system service persons, and users of other equipment connected to the system, from hazardous voltages in the equipment		N C
7.3	Protection of equipment users from overvoltages on the cable distribution system		Ń
7.4	Insulation between primary circuits and cable distribution systems	S Manufact of characters of the Comment of the Comm	C N
7.4.1	General	1 100	N
7.4.2	Voltage surge test		. <sup>™</sup> N
7.4.3	Impulse test	The Company of The State of The	N

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	EN 60950-	-1	1	
Clause	Requirement – Test	Result – Remark	Verdict	
A	ANNEX A, TESTS FOR RESISTANCE TO HEAT	T AND FIRE	N	
A.1		Flammability test for fire enclosures of movable equipment having a total mass exceeding 18 kg, and of stationary equipment (see 4.7.3.2)		
A.1.1	Samples	· E		
A.S.	Wall thickness (mm)	Copyright (Copyright)		
A.1.2	Conditioning of samples; temperature (°C)		N	
A.1.3	Mounting of samples		N	
A.1.4	Test flame (see IEC 60695-11-3)	The Manager of the Company of the Co	N	
	Flame A, B, C or D	© Marind Closes & Marinda de Company		
A.1.5	Test procedure	C · CO	N	
A.1.6	Compliance criteria	::10	. ₩N	
	Sample 1 burning time (s)	· 14		
	Sample 2 burning time (s)	© Martiner of Company		
F Times	Sample 3 burning time (s)			
A.2	Flammability test for fire enclosures of movable e exceeding 18 kg, and for material and componen 4.7.3.2 and 4.7.3.4)		N K	
A.2.1	Samples, material	: LO		
The Medicani	Wall thickness (mm)			
A.2.2	Conditioning of samples		N	
A.2.3	Mounting of samples	The State of the S	N g	
A.2.4	Test flame (see IEC 60695-11-4)	® # Market	N	
	Flame A, B or C			
A.2.5	Test procedure		N	
A.2.6	Compliance criteria	下 · · · · · · · · · · · · · · · · · · ·	N	
	Sample 1 burning time (s)	deligation ( ) The state of the		
KE THIS OF THE SECOND	Sample 2 burning time (s)			
oal Con	Sample 3 burning time (s)			
A.2.7	Alternative test acc. To IEC 60695-2-2, cl. 4 and 8	O THE STATE OF THE	N	
T. X	Sample 1 burning time (s)	1. CO		
The allon of Global's	Sample 2 burning time (s)	: and		
Attes	Sample 3 burning time (s)	: all In the second		
A.3	Hot flaming oil test (see 4.6.2)	January State Stat	N	
A.3.1	Mounting of samples	60 - 60	N	
A.3.2	Test procedure		N	



	EN 60950-1				
Clause	Requirement – Test		Result – Rema	ırk	Verdict
A.3.3	Compliance criterion	(R) Franciciobal con	40	CO AME	N

BO	ANNEX B, MOTOR TESTS UNDER ABNORMAL CONDITIONS (see 4.7.2.2 and 5.3.2)	The Normana
B.1	General requirements	N
_ F Thomas	Position:	
Allestation -	Manufacturer:	
	Type:	
	Rated values ::	
B.2	Test conditions	N
B.3	Maximum temperatures	₩ N
B.4	Running overload test	do de Compile N
B.5	Locked-rotor overload test	N
II diance	Test duration (days):	
© 4	Electric strength test: test voltage (V):	
B.6	Running overload test for d.c. motors in secondary circuits	N Day 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 and
B.7.2	Alternative test procedure; test time (h):	IN Compliant
B.7.3	Electric strength test	testation 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 Tool	ANNEX C, TRANSFORMERS (see 1.5.4 and 5.3.3)		N
Attestation	Position		
	Manufacturer	Marco Samuel Company (Samuel Company)	
litte:	Type:	- G ***********************************	
Compliance	Rated values:		



24 Malalos			11111111		litter-
	EN 60950-1				
Clause	ause Requirement – Test Result – Remark				
地	Method of protection:	60	20	The s	
C.1	Overload test				N sal
C.2	Insulation	-all	litte:		J.N.
	Protection from displacement of windings:	K Kampilance	The Compliance	® <b>%</b>	ation of N

D Con of Global	ANNEX D, MEASURING INSTRUMEN	ITS FOR TOUC	H-CURRENT T	ESTS (see 5.1.4)	N
D.1	Measuring instrument		line.	10 m	N A
D.2	Alternative measuring instrument	- FIII	The Milanus	Thomas Comp	N. installari

F	ANNEX F, MEASUREMENT OF CLEARANCES AND CREEPAGE DISTANCES		N
	(see 2.10)	The description of the state of	

G	ANNEX G, ALTERNATIVE METHOD FOR DETERMINING MINIMUM CLEARANCES		
G.1	Clearances	The state of the s	F Noval
G.1.1	General	Education C. Statement C. S. Statement C. C.	Alleston N
G.1.2	Summary of the procedure for determining minimum clearances	100	N
G.2	Determination of mains transient voltage (V):	T. T.	ompliance N
G.2.1	AC mains supply	Stand Company & Standard Comman	N A
G.2.2	DC mains supply	Augustical Company	N
G.2.3	Unearthed DC mains supply:		N a
G.2.4	Battery operation:	iii	IN Complete
G.3	Determination of telecommunication network transient voltage (V):	The state of the s	Restation of N
G.4	Determination of required withstand voltage (V) .:	200	N
G.4.1	Mains transients and internal repetitive peaks:		N
G.4.2	Transients from telecommunication networks:	The Manager of The Community of the Comm	Namestation
G.4.3	Combination of transients	© Martin d Galance (Control of State and Control of	N
G.4.4	Transients from cable distribution systems	) CO P	N
G.5	Measurement of transient levels (V):	300	N
1007	a) Transients from a mains supply	到 表现	oal Conne
	For an a.c. mains supply	(S) Afficiation of the Afficiation	N
(Findings)	For a d.c. mains supply	100 NO	Ñ
© 4	b) Transients from a telecommunication network		N &



	EN 60950-1						
Clause Req	quirement – Test	Result – Remark	Verdict				
G.6 Dete	ermination of minimum clearances:	60 60	N				

H Allesta	ANNEX H, IONIZING RADIATION (see 4.3.	13)	1111	N. N.
0	IN The secondaries	The Manual of the Control of the Con	The Compliance	® And State of Children

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

K	ANNEX K, THERMAL CONTROLS (see 1.5.3 and	5.3.7)	N <sub>stestation</sub>
K.1	Making and breaking capacity	Manufacture Control of the Control o	N
K.2	Thermostat reliability; operating voltage (V):	100	N
K.3	Thermostat endurance test; operating voltage (V):	· 天意 测	Complete N
K.4	Temperature limiter endurance; operating voltage (V)	CO TO	N
K.5	Thermal cut-out reliability		N
K.6	Stability of operation	THE SCHOOL STATES	N na comp

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 i	N N
L.2	Adding machines and cash registers	The Common of the Control of the Con	N &
L.3	Erasers	® Manufacture Communication of the Communication of	N
L.4	Pencil sharpeners		N
L.5	Duplicators and copy machines		N
L.6	Motor-operated files	TE TO THE SECOND SECOND	tation of N
L.7	Other business equipment	dedute @ # difference	P

M	ANNEX M, CRITERIA FOR TELEPHONE RINGING SIGNALS (see 2.3.1)		
M.1	Introduction	The Company of the Company	Namestation
M.2	Method A	© Management (Company)	N
M.3	Method B	0 00	N
M.3.1	Ringing signal		N
M.3.1.1	Frequency (Hz)		
M.3.1.2	Voltage (V)	Same of the same o	
M.3.1.3	Cadence; time (s), voltage (V)	100	
M.3.1.4	Single fault current (mA)		



	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
M.3.2	Tripping device and monitoring voltage:	60 60	N
M.3.2.1	Conditions for use of a tripping device or a monitoring voltage		N W
M.3.2.2	Tripping device	报 · 报 · 报 · 图	N N
M.3.2.3	Monitoring voltage (V):	State Comments of the Comments	N

N	ANNEX N, IMPULSE TEST GENERATORS (se clause G.5)	ee 2.10.3.4, 6.2.2.1, 7.3.2 and	N F
N.1	ITU-T impulse test generators	S. F. double Com	N
N.2	IEC 60065 impulse test generator	C. Marie C.C.	N

P	ANNEX P, NORMATIVE REFERENCES	AST MAN	The Manual P
			- 71 N

	The part of the pa	The state of the s	
Q	ANNEX Q, Voltage dependent resistors (VDRS)	(see 1.5.9.1)	N
Complian.	-Preferred climatic categories:		N
a.C	-Maximum continuous voltage	The Target of the Company of the Com	N <sub>obal</sub> Compl
0	-Combination pulse current:	K. Kondines © Manufactured Color	Attestation N
环境	Body of the VDR Test according to IEC60695-11-5		N
attestation of S	Body of the VDR. Flammability class of material ( min V-1):	TE TO THE TEN	omphano 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)	报	⊗ ∰ John de Commen	
R.2	Reduced clearances (see 2.10.3)	of Clobal Co.	N C	

S	ANNEX S, PROCEDURE FOR IMPULSE TESTING (see 6.2.2.3)				- All	N
S.1	Test equipment	litte	1000	Impliance III	obal Compliano	N
S.2	Test procedure	The Management	® The station of Globa	(B) Attestation of S	<b>(</b> 3)	N
S.3	Examples of waveforms during	impulse testing	0	Co		N

T	ANNEX T, GUIDA	NCE ON PROTECT	ION AGAINST I	NGRESS OF WA	TER	oal Comir	
	(see 1.1.2)	Kit milance	KI MEnnilance	® Frailion of Glob	(B) Attestation 0'		

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	EN 60950-1		
Clause	Requirement – Test	esult – Remark	Verdict
O All	ANNEX U, INSULATED WINDING WIRES FOR USE INSULATION (see 2.10.5.4)	WITHOUT INTERLEA	VED N
® <b>5</b>	The state of the s		( 恒
v O	ANNEX V, AC POWER DISTRIBUTION SYSTEMS (	see 1.6.1)	® A Thoras N
V.1	Introduction	(a) All country of Clobat C	C <sup>⋈</sup> N
V.2	TN power distribution systems	2C 100	N
Hestations			1111
N	ANNEX W, SUMMATION OF TOUCH CURRENTS	The Manager	The Completion ON
W.1	Touch current from electronic circuits	Extraction of Clobs	N N
N.1.2	Earthed circuits	Mar.	N
N.2	Interconnection of several equipments	:70	N
N.2.1	Isolation	The Complaints	N N
N.2.2	Common return, isolated from earth	® Marketon of Good	Artestation N
N.2.3	Common return, connected to protective earth	GO (G)	N
X.1	ANNEX X, MAXIMUM HEATING EFFECT IN TRANS C.1)  Determination of maximum input current	A PROPERTY OF THE PARTY OF THE	N N
<.1 <.2	Application of the state of the		N
Station of Glov	Overload test procedure	-1111	No.
1	ANNEX Y, ULTRAVIOLET LIGHT CONDITIONING	FST (see 4.3.13.3)	® ## Find Clark N
7.1	Test apparatus	1201 (300 4.0.10.0)	N
۲.2 مر	Mounting of test samples		N
۲.3	Carbon-arc light-exposure apparatus:		N
Y.4	Xenon-arc light exposure apparatus:	The state of the s	N
	The state of the s	(c) Con Cook	60
Z ompliance	ANNEX Z, OVERVOLTAGE CATEGORIES(see2.10	.3.2 and Clause G.2)	N
	0 00 00	:iii)	
AA	ANNEX AA, MANDREL TEST (see 2.10.5.8)	The Compliance	N N
	The state of the s	Attestation of the Attestation o	10
3B	ANNEX BB, CHANGES IN THE SECOND EDITION	707	
Attestation of C	60 CO	#31	The Manufacture
CC	ANNEX CC, Evaluation of integrated circuit (IC) ci	rcuit limiters	® A
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The same of the sa	300

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General 🧌

Test program 1......

CC.1

CC.2

Ν

Ν



	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
CC.3	Test program 2	60 60	N		
CC.4	Test program 3		N		
CC.5	Compliance		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:		- TIM	N
DD.3	Mechanical strength test, 250N, including end stops:	S A Thompson Completion	The state of clobal comb	N
DD.4	Compliance:			N

EE	ANNEX EE, Household and home/office documents	/media shredders	Ν
EE.1	General	© Miller and Company of the Company	N
EE.2	Marking and instructions		N
8	Use of markings or symbols:		N
CC	Information of user instructions, maintenance and/or servicing instructions:	The state of the s	N
EE.3	Compliance:	- GO - CO	N
EE.4	Disconnection of power to hazardous moving parts:		N
	Use of markings or symbols:	The Management of the State of Column	N
EE.5	Protection against hazardous moving parts	Marine CO P	N
@ <b>#</b>	Test with test finger (figure 2A):		Ν
- C N	Test with wedge probe (figure EE1 and EE2):	, inter-	N

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Clause	Requirem	nent – Test			Res	ult – Remark	Verdict
	•		1·2010/A12·2	2011/A2·2013 – (		MMON MODIFICAT	
(S) 15%	Clauses,	(S) Aller	tes, tables an	d figures which a			
Contents (A2:2013)	Annex ZE	(normative)	Normative refe corresponding Special nation	erences to interna European public nal conditions ELEC code desig	cations		P. P. C
General		the —countryly 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	C M
	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	河
	2.3.2.1	Note 2	2.3.4	Note 2	2.6.3.3	Note 2 & 3	Compile
	2.7.1	Note	2.10.3.2	Note 2	2.10.5.13	Note 3	
	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	不快
	4.7.3.1	Note 2	5.1.7.1	Note 3 & 4	5.3.7	Note 1	Halion of Global Co
	6	Note 2 & 5	6.1.2.1	Note 2	6.1.2.2	Note	Allest
	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	- July
	G.2.1	Note 2	Annex H	Note 2	The Management	e F Madad	C G
General A1:2010)		g to the followin lote	g list:	ference documer .1 Note 2 Note	nt (IEC 60950-	1:2005/A1:2010)	GCP **
General A2:2013)	according 2.7.1 Not 6.2.2. No	g to the followin e * 2.10.3.1 No te	g list: te 2	ference documer  Modification rema		1:2005/A2:2013) d.	The state of the s
.1.1 A1:2010)	Replace 1	the text of NOT he requirements	E 3 by the foll of EN 60065 m		meet safety red	quirements for	-C

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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	CO :	S N
	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.	A CO	E E E E E E E E E E E E E E E E E E E
	NOTE Z1 A new method of measurement is described in EN 50332-1, Sound system equipment: Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations - Part 1: General method for "one package equipment", and in EN 50332-2, Sound system equipment: Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations - Part 2: Guidelines to associate sets with headphones coming from different manufacturers.	CO Manufacture of the state of	
(A12:2011)	In EN 60950-1:2006/A12:2011	~GC	
Compile (S) Alle	Delete the addition of 1.3.Z1 / EN 60950-1:2006  Delete the definition 1.2.3.Z1 / EN 60950-1:2006 /A1:2010	IK Wantana	N
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 *	CALAGO	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.	-C	N
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.	Tr. Marine	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.	THE TAX AND THE TA	N
	<ul> <li>A personal music player is a portable equipment for personal use, that:</li> <li>is designed to allow the user to listen to recorded or broadcast sound or video; and</li> <li>primarily uses headphones or earphones that can be worn in</li> </ul>	The state of the s	
	or on or around the ears; - allows the user to walk around while in use.	NG C	



	EN 60950-1					
Clause	Requirement – Test	Result – Remark	Verdict			
had Communice	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.	P.C.C.	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.	A.F. J. Market Market C.C.	Aute attorner Comment			
	The requirements in this sub-clause are valid for music or video mode only.	, Autor				
	<ul> <li>The requirements do not apply:</li> <li>while the personal music player is connected to an external amplifier; or</li> <li>while the headphones or earphones are not used.</li> <li>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.</li> </ul>					
	The requirements do not apply to:     hearing aid equipment and professionalequipment;     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 digitalprocessing 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.	O File Conditions (S. S. S				
GC TO THE TOTAL TO	<ul> <li>Zx.2 Equipment requirements</li> <li>No safety provision is required for equipment that complies with the following: <ul> <li>equipment provided as a package (personal music player with its listening device), wherethe acoustic output LAeq,T is ≤ 85 dBA measured while playing the fixed"programme simulation noise" as described in EN 50332-1; and</li> <li>a personal music player provided with an analogue electrica 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.</li> </ul> </li> <li>NOTE 1 Wherever the term acoustic output is used in this clause the 30 s A-weighted equivalent sound pressure level LAeq,T is</li> </ul>					

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EN 60950-1					
Clause	Requirement – Test	Result – Remark	Verdict		
Compliance	All other equipment shall:  a) protect the user from unintentional acoustic outputs exceeding those mentionedabove; and	P.C.	N		
	b) have a standard acoustic output level not exceeding those mentioned above, and automatically return to an output level not exceeding those mentioned above when the power is	To the state of th	Alle John of Global Compliant		
	switched off; and c) provide a means to actively inform the user of theincreased sound pressure when the equipment is operated with an acoustic output exceeding those mentioned above. Any	NGC	)C		
	means used shall be acknowledged by the user before activating a mode of operation which allows for an acoustic output exceeding those mentioned above. The	Marine San San Company	66		
	acknowledgement does not need to be repeated more than once every 20 h of cumulative listening time; and NOTE 2 Examples of means include visual or audible signals.	GC I	1111		
	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 has been switched off.		Sanda Sanda		
	<ul><li>d) have a warning as specified in Zx.3; and</li><li>e) not exceed the following:</li><li>1) equipment provided as a package (player with Its</li></ul>	The little was	The total com		
	listening device), the acoustic output shall be ≤ 100 dBA measured while playing the fixed "programme simulation noise" described in EN 50332-1; and 2) a personal music player provided with an analogue		33 Americano		
	electrical output socket for a listening device, the electrical output shall be ≤ 150 mV measured as described in EN 50332 2, while playing the fixed "programme simulation noise" described in EN 50332-1.	- III	All Conductors (S)		
	For music where the average sound pressure (long term LAeq,T) measured over the duration of the song is lower than	PCC	CO		
	the average produced by the programme simulation noise, the warning does not need to be given as long as the average sound pressure of the song is below the basic limit of 85 dBA. In this case T becomes the duration of the song.	THE THE CO	Manton of Goods Comple		
	NOTE 4 Classical music typically has an average sound pressure (long term LAeq,T) which is much lower than the average programme simulation noise. Therefore, if the player is capable to analyse the song and compare it with the programme simulation				
	noise, the warning does not need to be given as long as the average sound pressure of the song is below the basic limit of 85 dBA.	To the state of th	GC Files		
	For example, if the player is set with the programme simulation noise to 85 dBA, but the average music level of the song is only 65 dBA, there is no need to give a warning or ask an acknowledgement as long as the average sound level of the song is not above the basic limit of 85 dBA.	P F The Committee of th	The Tombures		

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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:	A The state of the	S N		
	"To prevent possible hearing damage, do not listen at high volume levels for long periods."				
CC F	Figure 1 – Warning label (IEC 60417-6044)  Alternatively, the entire warning may be given through the equipment display during use, when the user is asked to acknowledge activation of the higher level.	GC TO D	II. Jamines		
	Zx.4 Requirements for listening devices (headphones and	earphones)	N		
GC THE	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.  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).		N A THE STATE OF T		
	NOTE The values of 94 dBA – 75 mV correspond with 85dBA – 27 mV and 100 dBA – 150 mV.	2 M	obel Complance		
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.	NGC France	GON SOM		
	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.).	A Second Page	) N		
	NOTE An example of a wired listening device with digital input is a USB headphone.	ampliance State Company			

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
	<ul> <li>Zx.4.3 Wireless listening devices In wireless mode: <ul> <li>with any playing and transmitting device playingthe fixed programme simulation noisedescribedin EN 50332-1; and</li> <li>respecting the wireless transmission standards, where an air interface standard exists that specifies the equivalent acoustic level; and</li> <li>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 combinationof 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.</li> </ul> </li> </ul>	AGC AMERICAN AGC AND AGE AND A	
(S) (\$\frac{\pi}{2}\)	NOTE An example of a wireless listening device is a Bluetooth headphone.		- <u>1</u> 111
	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
Compile	NOTE Test method for wireless equipment provided without listening device should be defined.	拉测	玩物
2.7.1	Replace the subclause as follows: 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): a) except as detailed in b) and c), protective devices necessary to comply with the requirements of 5.3 shall be	C Marine School	N GG
	included as parts of the equipment;  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) 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.  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 state of the	N S
2.7.2	This subclause has been declared 'void'.	estation Artes	N
3.2.3	Delete the NOTE in Table 3A, and delete also in this table the conduit sizes in parentheses.	:10	N



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 .	SO ME THE STATE OF		
	In Table 3B, replace the first four lines by the following:	THE THE	The Compliant		
	Up to and including 6   0,75 a)	The Compliant @	ation of G		
	Over 6 up to and including 10  (0,75) b) 1,0	A CO	N		
	Over 10 up to and including 16  (1,0) ° 1,5	Atto			
	In the conditions applicable to Table 3B delete the words "in some countries" in condition <sup>a)</sup> .	10			
	In NOTE 1, applicable to Table 3B, delete the second sentence.	All plantes San Fig. 12 Control Company	C Allestation		
3.2.5.1 (A2:2013)	NOTE Z1 The harmonised code designationscorresponding to the IEC cord types are given in Annex ZD	GO *	N		
3.3.4	In Table 3D, delete the fourth line: conductor sizes for 10 to 13 A, and replace with the following:	TO THE THE PARTY OF THE PARTY O	i Seminare		
	Over 10 up to and including 16   1,5 to 2,5   1,5 to 4	For Global Co. (S. Francisco)	N C		
lim	Delete the fifth line: conductor sizes for 13 to 16 A	ates allow			
4.3.13.6	Replace the existing NOTE by the following:				
(A1:2010)	NOTE Z1 Attention is drawn to:		1000		
	1999/519/EC: Council Recommendation on the limitation of exposure of the general public to electromagnetic fields 0 Hz to 300 GHz, and	Co Martin de Company	illegation of Global Confe		
	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).		***		
	Standards taking into account mentioned Recommendation and Directive which demonstrate compliance with the applicable EU Directive are indicated in the OJEC.	Employed State of Sta	N Marie		
Annex H	Replace the last paragraph of this annex by:		:111		
	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	September of Colombian N		
	Replace the notes as follows:	attestation of the state of the			
	NOTE These values appear in Directive 96/29/Euratom.				
3lopal Co.	Delete NOTE 2.				
Bibliography	Additional EN standards.	是 神	® <del></del>		

ZA	NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR	
T Good Co	CORRESPONDING EUROPEAN PUBLICATIONS	_

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EN 60950-1					
Clause	Requirement – Test	Result – Remark	Verdict		
松顶	ZB ANNEX (normative)SPECIAL NATIONAL COND	OITIONS (EN)	G		
1.2.4.1	In <b>Denmark</b> , 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 ill		
1.2.13.14	In <b>Norway</b> and <b>Sweden</b> , for requirements see 1.7.2.1 and 7.3 of this annex.	The state of cooler const	N		
1.5.7.1	In <b>Finland, Norway</b> and <b>Sweden</b> , 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.	A SECTION OF THE PARTY OF THE P	N C		
1.5.8	In <b>Norway</b> , 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 D	N		
1.5.9.4	In <b>Finland</b> , <b>Norway</b> and <b>Sweden</b> , the third dashed sentence is applicable only to equipment as defined in 6.1.2.2 of this annex.		N N		
1.7.2.1	In Finland, Norway and Sweden, CLASS I PLUGGABLE EQUIPMENT TYPE A intended for connection to other equipment or a network shall, if safety relies on connection to protective earth or if surge suppressors are connected between the network terminals and accessible parts, have a marking stating that the equipment must be connected to an earthed mains socket-outlet.  The marking text in the applicable countries shall be as follows:  In Finland: "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan"  In Norway: "Apparatet må tilkoples jordet stikkontakt"		N N N N N N N N N N N N N N		
1.7.2.1 (A11:2009)	In Sweden: "Apparaten skall anslutas till jordat uttag" In Norway and Sweden, the screen of the cable distribution system is normally not earthed at the entrance of the building and there is normally no equipotential bonding system within the building. Therefore the protective earthing of the building installation need to be isolated from the screen of a cable distribution system.  It is however accepted to provide the insulation external to the equipment by an adapter or an interconnection cable with galvanic isolator, which may be provided by e.g. a retailer.  The user manual shall then have the following or similar information in Norwegian and Swedish language respectively, depending on in what country the equipment is intended to be				

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
料到	ZB ANNEX (normative)SPECIAL NATIONAL COND	DITIONS (EN)	
	"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)."	No.	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		AG C
	isolator mellom utstyret og kabel- TV nettet."  Translation to Swedish:  "Utrustning som är kopplad till skyddsjord via jordat vägguttag	S Manufacture of Computation	3) A The salion of Contraction
T. Parker of Colons Com	och/eller via annanutrustning och samtidigt är kopplad till kabel-TV nät kan i vissa fall medföra risk förbrand. För att undvika detta skall vid anslutning av utrustningen till kabel-TV nätalvanisk isolator finnas mellan utrustningen och kabel-TV nätet."		A THE STATE OF THE
1.7.2.1 (A2:2013)	In <b>Denmark</b> , 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.	NGC imm	Manufaction of the state of the
obal Compliance	The marking text in <b>Denmark</b> shall be as follows: In <b>Denmark</b> : "Apparatets stikprop skal tilsluttes en stikkontakt med jord, som giver forbindelse til stikproppens jord."		
1.7.5	In <b>Denmark</b> , 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 <b>CLASS II EQUIPMENT</b> the socket outlet shall be in	GG Market Market Comments	SC N.

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
松 河川	ZB ANNEX (normative)SPECIAL NATIONAL CONI	DITIONS (EN)	CO
1.7.5 (A2:2013)	In <b>Denmark</b> , 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	The state of the s	
2.2.4	In <b>Norway</b> , for requirements see 1.7.2.1, 6.1.2.1 and 6.1.2.2 of this annex.	Ford Colonia Company	Grobes Company N
2.3.2	In <b>Finland</b> , <b>Norway</b> and <b>Sweden</b> 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 <b>Norway</b> , for requirements see 1.7.2.1, 6.1.2.1 and 6.1.2.2 of this annex.	® # John of Global Commission	O F. M
2.6.3.3	In the <b>United Kingdom</b> , the current rating of the circuit shall be taken as 13 A, not 16 A.	C CC	N
2.7.1	In the <b>United Kingdom</b> , 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.		N EGC
2.10.5.13	In <b>Finland</b> , <b>Norway</b> and <b>Sweden</b> , there are additional requirements for the insulation, see 6.1.2.1 and 6.1.2.2 of this annex.	T. J. Market	N N

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	EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
极测。	ZB ANNEX (normative)SPECIAL NATIONAL COND	DITIONS (EN)	10°		
3.2.1.1 GG	In <b>Switzerland</b> , 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 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				
3.2.1.1	In <b>Denmark</b> , 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 A A A A A A A A A A A A A A A A A A		
3.2.1.1 GC	In <b>Spain</b> , 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.	GC Manage of the state of the s	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
KEL JAM	ZB ANNEX (normative)SPECIAL NATIONAL COND	DITIONS (EN)	CO
3.2.1.1	In the <b>United Kingdom</b> , 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.	A Second of the	N mil
	NOTE 'Standard plug' is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	III	® Allestation
3.2.1.1	In <b>Ireland</b> , 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 N
3.2.4	In <b>Switzerland</b> , for requirements see 3.2.1.1 of this annex.		N
3.2.5.1	In the <b>United Kingdom</b> , 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 SE To de Carbon Company	N The second
3.3.4	In the <b>United Kingdom</b> , 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
Altestation	• 1,25 mm² to 1,5 mm² nominal cross-sectional area.	70	A Just
4.3.6	In the <b>United Kingdom</b> , 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 <b>Ireland</b> , 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 S

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
松顶	ZB ANNEX (normative)SPECIAL NATIONAL CONI	DITIONS (EN)	CO
5.1.7.1	In <b>Finland</b> , <b>Norway</b> and <b>Sweden</b> TOUCH CURRENT measurement results exceeding 3,5 mA r.m.s. are permitted only for the following equipment:		N III
	<ul> <li>STATIONARY PLUGGABLE EQUIPMENT TYPE A that</li> </ul>	FI Subal Compile	Atte lation of
	is intended to be used in a RESTRICTED ACCESS LOCATION where equipotential bonding has been applied, for example, in a telecommunication centre; and	AGO	C
	has provision for a permanently connected PROTECTIVE EARTHING CONDUCTOR; and is provided with instructions for the installation of that conductor by a SERVICE PERSON;		GC ***
	STATIONARY PLUGGABLE EQUIPMENT TYPE B;	9	
	STATIONARY PERMANENTLY CONNECTEDEQUIPMENT.		
6.1.2.1 (A1:2010)	In <b>Finland</b> , <b>Norway</b> and <b>Sweden</b> , add the following text between the first and second paragraph of the compliance clause:	The Manual Complaints (S. Manual Complaints)	N N
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	F.G.	
	-two layers of thin sheet material, each of which shall pass the electric strength test below, or	The total Complaine	3 Franco of Clobal Com
	-one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	C Marine	inest in the state of the state
	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		

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	EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict
KET TIONES	ZB ANNEX (normative)SPECIAL NATIONAL COND	ITIONS (EN)	CO
	-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.	E TO STANDARD CO	N The
	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.	那	® ##
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:	® Allestulion of God.	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. Married O. M. F. of	K B AM
	-the additional testing shall be performed on all the test specimens as described in EN 60384-14:	GC man	P.G.
	-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.	T. to all	The state of the s
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	C TO DO	N N
	permanently connected PROTECTIVE EARTHING CONDUCTOR and is provided with instructions for the installation of that conductor by a SERVICE PERSON.	C Martingrado	GG *
7.2	In <b>Finland</b> , <b>Norway</b> and <b>Sweden</b> , for requirements see 6.1.2.1 and 6.1.2.2 of this annex.	1 m	N. T
	The term TELECOMMUNICATION NETWORK in 6.1.2 being replaced by the term CABLE DISTRIBUTION SYSTEM.	F To delate Company	All station of Co.
7.3	In <b>Norway</b> and <b>Sweden</b> , for requirements see 1.2.13.14 and 1.7.2.1 of this annex.	A Company of the Comp	N
7.3	In <b>Norway</b> , for installation conditions see EN 60728-11:2005.	Mr. In	N

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1.5.1	TABLE: list of critical compone	nts	J Thomas Com	one It is	P F
Object/part no	. Manufacturer/ trademark	Type/model	Technical data	Standard	Mark(s) of conformity
PCB	Interchangeable	Interchangeable	V-0, 130°C	UL 94, UL 796	UL
Coil	Interchangeable	Interchangeable	Min. 105°C, 10turns	EN 60950-1	Test with appliance
Plastic enclosure	SABIC INNOVATIVE PLASTICS US L L C	HMG94MDC	HB, min. 1.5mm thick, 60°C	UL94	UL E121562
Note(s):	© # Food and Color	10°	100		7

1.6.2	TABLE: e	lectrical data (	in normal cor	nditions)	(R) AF 15 OI COOT	O P
U (V)	I (A)	Irated (A)	P (W)	Fuse #	Ifuse (A)	Condition/status
5	1.23	2.0	6.15			5W load
9	1.41	1.67	12.69		lill:	10W load
Note(s):	3		The Compliance	果 沃 to	mpliance ®	

2.1.1.5c)1) TABLE: m	nax. V, A, VA test		100	N Samplence
Voltage (rated) (V)	Current (rated) (A)	Voltage (max.) (V)	Current (max.) (A)	VA (max.) (VA)
	报	Chord Coupe	2C 1111	0 - 3
The Canada	o (Global Conn	2O-		
Note(s):	10	,11		The American

2.1.1.5c)2)	TABLE: stored energy	d Compliance @	station of Glove (8) Attestation on	- 60	N
Capacitance	e C (µF)	Volta	age U (V)		Energy E (J)
CO "	<u> </u>		:7/10/		- The Compile
Note(s):		授 测	The Manual Completion	The Chapal Company	Alle station

2.2	TABLE: evalua	tion of volt	age limiting com	ponents in SELV circuits N			N
Component (measured between)		max. voltage (V	) (normal operation)	Voltage Limiting			
		Vpeak	Vd.c.		omponents		
私	A Compliance	- Flood Com.	(C) The state of Global	C A AMES	- CO		
Fault test p	performed on volta	age limiting	components	Voltage measur	ed (V) in SELV circuits	s (V pe	eak or V d.c.)
			:1111	W. All	The Campbarr	手。	dopal Comp.
Note(s):	lin:		The Compliance	The Chopal Complian	Attestation o'	Hestalle	10

	M 100		A A	
	G000 _ (8) 4	TABLE P. S. T.	-11771	N 431 200
00,	2.5	TABLE: limited power source measurement	KEL nilance	N Compile



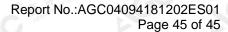
Measured Uoc (V) with all load circuits			Isc	(A)	VA		
disconnecte	ed:		Meas.	Limit	Meas.	Limit	
* HEL Mance	7M	® # Globa	Marian of Global	60.	30 ···	GO.	
Global Com	Floor Global Conn	-,C	Atte			- 71	
Note(s): S-0	C: short circuit.		liji:	Till .		I I Compile	

2.10.2 TABLE: Working	ng voltage measurement	and the state of t	100	N	
Location	RMS voltage (V)	Peak voltage (V)	Comments		
1 GO.		KE 111000	K Compliance -	··· (8) \$\frac{4}{2} \langle \frac{1}{2} \lang	
Note(s):	五型 发现	© A State Comment	Atton of Globa	G AME	

2.10.3 and 2.10.4	TABLE: clearance	TABLE: clearance and creepage distance measurements							
Clearance c	l and creepage at/of:	U p (V)	U r.m.s. (V)	Required cl (mm)	cl (mm)	Required dcr (mm)	dcr (mm)		
HE MILITARIE	The Compliance	(C) The state of t	® Atte Station of Co.	-60					
Note(s):	Estation of Cloth		30			11 July 1910	The sample rose		

2.10.5	TABLE: distance through insulatio	n measurements	A Clopal Co.	ALLO STATE OF THE PARTY OF THE	N
Distance th	rough insulation di at/of:	U r.m.s. (V)	Test voltage (V)	Required di (mm)	di (mm)
Note(s):		F Global Compa	® # Jonal Global C	Allestation of Allest	Allesta.

4.3.8	TABLE: Batte	eries	10°		G				N.
The tests of 4 not available	.3.8 are appli	cable only v	vhen approp	riate batter	ydata is		The tomphanes	© ###	Janon of N
Is it possible t	o install the b	attery in a r	everse pola	rity position	?	® Allestation of		30	N
Clopal Compilar	Non-red	chargeable I	batteries		F	Rechargeab	le batteries	3	
	Disch	Discharging		Charging		Discha	arging	Reverse	e Charging
	Meas.cur rent	Manuf.Sp ecs.	tionalchar ging	Meas.cur rent	Manuf.Sp ecs.	Meas.cur rent	Manuf.S pecs.	Meas.c urrent	Manuf.Sp ecs.
Max.currentd ringnormalco dition		Allestonon of Global	3C-		30_	No	THE THE STATE OF T		
Max.currentd ringfaultcondi on		 © 45	on of Global Samplance	© ## JAN ON	A Companie	© #	CC	Allestation of Global	P.C.C
Test results:	station of Globa	CO M	< G				3473	All I	Verdict





- Chemical leaks	Co			The Compliance	The Wall	~
- Explosion of the battery	T. K. Complance	K Compliance	<u> </u>	(S) Allion of Gintle	estation of Glov	- Attestation
- Emission of flame or expulsion	of molten metal	estation of Glove	0 -	100	10	<b></b>
- Electric strength tests of equipr	nent after completion	n of tests		-call		The Hall
Note(s):		The state of the s	Follance Mill	El Compliance	® ##	on of Global

4.3.8 TABLE: Batteries	C The N
Battery category	
Manufacturer	The state of the s
Type/model	The second secon
Voltage, Capacity	GO
Circuit protection diagram	
N/A	CC
MARKINGS AND INSTRUCTIONS (1.7.13)	
Location of replaceable battery	
Language(s)	The state of the s
Close to the battery	The formation of the state o
In the servicing instructions	9
In the operating instructions	
Note(s):	THE TAX THE TAX TO TAX

		21111		301/2 (Co),	1000		200 1200	Alles
4.5	TABLE: maximum t	emperatures	S ®					P
· (8)	Test voltage (V)	of Glob	.Ca: **	a):DC 5V;	b) DC 9V			
	n tananaratura Tafrart/	-4.		T (°C)				allowed
maximun	naximum temperature T of part/at:			a)		b)		Tmax (°C)
PCB nea	PCB near U3			84	.4	utestation o	90.6	130
PCB nda	PCB ndar Q11			75.8		80.7		130
Coil	Co.			61.6		63.2		105
Enclosur	e inside near coil	litte:	30	62	2.8	8 49	64.6	Ref.
Enclousr	e outside near coil	K Kinpilance	要 事 if Global	65	i.2 ·····		67.7	95
Ambient	Ciopal Cong.	- Ci	Attestation	40	0.0		10.0	(III):
Temp	perature T of winding	t <sub>1</sub> (°C)	R <sub>1</sub> (Ω)	t <sub>2</sub> (°C)	$R_2(\Omega)$	T (°C)	Allowed T <sub>max</sub> (°C)	Insulation Class
	==	TO TO	Milance	EV- Compliano	_® %	lation of C	A Liestation	



4.5.5	TABLE: ball pressure	test of thermoplastic parts	The decided Company	N S
TIII)	allowed impression di	ameter (mm):	- C	Allestation
Part			Test temperature(°C)	Impression diameter (mm)
C Attes			- E	The debate Committee
Note(s):	liti: liti:	The Sound Committee	A Compliant	A AMERICAN

4.7	TABLE: Resis	stance to fire				Р
F	Part	Manufacturer of material	Type of material	Thickness (mm)	Flammability class	Evidence
	Kampiance	AST - AMILE	K Compliance @ 4	Addition of Globs - (G	Attestation of	GU.

5.1	TABLE: touch current measurement	All Services	F Klada Complian	N C
Measured b	petween:	Measured(mA)	Limit(mA)	Comments/conditions
Compliance	The state of the s	Allestation C		III
Note(s):	100		AT III	拉 The Tomplane

5.2	TABLE: electr	ic strength tests a	nd impulse tests	GO AM	100	N
Test volt	age applied betwee	Test voltage (V)	Brea	kdown		
Attestation	CO M	-	ini	- 111	· ·	St. Jianos
Note(s):		- III	The Manual Compliance	THE STANFACTOR	® Milestation of Glove	(B) Allestation

5.3	TA	BLE: fault condition	tests		P. M.		
GO	am	bient temperature (	°C)	22.3-23.6	F of other		
	rate	ed markings of powe	er supply	® A Thorotomacon	mestam		
Component no.		Fault	Test voltage (V)	Test time	Fuse no.	Result	
C11		S-C	9V	10min		Unit shutdown immediately, recoverable, no damage and hazards.	
Output		O-L	9V	2h49min	C Allestation of	Max load at 13 W, over 13W output shut dwon, recoverable, no damage, no hazards.	
U4 pin1-4		S-C	9V	10min		Unit shutdown immediately, recoverable, no damage and hazards.	
Q6 pin6-7		S-C	9V	10min	Compliance	Unit shutdown immediately, recoverable, no damage and hazards.	
R1		S-C	9V	10min	-6C	Normal operation, no damage and hazards.	



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Q11 pin6-7	s-c	9V	10min		Unit shutdown imm recoverable, no dar	
Fault: S-C = shor	t circuit, O-L = over	circuit				attestation of the state of the
Note:	Emplores ©	Estation of Gall	Mestalion of Glob	70		NO

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AttachmentA Photos of product



Fig.1-Over view



Fig.2-Over view

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Fig.3-Over view



Fig.4 -Terminal view

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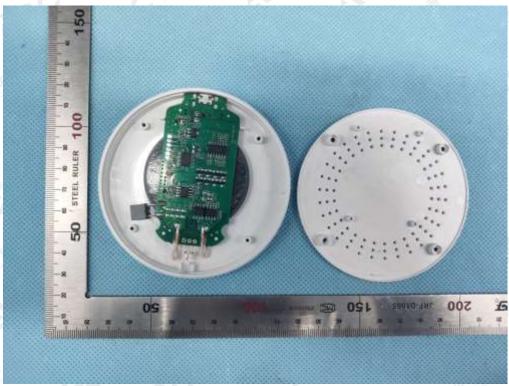


Fig.5-Internal view

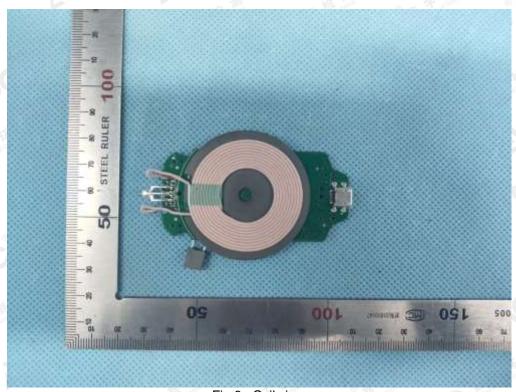


Fig.6 -Coil view

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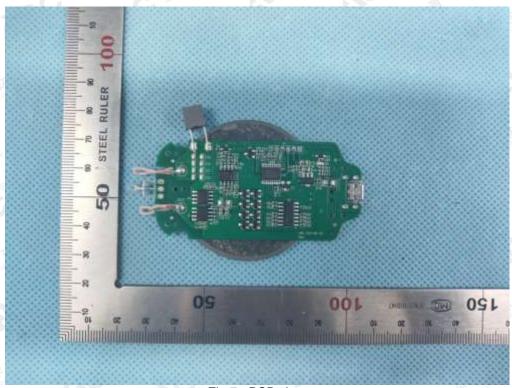


Fig.7 -PCB view

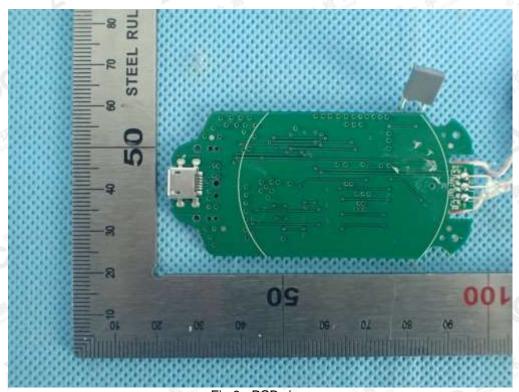


Fig.8 -PCB view

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

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