

Shenzhen Toby Technology Co., Ltd.

Report No.: TB-LVD161072 Page: 1 of 69

LVD TEST Report

Certificate No. : TB180719447

Applicant :

Equipment Under Test (EUT)

EUT Name : Wireless charger Bluetooth speaker

Model No. : SL193

Series Model No. : SL207, SL208, SL209, 2995, P328.091, 128060, 128061,

128062, 128063, LT95092

Brand Name : --

Issue Date : July 20, 2018

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

Information technology equipment – Safety –Part 1: General

requirements

Conclusions : Complied

This report shows that the product technically complies with the requirements of

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

Report by (Tiger chen)

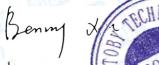
(Tiger chell)

Checked by (Benny Xu)

Approved by

(Justin Zhang)

tiger. chen.





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Revision History

Report No.	Version	Description	Issued Date
TB-LVD161072	Rev.01	Initial issue of report	July 20, 2018
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TOTAL GOING	TO THE TOTAL	TODAY TO THE TOTAL OF THE PARTY	
	13 Em 11 1	CONTRACTOR OF	COLUMN TO STATE OF
			3 5000



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TEST REPORT

EN 60950-1: 2006+A11: 2009+A1: 2010+A12: 2011+A2:2013 Information technology equipment – Safety –

Part 1: General requirements

Report NumberTB-LVD161072Date of issueJuly 20, 2018Total number of pages69 pages

Testing Laboratory...... Shenzhen Toby Technology Co., Ltd.

Address : 1A/F.,Bldg.6, Yusheng Industrial Zone,The National Road

No.107 Xixiang Section 467, Xixiang, Bao'an Shenzhen,

Guangdong, China

Applicant's name.....

Address....:

Manufacturer's name.....

Address....:

Test specification:

Test procedure TEST REPORT

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

Test Report Form No. TB-RF-076-3.0

Test Report Form(s) Originator: TOBY

Master TRF Dated 2014-08

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Test item description: Wireless charger Bluetooth speaker

Trade Mark..... --

Manufacturer.....:

Model/Type reference SL193

Ratings...... Input: 5V==, 1.5A, output: 5V==, 0.8A

Copy of marking plate

Wireless charger Bluetooth speaker

Model No.: SL193 Input: 5V===, 1.5A, output: 5V===, 0.8A



Importer name: XXXX Importer address: XXXX

Remark: the marking for other models is same as above except model name.

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Test item particulars	THE REAL PROPERTY OF THE PARTY
Equipment mobility:	[] stationary [] for building-in [] direct plug-in
Connection to the mains:	[] pluggable equipment [] type A [] type B [] permanent connection [] detachable power supply cord [] non-detachable power supply cord [x] not directly connected to the mains
Operating condition:	[x] continuous [] rated operating / resting time:
Access location:	[x] operator accessible [] restricted access location
Over voltage category (OVC):	[] OVC I [x] OVC II [] OVC III [] OVC IV [] other:
Mains supply tolerance (%) or absolute mains supply values:	No direct connection with mains
Tested for IT power systems:	[] Yes [x] No
IT testing, phase-phase voltage (V):	N/A
Class of equipment:	[] Class I [] Class II [x] Class III [] Not classified
Considered current rating of protective device as part of the building installation (A)	
Pollution degree (PD):	[] PD 1 [x] PD 2 [] PD 3
IP protection class:	
Altitude during operation (m):	< 2000 m
Altitude of test laboratory (m):	Shenzhen of China < 2000 m
Mass of equipment (kg):	0.1kg
Possible test case verdicts:	COLUMN TO THE PARTY OF THE PART
- test case does not apply to the test object:	N/A
- test object does meet the requirement:	P (Pass)
- test object does not meet the requirement:	F (Fail)
Testing:	The state of the s
Date of receipt of test item:	2018-07-10
Date(s) of performance of tests:	2018-07-10 To 2018-07-18
General remarks:	The state of the s
1." (see remark #) " refers to a remark appended	to the report.
2. Throughout this report a point is used as the dec	simal separator.
3. The test results presented in this report relate or	nly to the object tested.

4. This report shall not be reproduced except in full without the written approval of the Shenzhen TOBY.



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Summary of test	ing:	TO THE REAL PROPERTY.	TOTAL SECTION	TODAY TODAY
July and the second second	name of test and test		EC/EN 60950-1	
These tests fulfill	the requirements of s	tandard ISO/IEC	17025.	
When determining	g the test conclusion,	the Measurement	Uncertainty of te	est has been considered.
	approved LPS externated approved the contract of the contract	al power supply (r	ating: 5Vdc, 1.5A	max.) should be used
The cell of battery	package was certifie	ed by UL 1642 (se	e the component	list for detail information)
Heating test (4.5):	THE PARTY OF THE P			
Tma =50°C (Decla	red by manufacturer)			
K-type thermal co	uple used for tempera	ature measureme	nt.	
General product	information:	The state of the s	7	was a compared to
(0)	Bluetooth speaker, poried out on model SL1	•		t for the appearance, color
	peen tested according 013 and those deviation			11: 2009+A1: 2010 C common modifications.
⊠ CENELEC con	nmon modifications	United Kingdom		
Finland	☐ Denmark	☐ Ireland	D3 - 15 PM	mnB3
Sweden	Germany	☐ Spain		



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	IEC 60950-1		
Clause	Requirement + Test	Result - Remark	Verdic
1	GENERAL	DE TOUR DE LES	Р
	The state of the s	The state of the s	-0
1.5	Components	THE REAL PROPERTY.	Р
1.5.1	General		Р
	Comply with IEC 60950-1 or relevant component standard	Components comply with the requirements of this standard or relevant IEC/EN component standard. see appended table 1.5.1	P
1.5.2	Evaluation and testing of components	Certified components are used in accordance with their ratings, certifications and they comply with applicable parts of this standard. Components not certified are used in accordance with their ratings and they comply with applicable parts of IEC 60950-1 and the relevant component standard. Components, for which no relevant IEC-standard exists, have been tested under the conditions occurring in the equipment, using applicable parts of IEC 60950-1.	中国国际国国国
1.5.3	Thermal controls		N
1.5.4	Transformers		N
1.5.5	Interconnecting cables		Р
1.5.6	Capacitors bridging insulation		N
1.5.7	Resistors bridging insulation	TODA TO TOTAL	N
1.5.7.1	Resistors bridging functional, basic or supplementary insulation		N
1.5.7.2	Resistors bridging double or reinforced insulation between a.c. mains and other circuits	THE TOTAL STATE OF	N
1.5.7.3	Resistors bridging double or reinforced insulation between a.c. mains and antenna or coaxial cable		N
1.5.8	Components in equipment for IT power systems	a Comment of the	N
1.5.9	Surge suppressors	No VDR used	N
1.5.9.1	General	The state of the s	N
1.5.9.2	Protection of VDRs		N

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	IEC 60950-1		
Clause	Requirement + Test	Result - Remark	Verdic
1.5.9.3	Bridging of functional insulation by a VDR		N
1.5.9.4	Bridging of basic insulation by a VDR	The same of the sa	N
1.5.9.5	Bridging of supplementary, double or reinforced insulation by a VDR		N
1.6	Power interface	THE REAL PROPERTY OF THE PARTY	Р
1.6.1	AC power distribution systems		N
1.6.2	Input current	See appended table 1.6.2	Р
1.6.3	Voltage limit of hand-held equipment		P
1.6.4	Neutral conductor		N
min's	The same of the sa	The same of the same	
1.7	Marking and instructions	المستعلق المستعلق	Р
1.7.1	Marking and instructions Power rating Rated voltage(s) or voltage range(s) (V) : 5V or 3.7V Symbol for nature of supply, for d.c. only : ===	Р	
- 00	Rated voltage(s) or voltage range(s) (V)	5V or 3.7V	Р
بر الاز	Symbol for nature of supply, for d.c. only :	-	Р
J Elli	Rated frequency or rated frequency range (Hz) :		N
-	Rated current (mA or A) :	The same of the sa	N
My C	Manufacturer's name or trade-mark or identification mark :	See the marking plate	Р
THE STATE OF	Model identification or type reference :	See the marking plate	Р
	Symbol for Class II equipment only :	Class III equipment	N
133	Other markings and symbols :	See the marking plate	Р
1.7.2	Safety instructions and marking	Safety instruction provided	Р
1.7.2.1	General		Р
1.7.2.2	Disconnect devices		N
1.7.2.3	Overcurrent protective device	The same of the same	N
1.7.2.4	IT power distribution systems		N
1.7.2.5	Operator access with a tool		N
1.7.2.6	Ozone		N
1.7.3	Short duty cycles	The state of the s	N
1.7.4	Supply voltage adjustment :		N



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	IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdic	
B DO	Methods and means of adjustment; reference to installation instructions :		N	
1.7.5	Power outlets on the equipment :	The Color	N	
1.7.6	Fuse identification (marking, special fusing characteristics, cross-reference):	The state of	N	
1.7.7	Wiring terminals	The little of the control of the con	N	
1.7.7.1	Protective earthing and bonding terminals :		N	
1.7.7.2	Terminals for a.c. mains supply conductors	Not directly connected to main supply	N	
1.7.7.3	Terminals for d.c. mains supply conductors	CON TOWN	N	
1.7.8	Controls and indicators		N	
1.7.8.1	Identification, location and marking:	TODA TO TOTAL	N	
1.7.8.2	Colours :		N	
1.7.8.3	Symbols according to IEC 60417:	The same of the sa	N	
1.7.8.4	Markings using figures :		N	
1.7.9	Isolation of multiple power sources :		N	
1.7.10	Thermostats and other regulating devices :		N	
1.7.11	Durability	The label was subjected to the permanence of marking test. The label was rubbed with cloth soaked with water for 15 s and then again for 15 s with the cloth soaked with petroleum spirit. After this test there was no damage to the label. The marking on the label did not fade. There was no curling nor lifting of the label edge.	P	
1.7.12	Removable parts	There is do not give rise to misunderstanding.	N	
1.7.13	Replaceable batteries :	Same model for battery only.	Р	
an in	Language(s):	English	BY-	
1.7.14	Equipment for restricted access locations:	EUT is not considered for exclusive usage in restricted access locations.	N	

2	PROTECTION FROM HAZARDS	Р
2.1	Protection from electric shock and energy hazards	N

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IEC 60950-1				
Clause	Requirement + Test	Result - Remark	Verdict	
2.1.1	Protection in operator access areas	Not directly connected to main supply Approved external adapter was used when charging.	N	
2.1.1.1	Access to energized parts	1000	N	
WILL TO	Test by inspection :		N	
- D	Test with test finger (Figure 2A) :	Direction of the same of the s	N	
	Test with test pin (Figure 2B) :	The same of the sa	N	
O D	Test with test probe (Figure 2C) :		N	
2.1.1.2	Battery compartments		N	
2.1.1.3	Access to ELV wiring		N	
TO THE	Working voltage (Vpeak or Vrms); minimum distance through insulation (mm)	TO TO THE REAL PROPERTY.	TEST !	
2.1.1.4	Access to hazardous voltage circuit wiring	The same of the sa	N	
2.1.1.5	Energy hazards:	Approved internal Li-ion battery cell was used	Р	
2.1.1.6	Manual controls	TODY TO TOUR	N	
2.1.1.7	Discharge of capacitors in equipment	The state of the	N	
2	Measured voltage (V); time-constant (s)	The same	025	
2.1.1.8	Energy hazards – d.c. mains supply	The state of the s	N	
-01	a) Capacitor connected to the d.c. mains supply		N	
TO SECOND	b) Internal battery connected to the d.c. mains supply :	D CO D	N	
2.1.1.9	Audio amplifiers :	2 1000	N	
2.1.2	Protection in service access areas	The Colonial	N	
2.1.3	Protection in restricted access locations	COLUMN TO THE REAL PROPERTY OF THE PERTY OF	N	
2.2	SELV circuits		Р	
2.2.1	General requirements		Р	
2.2.2	Voltages under normal conditions (V):	< 60 V d.c	Р	
2.2.3	Voltages under fault conditions (V):	< 60 V d.c	Р	
2.2.4	Connection of SELV circuits to other circuits :	SELV circuits only	N	

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	IEC 60950-1		
Clause	Requirement + Test	Result - Remark	Verdict
2.3	TNV circuits	The state of the s	N
2.3.1	Limits	No TNV circuits	N
China Service	Type of TNV circuits:	100 TO 100	102
2.3.2	Separation from other circuits and from accessible parts	TO THE REAL PROPERTY.	N
2.3.2.1	General requirements	DEPT TO THE PARTY OF THE PARTY	N
2.3.2.2	Protection by basic insulation	2 m	N
2.3.2.3	Protection by earthing		N
2.3.2.4	Protection by other constructions :	1000	N
2.3.3	Separation from hazardous voltages	THE PARTY OF THE P	N
miles.	Insulation employed:		THE PARTY NAMED IN
2.3.4	Connection of TNV circuits to other circuits	000	N
DIS.	Insulation employed:	The same of the	m33-
2.3.5	Test for operating voltages generated externally	The same of the sa	N
No. of Lot	The state of the s	S COLUMN TO SERVICE STATE OF THE PERSON OF T	WORK -
2.4	Limited current circuits		N
2.4.1	General requirements	(UD)	N
2.4.2	Limit values	1000 - LODS	N
ALL Y	Frequency (Hz) :	4000	13-12
	Measured current (mA):	DE LOS	a vi
133	Measured voltage (V):	a Comment of the	
a Mill	Measured circuit capacitance (nF or μF) :		(D)
2.4.3	Connection of limited current circuits to other circuits		N
2.5	Limited power sources		N
	a) Inherently limited output		N
DIS.	b) Impedance limited output		N
TO PEU	c) Regulating network limited output under normal operating and single fault condition		N
1	d) Overcurrent protective device limited output		N

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	IEC 60950-1		
Clause	Requirement + Test	Result - Remark	Verdic
a mil	Max. output voltage (V), max. output current (A), max. apparent power (VA):	See appended table 2.5	THE STREET
Times.	Current rating of overcurrent protective device (A)	Not used	
		COLUMN COLUMN	1 1000
2.6	Provisions for earthing and bonding	The Branch Branch	N
2.6.1	Protective earthing	Dis Comments	N
2.6.2	Functional earthing	a limb	N
2.6.3	Protective earthing and protective bonding conductors		N
2.6.3.1	General		N
2.6.3.2	Size of protective earthing conductors	CORP TO THE PARTY OF THE PARTY	N
COD!	Rated current (A), cross-sectional area (mm2), AWG:	TO TO THE REAL PROPERTY.	6000
2.6.3.3	Size of protective bonding conductors	The same of the sa	N
	Rated current (A), cross-sectional area (mm2), AWG:	II TO THE PERSON OF THE PERSON	J. 33
2.6.3.4	Resistance of earthing conductors and their terminations; resistance (Ω) , voltage drop (V) , test current (A) , duration (min) :	TO THE REAL PROPERTY.	N
2.6.3.5	Colour of insulation:	COLDS TO THE	N
2.6.4	Terminals		N
2.6.4.1	General		N
2.6.4.2	Protective earthing and bonding terminals		N
TO BE	Rated current (A), type, nominal thread diameter (mm) :		- B
2.6.4.3	Separation of the protective earthing conductor from protective bonding conductors	B CONTRACTOR	N
2.6.5	Integrity of protective earthing	COLD TO THE PARTY OF THE PARTY	N
2.6.5.1	Interconnection of equipment	The state of the s	N
2.6.5.2	Components in protective earthing conductors and protective bonding conductors	The same of the sa	N
2.6.5.3	Disconnection of protective earth		N
2.6.5.4	Parts that can be removed by an operator		N
2.6.5.5	Parts removed during servicing	3 - 100 - 1	N
2.6.5.6	Corrosion resistance	1007	N
2.6.5.7	Screws for protective bonding		N

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IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdic
2.6.5.8	Reliance on telecommunication network or cable distribution system		N
2.7	Overcurrent and earth fault protection in primary c	ircuits	N
2.7.1	Basic requirements	Not directly connected to main supply Approved external adapter was used when charging.	N
TO THE	Instructions when protection relies on building installation	DI TOWN TO	N
2.7.2	Faults not simulated in 5.3.7	TODAY TO THE PARTY OF THE PARTY	N
2.7.3	Short-circuit backup protection		N
2.7.4	Number and location of protective devices :	The same of the sa	N
2.7.5	Protection by several devices	TO THE OWNER OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER OW	N
2.7.6	Warning to service personnel:	The state of the s	N
0.0	Onfoto interlegion		22
2.8	Safety interlocks		N
2.8.1	General principles		N
2.8.2	Protection requirements	The same	N
2.8.3	Inadvertent reactivation		N
2.8.4	Fail-safe operation		N
2.8.5	Moving parts	CO DE CO	N
2.8.6	Overriding		N
2.8.7	Switches and relays		N
2.8.7.1	Contact gaps (mm):		N
2.8.7.2	Overload test		N
2.8.7.3	Endurance test		N
2.8.7.4	Electric strength test		N
2.8.8	Mechanical actuators		N
2.9	Electrical insulation		N
2.9.1	Properties of insulating materials		N



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	IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict	
2.9.2	Humidity conditioning		N	
	Relative humidity (%), temperature (°C)		COUNTY -	
2.9.3	Grade of insulation		N	
2.9.4	Separation from hazardous voltages	3 - 603 - 6	N	
THE STATE OF THE S	Method(s) used :		0 100	

2.10	Clearances, creepage distances and distances through insulation	N
2.10.1	General	N
2.10.1.1	Frequency:	N
2.10.1.2	Pollution degrees :	N
2.10.1.3	Reduced values for functional insualtion	N
2.10.1.4	Intervening unconnected conductive parts	N
2.10.1.5	Insulation with varying dimensions	N
2.10.1.6	Special separation requirements	N
2.10.1.7	Insulation in circuits generating starting pulses	N
2.10.2	Determination of working voltage	N
2.10.2.1	General	N
2.10.2.2	RMS working voltage	N
2.10.2.3	Peak working voltage	N
2.10.3	Clearances	N
2.10.3.1	General	N
2.10.3.2	Mains transient voltages	N
ETO DE	a) AC mains supply :	N
1	b) Earthed d.c. mains supplies :	N
ELLINO.	c) Unearthed d.c. mains supplies :	N
10	d) Battery operation :	N
2.10.3.3	Clearances in primary circuits	N
2.10.3.4	Clearances in secondary circuits	N
2.10.3.5	Clearances in circuits having starting pulses	N



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	IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict	
THE PARTY OF	TO THE REAL PROPERTY OF THE PARTY OF THE PAR	مروس المراس	The same	
2.10.3.6	Transients from a.c. mains supply :	COLUMN TO THE PARTY OF THE PART	N	
2.10.3.7	Transients from d.c. mains supply :	The state of the s	N	
2.10.3.8	Transients from telecommunication networks and cable distribution systems :	THE REAL PROPERTY.	N	
2.10.3.9	Measurement of transient voltage levels		N	
THE PERSON	a) Transients from a mains supply		N	
and a	For an a.c. mains supply:	مرسان مرسان	N	
33	For a d.c. mains supply:	Page 1	N	
THE PARTY OF THE P	b) Transients from a telecommunication network :	The state of the s	N	
2.10.4	Creepage distances	TOWN THE PARTY OF	N	
2.10.4.1	General	The state of the s	N	
2.10.4.2	Material group and comparative tracking index	322	N	
3000	CTI tests:		1 M 20	
2.10.4.3	Minimum creepage distances	TO THE STATE OF TH	N	
2.10.5	Solid insulation	3 - 6003	N	
2.10.5.1	General	COLUMN TO THE PARTY OF THE PART	N	
2.10.5.2	Distances through insulation		N	
2.10.5.3	Insulating compound as solid insulation	The same	N	
2.10.5.4	Semiconductor devices	TO DESCRIPTION OF	N	
2.10.5.5.	Cemented joints		N	
2.10.5.6	Thin sheet material – General	of the same of	N	
2.10.5.7	Separable thin sheet material		N	
THE STATE OF	Number of layers (pcs)	CIDE -	N	
2.10.5.8	Non-separable thin sheet material		N	
2.10.5.9	Thin sheet material – standard test procedure		N	
197	Electric strength test	The state of the s	N	
2.10.5.10	Thin sheet material – alternative test procedure	2 (D) (1)	N	
	Electric strength test	The same of the sa	N	
2.10.5.11	Insulation in wound components	The same of the sa	N	

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	IEC 60950-1		
Clause	Requirement + Test	Result - Remark	Verdict
2.10.5.12	Wire in wound components		N
	Working voltage	The same of the sa	N
All Designation of the last of	a) Basic insulation not under stress	THE PARTY OF THE P	N
	b) Basic, supplemetary, reinforced insulation		N
CITY OF THE PARTY	c) Compliance with Annex U	THE PARTY OF THE P	N
OH	Two wires in contact inside wound component; angle between 45° and 90°	TO THE REAL PROPERTY.	N
2.10.5.13	Wire with solvent-based enamel in wound components		N
	Electric strength test	1	N
3	Routine test	مرالها مد ورالها	N
2.10.5.14	Additional insulation in wound components	The Court of the C	N
- B	Working voltage	DE TOUR	N
10.13	- Basic insulation not under stress	THE REAL PROPERTY OF	N
TO THE	- Supplemetary, reinforced insulation		N
2.10.6	Construction of printed boards	The state of the s	N
2.10.6.1	Uncoated printed boards		N
2.10.6.2	Coated printed boards	6000	N
2.10.6.3	Insulation between conductors on the same inner surface of a printed board	TOP TOP	N
2.10.6.4	Insulation between conductors on different layers of a printed board		N
	Distance through insulation		N
CITE I	Number of insulation layers (pcs)	11 - 1000	N
2.10.7	Component external terminations	CON THE COURSE	N
2.10.8	Tests on coated printed boards and coated components	The same of	N
2.10.8.1	Sample preparation and preliminary inspection	THE PARTY OF THE P	N
2.10.8.2	Thermal conditioning	THE PERSON NAMED IN	N
2.10.8.3	Electric strength test	COLUMN TO THE PARTY OF THE PART	N
2.10.8.4	Abrasion resistance test	THE STATE OF THE PARTY OF THE P	N
2.10.9	Thermal cycling		N
2.10.10	Test for Pollution Degree 1 environment and insulating compound	S COMPANY	N



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IEC 60950-1				
Clause	Requirement + Test	Result - Remark	Verdic	
2.10.11	Tests for semiconductor devices and cemented joints		N	
2.10.12	Enclosed and sealed parts		N	
3	WIRING, CONNECTIONS AND SUPPLY	COLUMN TO THE REAL PROPERTY OF THE PARTY OF	Р	
3.1	General		Р	
3.1.1	Current rating and overcurrent protection	Internal wiring gauge is suitable for current intended to be carried.	P	
3.1.2	Protection against mechanical damage	Wires do not touch sharp edges which could damage the insulation and cause hazards.	P	
3.1.3	Securing of internal wiring	Wire ways are smooth and free from edges. Wires are adequately fixed to prevent excessive strain on wire and terminals and avoiding damage to the insulation of the conductors.	P	
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.	TIPS TIPS	
3.1.5	Beads and ceramic insulators	THE REAL PROPERTY OF THE PARTY	N	
3.1.6	Screws for electrical contact pressure		N	
3.1.7	Insulating materials in electrical connections	The state of the s	N	
3.1.8	Self-tapping and spaced thread screws		N	
3.1.9	Termination of conductors	The state of the s	Р	
COL	10 N pull test	All conductors are reliable secured.	Р	
3.1.10	Sleeving on wiring	Charles Annual Party	N	
3.2	Connection to a mains supply		N	
3.2.1	Means of connection	Not directly to connected to mains supply	N	
3.2.1.1	Connection to an a.c. mains supply	тапо варріу	N	

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IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict
3.2.1.2	Connection to a d.c. mains supply		N
3.2.2	Multiple supply connections		N
3.2.3	Permanently connected equipment		N
100°	Number of conductors, diameter of cable and conduits (mm):	TOD TO	100 T
3.2.4	Appliance inlets	Dir	N
3.2.5	Power supply cords	TO THE REAL PROPERTY.	N
3.2.5.1	AC power supply cords	The same of the sa	N
	Type:		-
J THE	Rated current (A), cross-sectional area (mm2), AWG:	TODY TODY	CADE:
3.2.5.2	DC power supply cords	The state of the s	N
3.2.6	Cord anchorages and strain relief	On the	N
10133 10133	Mass of equipment (kg), pull (N):	The state of the s	13)
	Longitudinal displacement (mm):		(4)
3.2.7	Protection against mechanical damage		N
3.2.8	Cord guards		N
CO3	Diameter or minor dimension D (mm); test mass (g):	The same of the same	mīj l
	Radius of curvature of cord (mm):	The same of the sa	
3.2.9	Supply wiring space		N
3.3	Wiring terminals for connection of external conduc	ctors	N
3.3.1	Wiring terminals	Class III equipment (supplied by SELV).	N
3.3.2	Connection of non-detachable power supply cords	The state of the s	N
3.3.3	Screw terminals		N
3.3.4	Conductor sizes to be connected	The state of the s	N
	Rated current (A), cord/cable type, cross- sectional area (mm2):	Dis Town	
3.3.5	Wiring terminal sizes		N
D Din	Rated current (A), type, nominal thread diameter (mm):		
3.3.6	Wiring terminal design	IN THE PARTY OF TH	N



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Clause	Requirement + Test	Result - Remark	Verdic
3.3.7	Grouping of wiring terminals		N
3.3.8	Stranded wire		N
3.4	Disconnection from the mains supply		N
3.4.1	General requirement	Class III equipment (supplied by SELV).	N
3.4.2	Disconnect devices	by OLLV).	N
3.4.3	Permanently connected equipment	The state of the s	N
3.4.4	Parts which remain energized		N
3.4.5	Switches in flexible cords		N
3.4.6	Number of poles - single-phase and d.c. equipment	THE PARTY OF THE P	N
3.4.7	Number of poles - three-phase equipment	CONTRACTOR OF THE PARTY OF THE	N
3.4.8	Switches as disconnect devices	The state of the s	N
3.4.9	Plugs as disconnect devices	Charles of the Control of the Contro	N
3.4.10	Interconnected equipment		N
3.4.11	Multiple power sources		N
3.5	Interconnection of equipment		Р
3.5.1	General requirements		Р
3.5.2	Types of interconnection circuits :	Only SELV to SELV	Р
3.5.3	ELV circuits as interconnection circuits		N
3.5.4	Data ports for additional equipment	USB port only used to transfer data	Р
4	PHYSICAL REQUIREMENTS		Р
4.1	Stability		N
DI T	Angle of 10°	Based on construction, the test was deemed not necessary.	N
111	Test force (N):	The same of the	N
4.2	Mechanical strength		Р

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Clause	Requirement + Test	Result - Remark	Verdic		
4.2.1	General		N		
	Rack-mounted equipment.		N		
4.2.2	Steady force test, 10 N		N		
4.2.3	Steady force test, 30 N		N		
4.2.4	Steady force test, 250 N	COD TO CODE	Р		
4.2.5	Impact test	TO THE REAL PROPERTY.	N		
	Fall test	TO THE REAL PROPERTY OF	N		
	Swing test	The state of the s	N		
4.2.6	Drop test; height (mm):	1m; No damage of the enclosure, no energy hazards or damage to enclosure integration after the test.	P		
4.2.7	Stress relief test	75 ℃	Р		
4.2.8	Cathode ray tubes		N		
77 00	Picture tube separately certified :		N		
4.2.9	High pressure lamps	TO THE TOWN THE TOWN	N		
4.2.10	Wall or ceiling mounted equipment; force (N):	CONTRACTOR OF THE PARTY OF THE	N		
4.3	Design and construction	TO THE REAL PROPERTY.	Р		
4.3.1	Edges and corners	Round and smooth	Р		
4.3.2	Handles and manual controls; force (N):		N		
4.3.3	Adjustable controls		N		
4.3.4	Securing of parts		N		
4.3.5	Connection by plugs and sockets		N		
4.3.6	Direct plug-in equipment		N		
TE	Torque :	The state of the s			
	Compliance with the relevant mains plug standard :		N		
4.3.7	Heating elements in earthed equipment	TO THE REAL PROPERTY.	N		
4.3.8	Batteries		Р		
	- Overcharging of a rechargeable battery	See appended table 4.3.8	Р		



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Clause	Requirement + Test	Result - Remark	Verdict
3 10003	- Unintentional charging of a non-rechargeable battery	Only specific battery pack can be used	Р
COLUMN TO SERVICE STATE OF THE PERSON OF THE	- Reverse charging of a rechargeable battery	Cannot reverse charging	N
5 6	- Excessive discharging rate for any battery	THE RESERVE TO SERVE THE PARTY OF THE PARTY	N
4.3.9	Oil and grease		N
4.3.10	Dust, powders, liquids and gases		N
4.3.11	Containers for liquids or gases		N
4.3.12	Flammable liquids :		N
	Quantity of liquid (I):		N
The same	Flash point (°C):		N
4.3.13	Radiation		N
4.3.13.1	General	TODA TODAY	N
4.3.13.2	Ionizing radiation		N
	Measured radiation (pA/kg) :		
	Measured high-voltage (kV) :		
Birry	Measured focus voltage (kV) :		
	CRT markings :	The course of the course	
4.3.13.3	Effect of ultraviolet (UV) radiation on materials		N
	Part, property, retention after test, flammability classification :		N
4.3.13.4	Human exposure to ultraviolet (UV) radiation :		N
4.3.13.5	Lasers (including laser diodes) and LEDs	A COUNTY OF THE	Р
4.3.13.5.1	Lasers (including laser diodes)		N
can 3	Laser class:		
4.3.13.5.2	Light emitting diodes (LEDs)	See LED report	Р
4.3.13.6	Other types :	The state of the s	N
4.4	Protection against hazardous moving parts	The state of the s	N
4.4.1	General		N
4.4.2	Protection in operator access areas :	A BULL TO THE	N
E COLD	Household and home/office document/media		

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Clause	Requirement + Test	Result - Remark	Verdict
THE PARTY OF THE P	shredders		
4.4.3	Protection in restricted access locations :		N
4.4.4	Protection in service access areas		N
4.4.5	Protection against moving fan blades		N
4.4.5.1	General		N
B.	Not considered to cause pain or injury. a):		N
	Is considered to cause pain, not injury. b):	Die Comment	N
	Considered to cause injury. c):		N
4.4.5.2	Protection for users		N
	Use of symbol or warning:		N
4.4.5.3	Protection for service persons	(D)	N
THE PERSON NAMED IN	Use of symbol or warning:	1003 TO	N
00		المستعمل من وقال	THE PARTY OF
4.5	Thermal requirements	The state of the s	Р
4.5.1	General	The state of the s	Р
4.5.2	Temperature tests	see appended table 4.5	Р
China	Normal load condition per Annex L :	The same of the sa	
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 :	TO THE REAL PROPERTY.	N
4.6	Openings in enclosures		N
4.6.1	Top and side openings		N
Carrie	Dimensions (mm) :		
4.6.2	Bottoms of fire enclosures		N
	Construction of the bottom, dimensions (mm):	CONTRACTOR OF THE PARTY OF THE	
4.6.3	Doors or covers in fire enclosures	The state of the s	N
4.6.4	Openings in transportable equipment		N
4.6.4.1	Constructional design measures		N
LINE.	Dimensions (mm) :		

4.7.3.6

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Clause	Requirement + Test	Result - Remark	Verdic
4.6.4.2	Evaluation measures for larger openings		N
4.6.4.3	Use of metallized parts	The same of the sa	N
4.6.5	Adhesives for constructional purposes		N
MBY.	Conditioning temperature (°C), time (weeks):		
4.7	Resistance to fire	با وسرس وسرس	P
	Resistance to life		11
4.7.1	Reducing the risk of ignition and spread of flame	Use of plastic with the required flammability classes	P
	Method 1, selection and application of components wiring and materials	Method 1 is used.	Р
1	Method 2, application of all of simulated fault condition tests	Not used method 2.	N
4.7.2	Conditions for a fire enclosure	The same of the sa	P
4.7.2.1	Parts requiring a fire enclosure	The fire enclosure is required to cover all parts.	N
4.7.2.2	Parts not requiring a fire enclosure	Power supply and internal lithium battery package is LPS evaluated.	P
		All components mounted on V-1 PCB	
4.7.3	Materials	TO THE REAL PROPERTY.	Р
4.7.3.1	General		Р
4.7.3.2	Materials for fire enclosures		N
4.7.3.3	Materials for components and other parts outside fire enclosures	DE COURT OF	N
4.7.3.4	Materials for components and other parts inside fire enclosures		N
4.7.3.5	Materials for air filter assemblies		N

5	ELECTRICAL REQUIREMENTS AND SIMULATED ABNORMAL CONDITIONS	Р
5.1	Touch current and protective conductor current	N
5.1.1	General	N
5.1.2	Configuration of equipment under test (EUT)	N
5.1.2.1	Single connection to an a.c. mains supply	N

Materials used in high-voltage components

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Clause	Requirement + Test	Result - Remark	Verdict	
5.1.2.2	Redundant multiple connections to an a.c. mains supply		N	
5.1.2.3	Simultaneous multiple connections to an a.c. mains supply		N	
5.1.3	Test circuit	CON TO THE	N	
5.1.4	Application of measuring instrument	The same of the sa	N	
5.1.5	Test procedure	Day of the same	N	
5.1.6	Test measurements	TO COMPANY OF	N	
O from	Supply voltage (V) :	- mil		
	Measured touch current (mA) :		<u></u>	
	Max. allowed touch current (mA):	TOWN TO THE PARTY	-	
0000	Measured protective conductor current (mA) :			
20	Max. allowed protective conductor current (mA):	The same of the sa	(3)	
5.1.7	Equipment with touch current exceeding 3,5 mA		N	
5.1.7.1	General:		N	
5.1.7.2	Simultaneous multiple connections to the supply	3 600	N	
5.1.8	Touch currents to telecommunication networks and cable distribution systems and from telecommunication networks	CODE TO THE	N	
5.1.8.1	Limitation of the touch current to a telecommunication network or to a cable distribution system		N	
The same	Supply voltage (V):	Dis To Blind	(1 N) -	
133	Measured touch current (mA):		-	
	Max. allowed touch current (mA):	The same of the sa		
5.1.8.2	Summation of touch currents from telecommunication networks	COLUMN TO SERVICE STATE OF THE PERSON OF THE	N N	
-	a) EUT with earthed telecommunication ports :b) EUT whose telecommunication ports have no		N	
Min	reference to protective earth			
5.2	Electric strength		N	
5.2.1	General		N	
5.2.2	Test procedure		N	

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	IEC 60950-1	11 - 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The same
Clause	Requirement + Test	Result - Remark	Verdict
5.3	Abnormal operating and fault conditions		Р
5.3.1	Protection against overload and abnormal operation	See appended table 5.3	Р
5.3.2	Motors		Р
5.3.3	Transformers		N
5.3.4	Functional insulation:		Р
5.3.5	Electromechanical components		N
5.3.6	Audio amplifiers in ITE:		N
5.3.7	Simulation of faults	See appended table 5.3	Р
5.3.8	Unattended equipment		N
5.3.9	Compliance criteria for abnormal operating and fault conditions	No flame emitted, no molten material emitted, no deformation of enclosure	Р
5.3.9.1	During the tests	No fire propagated beyond the equipment. No molten metal was emitted.	P
5.3.9.2	After the tests	No hazards.	Р
CAU.		THE REAL PROPERTY AND ADDRESS OF THE PARTY AND	Tilles
6	CONNECTION TO TELECOMMUNICATION NET	TWORKS	N
6.1	Protection of telecommunication network service equipment connected to the network, from hazard		N
6.1.1	Protection from hazardous voltages	is in the equipment	N
6.1.2	Separation of the telecommunication network from	n earth	N
6.1.2.1	Requirements	No TNV circuit.	N
	Supply voltage (V):	The state of the	
2	Current in the test circuit (mA) :	The same of the sa	
6.1.2.2	Exclusions:		N
1	The state of the s	The state of the s	
6.2	Protection of equipment users from overvoltages	on telecommunication networks	N
6.2.1	Separation requirements	(M31) - (M32)	N
6.2.2	Electric strength test procedure		N
6.2.2.1	Impulse test	TODA TODA	N
6.2.2.2	Steady-state test		N



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	IEC 60950-1		130
Clause	Requirement + Test	Result - Remark	Verdic
6.2.2.3	Compliance criteria		N
0.0			TO SE
6.3	Protection of the telecommunication wiring system	from overheating	N
WILE.	Max. output current (A):	- 1000 - 10	-
50	Current limiting method :	Dr. Corre	3 V -
7	CONNECTION TO CABLE DISTRIBUTION SYSTI	EMS	N
7.1	General	EUD TO	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
7.3	Protection of equipment users from overvoltages on the cable distribution system		N
7.4	Insulation between primary circuits and cable distribution systems	TO THE REAL PROPERTY.	N N
7.4.1	General		N
7.4.2	Voltage surge test	The state of the s	N
7.4.3	Impulse test		N
A	Annex A, TESTS FOR RESISTANCE TO HEAT A	ND 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)		N
A.1.1	Samples, material:		- [
The same	Wall thickness (mm):	3 1000	
A.1.2	Conditioning of samples; temperature ($^{\circ}$ C):	COLD TO THE	N
A.1.3	Mounting of samples :	(D)	N
A.1.4	Test flame (see IEC 60695-11-3)	TOWN TOWN	N
OTHER !	Flame A, B, C or D :	The state of the	-
A.1.5	Test procedure	District Tolland	N
A.1.6	Compliance criteria		N
TO PU	Sample 1 burning time (s):		-
	Sample 2 burning time (s):	The constant	<u> </u>
Billing	Sample 3 burning time (s):		

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Clause	Requirement + Test	Result - Remark	Verdict
A.2	Flammability test for fire enclosures of movable ed not exceeding 18 kg, and for material and componenclosures (see 4.7.3.2 and 4.7.3.4)		N
A.2.1	Samples, material:		
100	Wall thickness (mm):	1000	
A.2.2	Conditioning of samples; temperature (°C):		N
A.2.3	Mounting of samples :	COUNTY TO THE PARTY OF THE PART	N
A.2.4	Test flame (see IEC 60695-11-4)	131 - 132 - 13	N
33 -	Flame A, B or C:	LON TOWN	
A.2.5	Test procedure		N
A.2.6	Compliance criteria		N
EDITO:	Sample 1 burning time (s):		
	Sample 2 burning time (s):		
1000	Sample 3 burning time (s):		
A.2.7	Alternative test acc. To IEC 60695-11-5, cl. 5 and 9	TODY TODY	N
0.01	Sample 1 burning time (s):	The same of the	
1	Sample 2 burning time (s):	The same	
CALL	Sample 3 burning time (s):		
A.3	Hot flaming oil test (see 4.6.2)		N
A.3.1	Mounting of samples		N
A.3.2	Test procedure		N
A.3.3	Compliance criterion	DE TOP A DE	N
В	Annex B, MOTOR TESTS UNDER ABNORMAL CONDITIONS (see 4.7.2.2 and 5.3.2)	The same of the sa	N
B.1	General requirements		N
-CO	Position:	The state of the s	
	Manufacturer :		
THE PERSON NAMED IN	Type:		
ani.	Rated values :	TO TOO TO TO	
B.2	Test conditions		N
B.3	Maximum temperatures		N

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	IEC 60950-1		A BURNEY
Clause	Requirement + Test	Result - Remark	Verdict
B.4	Running overload test		N
B.5	Locked-rotor overload test		N
Linn,	Test duration (days) :		
	Electric strength test: test voltage (V):		_
B.6	Running overload test for d.c. motors in secondary circuits	CONTRACTOR OF THE PARTY OF THE	N
B.6.1	General	TO THE PARTY OF	N
B.6.2	Test procedure	The same of the sa	N
B.6.3	Alternative test procedure		N
B.6.4	6.4 Electric strength test; test voltage (V): 7 Locked-rotor overload test for d.c. motors in secondary circuits		N
B.7		D TOO	N
B.7.1	General	(Direction of the contraction o	N
B.7.2	Test procedure	The state of the	N
B.7.3	Alternative test procedure	Carried Contract	N
B.7.4	Electric strength test; test voltage (V):		N
B.8	Test for motors with capacitors		N
B.9	Test for three-phase motors		N
B.10	Test for series motors	TOTAL TOTAL	N
TOP	Operating voltage (V):	The state of the s	
С	Annex C, TRANSFORMERS (see 1.5.4 and	The state of the s	N
	5.3.3)		N N
3 500	Position:		-
CITE	Manufacturer :		
	Type:	TOWN TO THE PARTY OF THE PARTY	
MARK	Rated values :	The state of the	- J
	Method of protection:	Carried Comments	(I) -
C.1	Overload test	The same of the	N
C.2	Insulation	The state of the s	N
بر من	Protection from displacement of windings:		N

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Clause	Requirement + Test Result - Remark	Verdict
D	Annex D, MEASURING INSTRUMENTS FOR TOUCH-CURRENT TESTS (see 5.1.4)	N
D.1	Measuring instrument	N
D.2	Alternative measuring instrument	N
E T	Annex E, TEMPERATURE RISE OF A WINDING (see 1.4.13)	N
F CO	Annex F, MEASUREMENT OF CLEARANCES AND CREEPAGE DISTANCES (see 2.10 and Annex G)	N
G	Annex G, ALTERNATIVE METHOD FOR DETERMINING MINIMUM CLEARANCES	N
G.1	Clearances	N
G.1.1	General	N
G.1.2	Summary of the procedure for determining minimum clearances	N
G.2	Determination of mains transient voltage (V)	N
G.2.1	AC mains supply :	N
G.2.2	Earthed d.c. mains supplies :	N
G.2.3	Unearthed d.c. mains supplies :	N
G.2.4	Battery operation :	N
G.3	Determination of telecommunication network transient voltage (V):	N
G.4	Determination of required withstand voltage (V)	N
G.4.1	Mains transients and internal repetitive peaks :	N
G.4.2	Transients from telecommunication networks :	N
G.4.3	Combination of transients	N
G.4.4	Transients from cable distribution systems	N
G.5	Measurement of transient voltages (V)	N
0	a) Transients from a mains supply	N
N. C.	For an a.c. mains supply	N
A CAN	For a d.c. mains supply	N
1000	b) Transients from a telecommunication network	N



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Clause	Requirement + Test	Result - Remark	Verdic
G.6	Determination of minimum clearances :		N
H	Annex H, IONIZING RADIATION (see 4.3.13)		N
J	Annex J, TABLE OF ELECTROCHEMICAL POTEN	NTIALS (see 2.6.5.6)	N
ED.	Metal(s) used		
K	Annex K, THERMAL CONTROLS (see 1.5.3 and 5	3.8)	N
K.1	Making and breaking capacity	No thermal controls	N
K.2	Thermostat reliability; operating voltage (V):	Tro mornial controls	N
K.3			N
K.4	Thermostat endurance test; operating voltage (V): Temperature limiter endurance; operating voltage		N
K.5	(V):		N.
K.6	Thermal cut-out reliability Stability of operation		N
14.0	Stability of operation	3 TO TO	
L	Annex L, NORMAL LOAD CONDITIONS FOR SOM BUSINESS EQUIPMENT (see 1.2.2.1 and 4.5.2)	ME TYPES OF ELECTRICAL	Р
L.1	Typewriters		N
L.2	Adding machines and cash registers		N
L.3	Erasers	D TO TO	N
L.4	Pencil sharpeners	TODA TODA	N
L.5	Duplicators and copy machines	DE LOUIS DE LA COLONIA DE LA C	N
L.6	Motor-operated files	The same of the sa	N
L.7	Other business equipment		Р
Time.	The state of the s	The state of the s	1
M	Annex M, CRITERIA FOR TELEPHONE RINGING	SIGNALS (see 2.3.1)	N
M.1	Introduction		N
M.2	Method A	D TO TO	N
M.3	Method B	TODA TOTAL	N
M.3.1	Ringing signal	3 - 1000 - 600	N



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Clause	Requirement + Test Result - Remark	Verdict
M.3.1.1	Frequency (Hz) :	
M.3.1.2	Voltage (V):	
M.3.1.3	Cadence; time (s), voltage (V):	
M.3.1.4	Single fault current (mA) :	
M.3.2	Tripping device and monitoring voltage :	N
M.3.2.1	Conditions for use of a tripping device or a monitoring voltage	N
M.3.2.2	Tripping device	N
M.3.2.3	Monitoring voltage (V):	N
The same		CELL STORY
N	Annex N, IMPULSE TEST GENERATORS (see 1.5.7.2, 1.5.7.3, 2.10.3.9, 6.2.2.1, 7.3.2, 7.4.3 and Clause G.5)	N
N.1	ITU-T impulse test generators	N
N.2	IEC 60065 impulse test generator	N
- 000		(11)
Р	Annex P, NORMATIVE REFERENCES	
Q	Annex Q, Voltage dependent resistors (VDRs) (see 1.5.9.1)	N
Q	Annex Q, Voltage dependent resistors (VDRs) (see 1.5.9.1) a) Preferred climatic categories :	N N
Q		
Q	a) Preferred climatic categories :	N
Q	a) Preferred climatic categories : b) Maximum continuous voltage :	N N
Q	a) Preferred climatic categories : b) Maximum continuous voltage : c) Pulse current : Annex R, EXAMPLES OF REQUIREMENTS FOR QUALITY CONTROL	N N
	a) Preferred climatic categories : b) Maximum continuous voltage : c) Pulse current : Annex R, EXAMPLES OF REQUIREMENTS FOR QUALITY CONTROL PROGRAMMES Minimum separation distances for unpopulated	N N N
R	a) Preferred climatic categories : b) Maximum continuous voltage : c) Pulse current : Annex R, EXAMPLES OF REQUIREMENTS FOR QUALITY CONTROL PROGRAMMES	N N N
R R.1	a) Preferred climatic categories : b) Maximum continuous voltage : c) Pulse current : Annex R, EXAMPLES OF REQUIREMENTS FOR QUALITY CONTROL PROGRAMMES Minimum separation distances for unpopulated coated printed boards (see 2.10.6.2)	N N N
R R.1	a) Preferred climatic categories : b) Maximum continuous voltage : c) Pulse current : Annex R, EXAMPLES OF REQUIREMENTS FOR QUALITY CONTROL PROGRAMMES Minimum separation distances for unpopulated coated printed boards (see 2.10.6.2)	N N N
R R.1 R.2	a) Preferred climatic categories : b) Maximum continuous voltage : c) Pulse current : Annex R, EXAMPLES OF REQUIREMENTS FOR QUALITY CONTROL PROGRAMMES Minimum separation distances for unpopulated coated printed boards (see 2.10.6.2) Reduced clearances (see 2.10.3)	N N N N
R R.1 R.2	a) Preferred climatic categories : b) Maximum continuous voltage : c) Pulse current : Annex R, EXAMPLES OF REQUIREMENTS FOR QUALITY CONTROL PROGRAMMES Minimum separation distances for unpopulated coated printed boards (see 2.10.6.2) Reduced clearances (see 2.10.3) Annex S, PROCEDURE FOR IMPULSE TESTING (see 6.2.2.3)	N N N N



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Clause	Requirement + Test	Result - Remark	Verdict
T	Annex T, GUIDANCE ON PROTECTION AGAINS (see 1.1.2)	T INGRESS OF WATER	N
U	Annex U, INSULATED WINDING WIRES FOR US INSULATION (see 2.10.5.4)	SE WITHOUT INTERLEAVED	N
a D		The state of the s	
V	Annex V, AC POWER DISTRIBUTION SYSTEMS	S (see 1.6.1)	N
V.1	Introduction		N
V.2	TN power distribution systems	TODA TODA	N
0000		The state of the s	
W	Annex W, SUMMATION OF TOUCH CURRENTS		N
W.1	Touch current from electronic circuits		N
W.1.1	Floating circuits	The state of the s	N
W.1.2	Earthed circuits		N
W.2	Interconnection of several equipments		N
W.2.1	Isolation		N
W.2.2	Common return, isolated from earth		N
W.2.3	Common return, connected to protective earth	TO THE REAL PROPERTY.	N
V	A TO SELVE MANYIMI IMA LIFATINIO FEFFOT IN TOA	NOTO DIMED TEOTO	100
X	Annex X, MAXIMUM HEATING EFFECT IN TRA (see clause C.1)	NSFORWER 1ES15	N
X.1	Determination of maximum input current		N
X.2	Overload test procedure		N
Y	ANNEX Y, ULTRAVIOLET LIGHT CONDITIONIN	IG 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



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	IEC 60950-1		
Clause	Requirement + Test	Result - Remark	Verdic
Z	ANNEX Z, OVERVOLTAGE CATEGORIES (see	2.10.3.2 and Clause G.2)	N
AA	ANNEX AA, MANDREL TEST (see 2.10.5.8)		N
BB	ANNEX BB, CHANGES IN THE SECOND EDIT	ION	
CC	Annex CC, Evaluation of integrated circuit (IC) co	urrent limiters	N
CC.1	General	TO THE REAL PROPERTY.	N
CC.2	Test program 1:	THE REAL PROPERTY OF	N
CC.3	Test program 2:		N
DD	Annex DD, Requirements for the mounting mear	ns of rack-mounted equipment	N
DD.1	General		N
DD.2	Mechanical strength test, variable	TO THE REAL PROPERTY.	N
DD.3	Mechanical strength test, 250N, including end stops		N
DD.4	Compliance:	THE REAL PROPERTY.	N
			MIDES.
EE	Annex EE, Household and home/office documer	nvmedia shredders	N
EE.1	General Marking and instructions		N
EE.2	Markings and instructions		N
	Use of markings or symbols		N
	Information of user instructions, maintenance and/or servicing instructions:		N
EE.3	Inadvertent reactivation test	TO TO THE MAN AND	N
EE.4	Disconnection of power to hazardous moving parts:	TODAY TODAY	N
EDIT	Use of markings or symbols:	THE REAL PROPERTY.	N



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	IEC 60950-1		
Clause	Requirement + Test	Result - Remark	Verdict
EE.5	Protection against hazardous moving parts	The state of the s	N
	Test with test finger (Figure 2A)		N
TO STORY	Test with wedge probe (Figure EE1 and EE2):	I THE THE PARTY OF	N

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		IEC 60950-1	THE PARTY OF
Clause	Requirement + Test	Result - Remark	Verdict

ATTACHMENT TO TEST REPORT IEC 60950-1 EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

Information technology equipment – Safety –

Part 1: General requirements

 Differences according to
 EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013

 Attachment Form No
 EU_GD_IEC60950_1E

Attachment Originator SGS Fimko Ltd

Master Attachment Date 2013-09

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EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013 - CENELEC COMMON MODIFICATIONS

000	Clauses, subclauses, notes, table IEC60950-1 and it's amendmets	es and figures which are additional to those in are prefixed "Z"	Р
Contents	Add the following annexes:		Р
	Annex ZA (normative) European	Normative references to international publications with their corresponding publications	
	Annex ZB (normative)	Special national conditions	
(A2:2013)	Annex ZD (informative)	IEC and CENELEC code designations for flexible cords	
General	Delete all the "country" notes in t according to the following list:	the reference document (IEC 60950-1:2005)	P
	1.4.8 Note 2 1.5.1 1.5.8 Note 2 1.5.9.4 Note 2.2.3 Note 2.2.4	Note 2 & 3 1.5.7.1 Note 1.7.2.1 Note 4, 5 & 6 Note 2.3.2 Note	
		Note 2 2.6.3.3 Note 2 & 3	
	4.7.3.1Note 2 5.1.7.1 Note 3 8 6 Note 2 & 5 6.1.2.1		
		Note 7.3 Note 1 & 2 Note 2	No.
General (A1:2010)	Delete all the "country" notes in t according to the following list:	the reference document (IEC 60950-1:2005/A1:2010)	Р
	1.5.7.1 Note	6.1.2.1 Note 2	
	6.2.2.1 Note 2	EE.3 Note	



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My Company		IEC 60950-1	THE REAL PROPERTY.
Clause	Requirement + Test	Result - Remark	Verdict

1 130	IEC 60950-1, GROUP DIFFERENCES (CENELEC	common modifications EN)	6910
General (A2:2013)	Delete all the "country" notes in the reference docume according to the following list: 2.7.1 Note * 2.10.3.1	nent (IEC 60950-1:2005/A2:2013) Note 2	P
	6.2.2. Note * Note of secretary: Text of Common Modification re	mains unchanged.	TI I
1.1.1 (A1:2010)	Replace the text of NOTE 3 by the following. NOTE 3 The requirements of EN 60065 may also be used to meet safety requirements for multimedia equipment. See IEC Guide 112, Guide on the safety of multimedia equipment. For television sets EN 60065 applies.		
1.3.Z1	Add the following subclause: No such device.		N/A
	1.3.Z1 Exposure to excessive sound pressure		
	The apparatus shall be so designed and constructed as to present no danger when used for its intended purpose, either in normal operating conditions or under fault conditions, particularly providing protection against exposure to excessive sound pressures from headphones or earphones. NOTE Z1 A new method of measurement is described in EN 50332-1, Sound system equipment: Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations - Part 1: General method for "one package equipment", and in EN 50332-2, Sound system equipment: 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.		
(A12:2011)	In EN 60950-1:2006/A12:2011	a Comment of the comm	N/A
	Delete the addition of 1.3.Z1 / EN 60950-1:2006		
	Delete the definition 1.2.3.Z1 / EN 60950-1:2006 /A1:2010	THE REAL PROPERTY.	
1.5.1	Add the following NOTE:		N/A
(Added info*)	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 *		
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.	D THE TOTAL OF	N/A



N/A

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	IEC 60950-1		
Clause	Requirement + Test	Result - Remark	Verdic
a Calley	IEC 60950-1, GROUP DIFFERENCES (CENELEC	common modifications EN	I)
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.		N/A

Zx Protection against excessive sound pressure from personal music players



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IEC 60950-1			TODA
Clause	Requirement + Test	Result - Remark	Verdict

Zx.1 General	William To American	N/A
This sub-clause specifies requirements for		1
protection against excessive sound pressure from		1187
personal music players that are closely coupled to	CITIZE TO PERSON	1
the ear. It also specifies requirements for		-0
earphones and headphones intended for use with		
personal music players.	ا المستقل المستقل	
A personal music player is a portable equipment	The state of the s	533
for personal use, that:	لا وسر منزلان بر الا	
is designed to allow the user to listen to	2003	- W
recorded or broadcast sound or video; and		Ab T
primarily uses headphones or earphones that		
can be worn in or on or around the ears; and		(A)
allows the user to walk around while in use.	Comment of the second	1
NOTE 1 Examples are hand-held or body-worn		
portable CD players, MP3 audio players, mobile		6/11/2
phones with MP3 type features, PDA's or similar		
equipment.	TO THE PARTY OF TH	600
A personal music player and earphones or		
headphones intended to be used with personal		- N
music players shall comply with the requirements of	A FRANCISCO	93
this sub-clause.	الله المستعلق الله الله	
The requirements in this sub-clause are valid for	COLUMN TO THE PARTY OF THE PART	1 50
music or video mode only.		
The requirements do not apply:		
while the personal music player is connected to		-
an external amplifier; or	The state of the s	T. 13.3
while the headphones or earphones are not		
used.		. 1
NOTE 2 An external amplifier is an amplifier which		127
is not part of the personal music player or the		
listening device, but which is intended to play the		- 67
music as a standalone music player.	College of the second	
The requirements do not apply to:	The state of the s	
hearing aid equipment and professional equipment;	TOWN THE PROPERTY OF	S. Sala
NOTE 3 Professional equipment is equipment sold	William Indian	-
through special sales channels. All products sold		
through normal electronics stores are considered	William William	A
not to be professional equipment.		



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IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict

IEC 60950-1, GROUP DIFFERENCES (CENELEC	N/A
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.	IV/A
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 meant. See also Zx.5 and Annex Zx.	N/A
All other equipment shall: a) protect the user from unintentional acoustic outputs exceeding those mentioned above; and b) have a standard acoustic output level not exceeding those mentioned above, and automatically return to an output level not exceeding those mentioned above when the power is switched off; and	



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IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict

IEC 60950-1, GROUP DIFFERENCES (CENELEC	common modifications EN)	6311
c) provide a means to actively inform the user of the		N/A
increased sound pressure when the equipment		IV/A
is operated with an acoustic output exceeding		1000
those mentioned above. Any means used shall		TALL S
be acknowledged by the user before activating	ENDING THE PROPERTY OF	100
a mode of operation which allows for an		-
acoustic output exceeding those mentioned		11:32
above. The acknowledgement does not need to	THE THE PARTY OF T	
be repeated more than once every 20 h of		_ E
cumulative listening time; and	- Callin - A file	2.1
NOTE 2 Examples of means include visual or		
audible signals. Action from the user is always	معا المناسب سلنانا المد الله	100
required.		4 N.S.
NOTE 3 The 20 h listening time is the accumulative	The state of the s	
listening time, independent how often and how long		
the personal music player has been switched off.		2011
d) have a warning as specified in Zx.3; and	CILLED TO RELIEF	Barbara .
e) not exceed the following:		
1) equipment provided as a package (player	The state of the s	1100
with Its listening device), the acoustic output		111
shall be ≤ 100 dBA measured while playing the fixed "programme simulation noise" described	The same of the sa	
in EN 50332-1; and		
2) a personal music player provided with an		100
analogue electrical output socket for a listening	The second of the	
device, the electrical output shall be ≤ 150 mV		
measured as described in EN 50332-2, while	- Edition	
playing the fixed "programme simulation noise"		1
described in EN 50332-1.		CID
For music where the average sound pressure (long	Cilias - Billian	19.30
term LAeq,T) measured over the duration of the		
song is lower than the average produced by the	The state of the s	1013
programme simulation noise, the warning does not		The same
need to be given as long as the average sound		
pressure of the song is below the basic limit of 85		D.
dBA. In this case T becomes the duration of the		11030
song.	The state of the s	
NOTE 4 Classical music typically has an average		$\sim V$
sound pressure (long term LAeq,T) which is much		3/3 .
lower than the average programme simulation	2.1	
noise. Therefore, if the player is capable to analyse		CIL
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	and the same of the same	179
song is below the basic limit of 85 dBA.		6477
For example, if the player is set with the programme		The state of the s
simulation noise to 85 dBA, but the average music	THE PARTY OF THE P	
level of the song is only 65 dBA, there is no need to give a warning or ask an acknowledgement as long		16.77
as the average sound level of the song is not above	THE PARTY OF THE P	and the same of
the basic limit of 85 dBA.		_ (

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IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict

1 1	IEC 60950-1, GROUP DIFFERENCES (CENELEC common modification	
	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: "To prevent possible hearing damage, do not listen at high volume levels for long periods." 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	N/A
	higher level.	11111
	Zx.4 Requirements for listening devices (headphones and earphones) 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 N/A
	NOTE The values of 94 dBA – 75 mV correspond with 85dBA – 27 mV and 100 dBA – 150 mV.	



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IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict

	IEC 60950-1, GROUP DIFFERENCES (CENELEC common modif	N/A
	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. 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.).	
m18	NOTE An example of a wired listening device with digital input is a USB headphone.	THE PERSON NAMED IN
	In wireless mode: with any playing and transmitting device playing the fixed programme simulation noise described in EN 50332-1; and respecting the wireless transmission standards, where an air interface standard exists that specifies the equivalent acoustic level; and with volume and sound settings in the listening device (for example built-in volume level control, additional sound feature like equalization, etc.) set to the combination of positions that maximize the measured acoustic output for the abovementioned programme simulation noise, the acoustic output LAeq,T of the listening device shall be ≤ 100 dBA.	N/A
10	NOTE An example of a wireless listening device is a Bluetooth headphone.	
	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/A
ملك	NOTE Test method for wireless equipment provided without listening device should be defined.	



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IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict

2.7.1	IEC 60950-1, GROUP DIFFERENCES (CENELEC common modif	N/A
Elim-	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 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.	N/A
	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.	
2.7.2	This subclause has been declared 'void'.	N/A
3.2.3	Delete the NOTE in Table 3A, and delete also in this table the conduit sizes in parentheses.	N/A
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".	N/A
	In Table 3B, replace the first four lines by the following:	
	Up to and including 6 0,75 a) Over 6 up to and including 10 (0,75) b) 1,0 Over 10 up to and including 16 (1,0) c) 1,5	
	In the conditions applicable to Table 3B delete the words "in some countries" in condition ^{a)} .	TO BE
	In NOTE 1, applicable to Table 3B, delete the second sentence.	

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IEC 60950-1			The state of the s
Clause	Requirement + Test	Result - Remark	Verdict

	IEC 60950-1, GROUP DIFFERENCES (CENELEC	common modifications EN)
3.3.4	In Table 3D, delete the fourth line: conductor sizes for 10 to 13 A, and replace with the following:	N/A
	Over 10 up to and including 16 1,5 to 2,5 1,5 to 4	TOTAL TOTAL STATE OF THE PARTY
	Delete the fifth line: conductor sizes for 13 to 16 A	The state of the s
4.3.13.6	Replace the existing NOTE by the following:	N/A
(A1:2010)	NOTE Z1 Attention is drawn to:	The same of the sa
	1999/519/EC: Council Recommendation on the limitation of exposure of the general public to electromagnetic fields 0 Hz to 300 GHz, and	TOTAL COLUMN TOTAL
	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.	N/A
Annex H	Replace the last paragraph of this annex by:	N/A
	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:	TO STATE OF THE PARTY OF THE PA
	NOTE These values appear in Directive 96/29/Euratom.	THE REAL PROPERTY.
	Delete NOTE 2.	Dis - Com - Com
Bibliograp hy	Additional EN standards.	- min -

ZA NORMATIVE REFERENCES TO INTERNATIONAL PUBLICATIONS WITH THEIR — CORRESPONDING EUROPEAN PUBLICATIONS

ZB ANNEX (NORMATIVE) SPECIAL NATIONAL CONDITIONS (EN)			
Clause	Requirement + Test	Result - Remark	Verdict
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.	TO THE TOWN	N/A



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IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict

ZB ANNEX (NORMATIVE) SPECIAL NATIONAL CONDITIONS (EN)			
Clause	Requirement + Test	Result - Remark	Verdict
1.2.13.14 (A11:2009	In Norway and Sweden , for requirements see 1.7.2.1 and 7.3 of this annex.	COLUMN TO SERVICE STATE OF THE PARTY OF THE	N/A
1.5.7.1 (A11:2009)	In Finland, Norway and Sweden , resistors 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 resistor is used, the resistor must withstand the resistor test in 1.5.7.2.		N/A
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).	THE REAL PROPERTY.	N/A
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.	TO TOWN	N/A



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IEC 60950-1			a College
Clause	Requirement + Test	Result - Remark	Verdict

I WILL	ZB ANNEX (NORMATI	VE)	
2	SPECIAL NATIONAL CONDIT	IONS (EN)	
Clause	Requirement + Test	Result - Remark	Verdict
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/A
	The marking text in the applicable countries shall be as follows:		TO STATE OF THE PARTY OF THE PA
1	In Finland : "Laite on liitettävä suojakoskettimilla varustettuun pistorasiaan"	Mary Mary	
	In Norway : "Apparatet må tilkoples jordet stikkontakt"	TOTAL TOTAL	THE REAL PROPERTY.
1.7.2.1	In Sweden : "Apparaten skall anslutas till jordat uttag"	DI TOUR DE	O DE LA
(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.		
	It is however accepted to provide the insulation external to the equipment by an adapter or an interconnection cable with galvanic isolator, which may be provided by e.g. a retailer.		
	The user manual shall then have the following or similar information in Norwegian and Swedish language respectively, depending on in what country the equipment is intended to be used in:		
	"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)."		



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IEC 60950-1			
Clause	Requirement + Test	Result - Remark	Verdict

	ZB ANNEX (NORMATI	VE)			
ایدو	SPECIAL NATIONAL CONDITIONS (EN)				
Clause	Requirement + Test	Result - Remark	Verdict		
	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.		N/A		
	Translation to Norwegian (the Swedish text will also be accepted in Norway):		TO TO		
	"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."				
	Translation to Swedish: "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 galvanisk isolator finnas mellan utrustningen och				
1.7.2.1 (A2:2013)	kabel-TV nätet." 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.		N/A		
	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."		TO TO THE REAL PROPERTY.		
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.		N/A		
1.7.5 (A11:2009	For CLASS II EQUIPMENT the socket outlet shall be in accordance with Standard Sheet DKA 1-4a.	THE PERSON NAMED IN	THE THE		



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IEC 60950-1			The state of the s
Clause	Requirement + Test	Result - Remark	Verdict

	ZB ANNEX (NORMATIV	VE)	
-01	SPECIAL NATIONAL CONDIT	IONS (EN)	
Clause	Requirement + Test	Result - Remark	Verdict
1.7.5 (A2:2013)	In Denmark , socket-outlets for providing power to other equipment shall be in accordance with the DS 60884-2-D1:2011. For class I equipment the following Standard Sheets are applicable: DK 1-3a, DK 1-1c, DK 1-1d, DK 1-5a or DK 1-7a, with the exception for STATIONARY EQUIPMENT where the socket-outlets shall be in accordance with Standard Sheet DK 1-1b, DK 1-1c, DK 1-1d or DK 1-5a. Socket outlets intended for providing power to Class II apparatus with a rated current of 2,5 A shall be in accordance with DS 60884-2-D1 standard sheet DKA 1-4a. Other current rating socket outlets shall be in compliance with by DS 60884-2-D1 Standard Sheet DKA 1-3a or DKA 1-3b. Justification the Heavy Current Regulations, 6c	the DS d ption ocket- Sheet to S A	N/A
2.2.4	In Norway , for requirements see 1.7.2.1, 6.1.2.1 and 6.1.2.2 of this annex.		N/A
2.3.2	In Finland, Norway and Sweden there are additional requirements for the insulation. See 6.1.2.1 and 6.1.2.2 of this annex.		N/A
2.3.4	In Norway , for requirements see 1.7.2.1, 6.1.2.1 and 6.1.2.2 of this annex.	TO TO THE REAL PROPERTY.	N/A
2.6.3.3	In the United Kingdom , the current rating of the circuit shall be taken as 13 A. not 16 A.	TOWN THE PARTY OF	N/A
2.7.1	circuit shall be taken as 13 A, not 16 A. 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.		N/A
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.	TOWN TOWN	N/A
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		N/A



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The second		IEC 60950-1	The state of the s
Clause	Requirement + Test	Result - Remark	Verdict

	ZB ANNEX (NORMAT		
	SPECIAL NATIONAL CONDI		COURS -
Clause	Requirement + Test	Result - Remark	Verdict
	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,		
3.2.1.1	In Denmark , supply cords of single-phase equipment having a rated current not exceeding 13 A shall be provided with a plug according to the Heavy Current Regulations, Section 107-2-D1.		N/A
	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.		



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IEC 60950-1			a College
Clause	Requirement + Test	Result - Remark	Verdict

	ZB ANNEX (NORMATI		
	SPECIAL NATIONAL CONDIT		COLUMN TO THE PARTY OF THE PART
Clause	Requirement + Test	Result - Remark	Verdict
3.2.1.1 (A2:2013)	In Denmark , supply cords of single-phase equipment having a rated current not exceeding 13 A shall be provided with a plug according to DS 60884-2-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 a single-phase equipment having a RATED CURRENT exceeding 13 A or if a poly-phase equipment is provided with a supply cord with a plug, this plug shall be in accordance with the standard sheets DK 6-1a in DS 60884-2-D1 or EN 60309-2. Justification the Heavy Current Regulations, 6c		N/A
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/A
	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.	TODAY TODAY	
	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.		B THE
3.2.1.1	In the United Kingdom , apparatus which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to BS 1363 by means of that flexible cable or cord and plug, shall be fitted with a 'standard plug' in accordance with Statutory Instrument 1768:1994 - The Plugs and Sockets etc. (Safety) Regulations 1994, unless exempted by those regulations.		N/A
	NOTE 'Standard plug' is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.		



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IEC 60950-1			THE PARTY
Clause	Requirement + Test	Result - Remark	Verdict

	ZB ANNEX (NORMATI	VE)			
-	SPECIAL NATIONAL CONDITIONS (EN)				
Clause	Requirement + Test	Result - Remark	Verdict		
3.2.1.1	In Ireland , apparatus which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to I.S. 411 by means of that flexible cable or cord and plug, shall be fitted with a 13 A plug in accordance with Statutory Instrument 525:1997 - National Standards Authority of Ireland (section 28) (13 A Plugs and Conversion Adaptors for Domestic Use) Regulations 1997.		N/A		
3.2.4	In Switzerland , for requirements see 3.2.1.1 of this annex.		N/A		
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 PARTY OF THE P	N/A		
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 mm² to 1,5 mm² nominal cross-sectional		N/A		
CALLE	area.		S COURT		
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.		N/A		
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/A		

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IEC 60950-1			THE PARTY OF
Clause	Requirement + Test	Result - Remark	Verdict

	ZB ANNEX (NORMATIVE) SPECIAL NATIONAL CONDITIONS (EN)			
Clause	Requirement + Test	Result - Remark	Verdict	
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:		N/A	
	STATIONARY PLUGGABLE EQUIPMENT TYPE A that is intended to be used in a RESTRICTED ACCESS LOCATION where equipotential bonding has been applied, for example, in a telecommunication centre; and has provision for a permanently connected PROTECTIVE EARTHING CONDUCTOR; and is provided with instructions for the installation of that conductor by a SERVICE PERSON;			
	• STATIONARY PLUGGABLE EQUIPMENT TYPE B;	THE PERSON WAS A	TO THE REAL PROPERTY.	
	• STATIONARY PERMANENTLY CONNECTED EQUIPMENT.		The Contract of the Contract o	

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IEC 60950-1			THE PERSON OF TH
Clause	Requirement + Test	Result - Remark	Verdict

	ZB ANNEX (NORMATIV	VE)	
SPECIAL NATIONAL CONDITIONS (EN)			
Clause	Requirement + Test	Result - Remark	Verdict
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:	TO TO THE OWNER OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER OW	N/A
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either		ED E
	- two layers of thin sheet material, each of which shall pass the electric strength test below, or	TOD TO	TO TO
	- one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	THE REAL PROPERTY.	
	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		
	- 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	THE REAL PROPERTY.	
	2.10.10 shall be performed using 1,5 kV), and		MUL
	- is subject to ROUTINE TESTING for electric strength during manufacturing, using a test voltage of 1,5 kV.		TO THE PARTY OF



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IEC 60950-1			TO THE REAL PROPERTY.
Clause	Requirement + Test	Result - Remark	Verdict

ZB ANNEX (NORMATIVE) SPECIAL NATIONAL CONDITIONS (EN)			
Clause	Requirement + Test	Result - Remark	Verdict
TO S	It is permitted to bridge this insulation with an optocoupler complying with 2.10.5.4 b).	THE PARTY OF THE P	N/A
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.		D T T
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:		
	- the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, 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;		
	- the additional testing shall be performed on all the test specimens as described in EN 60384-14:		D COL
	- the impulse test of 2,5 kV is to be performed before the endurance test in EN 60384-14, in the sequence of tests as described in EN 60384-14.		



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IEC 60950-1					
Clause	Requirement + Test	Result - Remark	Verdict		

	ZB ANNEX (NORMATI	VE)	
المدود	SPECIAL NATIONAL CONDIT	IONS (EN)	
Clause	Requirement + Test	Result - Remark	Verdict
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:	TO TO THE OWNER OF THE OWNER OWNER OF THE OWNER OWNER OF THE OWNER OW	N/A
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either		ED E
	- two layers of thin sheet material, each of which shall pass the electric strength test below, or	TO THE REAL PROPERTY.	TO TO
	- one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	THE REAL PROPERTY.	
	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		
	- 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	THE REAL PROPERTY.	
	2.10.10 shall be performed using 1,5 kV), and		403
	- is subject to ROUTINE TESTING for electric strength during manufacturing, using a test voltage of 1,5 kV.		TO THE STATE OF



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IEC 60950-1				
Clause	Requirement + Test	Result - Remark	Verdict	

	ZB ANNEX (NORMATI	VE)			
SPECIAL NATIONAL CONDITIONS (EN)					
Clause	Requirement + Test	Result - Remark	Verdict		
	It is permitted to bridge this insulation with an optocoupler complying with 2.10.5.4 b).		N/A		
	It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2.				
	A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions:				
	the insulation requirements are satisfied by having a capacitor classified Y3 as defined by EN 60384-14, 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;				
	- the additional testing shall be performed on all the test specimens as described in EN 60384-14:				
	- 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.				
6.1.2.2	In Finland, Norway and Sweden, the exclusions are applicable for PERMANENTLY CONNECTED EQUIPMENT, PLUGGABLE EQUIPMENT TYPE B and equipment intended to be used in a RESTRICTED ACCESS LOCATION where equipotential bonding has been applied, e.g. in a telecommunication centre, and which has provision for a permanently connected PROTECTIVE EARTHING CONDUCTOR and is provided with instructions for the installation of that conductor by a SERVICE PERSON.		N/A		
7.2	In Finland , Norway and Sweden , for requirements see 6.1.2.1 and 6.1.2.2 of this annex.		N/A		
	The term TELECOMMUNICATION NETWORK in 6.1.2 being replaced by the term CABLE DISTRIBUTION SYSTEM.	THE TOTAL STATE OF			
7.3 (A11:2009	In Norway and Sweden , for requirements see 1.2.13.14 and 1.7.2.1 of this annex.	II GEORGE II	N/A		



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IEC 60950-1				
Clause	Requirement + Test	Result - Remark	Verdict	

Annex ZD (informative)

IEC and CENELEC code designations for flexible cords

Type of flexible cord	Code des	ignations
	IEC	CENELEC
PVC insulated cords		I De Wills
Flat twin tinsel cord	60227 IEC 41	H03VH-Y
Light polyvinyl chloride sheathed flexible cord	60227 IEC 52	H03VV-F
		H03VVH2-F
Ordinary polyvinyl chloride sheathed flexible cord	60277 IEC 53	H05VV-F
Comment of the contract of the		H05VVH2-F
Rubber insulated cords		
Braided cord	60245 IEC 51	H03RT-F
Ordinary tough rubber sheathed flexible cord	60245 IEC 53	H05RR-F
Ordinary polychloroprene sheathed flexible cord	60245 IEC 57	H05RN-F
Heavy polychloroprene sheathed flexible cord	60245 IEC 66	H07RN-F
Cords having high flexibility	The same	3 12 -00
Rubber insulated and sheathed cord	60245 IEC 86	H03RR-H
Rubber insulated, crosslinked PVC sheathed cord	60245 IEC 87	H03RV4-H
Crosslinked PVC insulated and sheathed cord	60245 IEC 88	H03V4V4-H



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1.5.1	TABLE: List of critical components				
Object/part No.	Manufacturer/ trademark	Type/model	Technical data	Standard (Edition / year)	Mark(s) of conformit y ¹)
Battery	Dongguan Wiliyoung Electronic Co., Ltd	602040	3.7V, 400mAh	IEC 62133:2012	Test report: JPTUV- 084482
РСВ	Huizhou China Ea gle Electronic Tec hnology Co., Ltd	FR4	V-0, 130 ℃	UL796 UL94	UL (E170968
РСВ	Interchangeable	Interchangea ble	V-0, 130 ℃	UL796 UL94	UL
Internal lead wire	Interchangeable	Interchangea ble	VW-1, Min 300V, min.80℃, 26AWG	UL758	UL
Enclosure	Ningbo sisley electric appliance co.,ltd	ABS+PC	Min.thickness 2,0mm	IEC/EN 60335-1 IEC/EN 60335-2- 23	Tested with appliance
Supplementar	y information:	The same	The same of the sa		MAN TO THE

1.6.2	TABLE: EI	TABLE: Electrical data (in normal conditions)					
U (V)	I (A)	Irated (A)	P (W)	Fuse #	I(A)	Condition/statu	S
5	1.4	1.5	7.0	TOP-	(#D)	Normal Used	13-
Supplemen	Supplementary information: The EUT was powered by internal battery						

2.1.1.5 c) TABLE: ma	ax. V, A, VA test	STATE OF THE PARTY		N	
Voltage (rated) (V)	Current (rated) (A)	Voltage (max.) (V)	Current (max.) (A)	VA (max.) (VA)	
COLD - LONG	- Bullet	The same of the sa	33 - 000	The same of the sa	
supplementary information:					

2.1.1.5 c) TABLE: std 2)	TABLE: stored energy				
Capacitance C (µF)	Voltage U (V)	Energy E (J)			
يرمس والم		1000			
supplementary information	on:				
	The same of the sa	The state of the s			

2.2 TABLE: evaluation of voltage limiting components in SELV circuits					
Component (measured between)		Itage (V)	Voltage Limiting Components		
	V peak	V d.c.			
	(Miles	J The			



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Fault test performed on voltage limiting components	Voltage measured (V) in SELV circuits (V peak or V d.c.)
The state of the s	
supplementary information:	
	The state of the s

2.5	TABLE: Limited power sources							
Circuit outpu	it tested: For battery	package only	De Line		LAUR'S	- B		
Note: Measu	red Uoc (V) with all	load circuits disc	connected:	3 150	89 - 6	100		
Componen Sample No.		Uoc (V)	l _{sc} (A)	VA			
เธ			Meas.	Limit	Meas.	Limit		
1	Jan Marie	- FILLS	-100	100		CATTIES .		
- III-	- Time	1033 L	1000	Time-	(111)	70 (
supplementa	ry information:			<u> </u>				
Sc=Short cire	cuit, Oc=Open circu	it	De la la	The same of the sa	COLUMN TO SERVICE OF THE PARTY			
_PS power s	upply for charging s	hould be used.						

2.10.2 Table: working volta	Table: working voltage measurement							
Location	RMS voltage (V)	Peak voltage (V)	Comments					
1000		3 RUD	-0 00-00					
supplementary information:								

2.10.3 and TABLE: Clearance and creepage distance measurements 2.10.4							
Clearance (cl) and creepage distance (cr) at/of/between:	U peak (V)	U r.m.s. (V)	Required cl (mm)	cl (mm)	Required cr (mm)	cr (mm)	
Functional:	J (The same of the sa	The same	3) -	1000 TO	Billing	
	-11.	CI WILL	-63	-000	- 100		
Basic/supplementary:		المحمد المثلاثا	The same	3		CALL	
		- Ellin	-11	- Till	- 600		
Reinforced:	Um	ا مر دو	The same	100	103	UR.	
The state of the s		-100	a Bring	- FEZ	- 6000	_ (10)	
Supplementary information:	8000		The same	The same	M CO	33	

2.10.5 TABLE: Distance through insulation measurements							
Distance through insulation (DTI) at/of:	U peak (V)	U rms (V)	Test voltage (V)	Required DTI (mm)	DTI (mm)		
	- 600	-	+1000	- 0	- 100 B		
Supplementary information:		(11)	-01		TO B		



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4.3.8	TABLE: Batteries							STILL	Р
The tests of data is not		applicable	only when ap	propriate t	oattery	Will Fill	TO TO	I PO	W.O.B.
Is it possib	le to install	the batter	in a reverse	polarity po	sition?	No	W -	MAIN	(-
A COLUMN TO THE PARTY OF THE PA	Non-rechargeable batteries					Rechargea	ble batteri	es	
	Discharging Un- intentional		intentional	Cha	rging	Disch	narging		ersed rging
	Meas. current	Manuf. Specs.	charging	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.
Max. current during normal condition				200mA	400 mA	200mA	400 mA		
Max. current during fault condition	COLL			200mA	400 mA	200mA	400 mA		
D C	Chine .	THE PARTY	THE STATE OF	_ (PU)	ير لا	Billion	1	COLD .	33 -
Test result	s:	100		1973	630	(3)			Verdict
- Chemical	leaks	of the	- E	(III)	3	CHILD .	CI W	TO STATE OF	Р
- Explosion	of the bat	tery			W. S.	-a 0			Р
- Emission	of flame o	r expulsion	of molten me	tal) (1077	of Fills	Town.	Р
- Electric strength tests of equipment after completion of tests					tests	(41)	20	ARTICLE	N

4.5	TABLE: Thermal re	equirements	000	O PU		De la	1000	Р
1	The state of the s	CARS .		4	No.	10 50	1110	
Ulling	Supply voltage (V =)	: 5	.0			(a)	
20	Ambient T _{min} (°C)		: 40).2	Bring	W V	THE PARTY OF	
Miles	Ambient T _{max} (°C)		: 40	0.1	N W		1	
Maximum	n measured temperature	e T of part/at:	:		T (°C	C)	,	Allowed T_{max} ($^{\circ}$ C)
PCB (nea	ar DC input terminal)	The same	47	' .9	33	L. Million	Jan W	130
Internal w			44	1.9	(100)		M. Die	105
PCB near	r CPU	San	41	.8	3	CL TITE	7 800	130
Battery bo	ody	O B	46	6.6	CT BU			60
PCB boar	rd of battery package	MILLION TO	42	2.2	0	TIES .	THE PARTY	130
Enclosure	e surface	THE PERSON NAMED IN	42	2.2	1 Em	(IIm)	3	95
Screen surface			40	0.8	100	3	THE ST	60
Suppleme	entary information:	CALL DE		CO.	W P	earns)	5	11177
Temperat	ture T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	$R_2(\Omega)$	T(°C)	Allowed T_{max} (°C)	Insulatio n class



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2 TOTAL STATE OF THE PARTY OF T	107 m	OF .	- N	Con-	10 A	- TOTAL	3
Supplementary information:	TITLE	7	2400	1	No. of Contract of	3	COUNTY OF
Test condition:							
A: input: 5Vdc, 1.5A. Notes: The EU	JT was pov	wered by i	nternal ba	ttery.		J. Millian	

4.5.5	.5.5 TABLE: Ball pressure test of thermoplastic parts					
	Allowed impression diameter (mm) ≤	2 mm	Will P			
Part		Test temperature (°C)	Impression (mi			
		(M) - (M)	100	Militar		
Supplem	entary information:	CITIES .	S. Caller	- N		

4.7 TABL	E: Resistance to fire	1000	The same	CITE OF	N
Part	Manufacturer of material	Type of material	Thickness (mm)	Flammability class	Evidence
	- The state of the	-100	(P)		- CO 1000
Supplementary info	ormation:	THE RESERVE	3 - 0	130	Will be a second

5.1 TABLE: touch curr	ent measuremen	tO	N
Measured between:	Measured (mA)	Limit (mA)	Comments/conditions
THE PARTY OF THE P		COLUMN TO THE PARTY OF THE PART	The state of the s
supplementary information:			
33 - 1033 - 13		emay -	The same of the sa

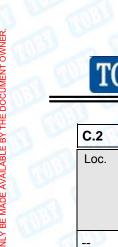
5.2 TABLE: Electric strength tests	TABLE: Electric strength tests, impulse tests and voltage surge tests						
Test voltage applied between:	Voltage shape (AC, DC, impulse, surge)	t voltage (V) Breakdo wn Yes / No					
Functional:		0.033					
	The state of the s	m					
Basic/supplementary:	CON THE PROPERTY OF	The same					
- 100		- TO 1					
Reinforced:	The state of the s						
THE PARTY OF THE P		Comment of the second					
Supplementary information:		The state of the s					



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5.3	TABLE: Fault condition tests									
67	Ambient temperature (°C) : 25.1 – 25.3									
033	Power source for EUT: Manufacturer, model/type, output rating:									
Com- ponent No.	Fault	Supply voltage (Vdc)	Test time	Fuse #	Fuse current (A)	Observation				
output	S-C	5	10min	-a \	1.0	No hazard, recoverable	- 0111			

Notes: The EUT was powered by approved internal battery.



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C.2	TABLE: transformers							
Loc.	Tested insulation	Working voltage peak / V	Working voltage rms / V	Required electric strength	Required clearance / mm	Required creepage distance / mm	Required distance thr. insul.	
		(2.10.2)	(2.10.2)	(5.2)	(2.10.3)	(2.10.4)	(2.10.5)	
	Ellin D.	-1133	- (41)	<u> </u>		3 13	THE STATE OF THE S	
Loc.	Tested insulation			Test voltage/ V	Measured clearance / mm	Measured creepage dist./ mm	Measured distance thr. insul. / mm; number of layers	
400	- The same of the			7.2	- Cillian	- 1 m	- Time	
suppleme	ntary information:							

C.2	TABLE: transformers	THE PARTY OF	The same	3	MISTS.	N
Transformer			THE REAL PROPERTY.	CTITES !		100



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EUT Photos

Photo 1: Overview of EUT



Photo 2: Overview of EUT



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Photo 4: Internal view of EUT



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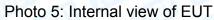




Photo 6: Internal view of EUT



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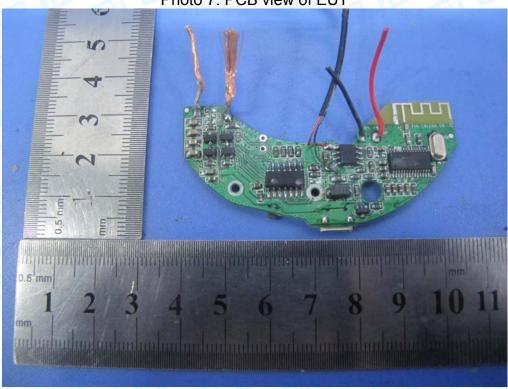
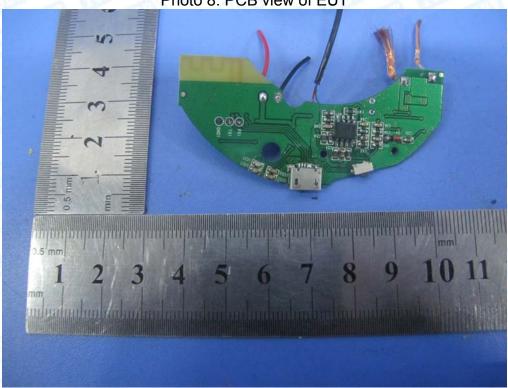


Photo 8: PCB view of EUT



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Photo 10: Overview of EUT for SL207



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--End of Report--