

TEST REPORT

Reference No.)• st	WTF20S03013047Y
Applicant	1,100	Mid Ocean Brands B.V.
Address	NJE!	7/F., Kings Tower, 111 King Lam Street, Cheung Sha Wan, Kowloo Hong Kong
Manufacturer	•	103221
Product		Bluetooth Speaker
Model(s)	<u>.</u> :	MO9260
Total pages	$z_{t_{t}}$	51 pages and 4 pages of photo.
Standards	oreni Lik	☐ IEC 60950-1:2005 2 Ed.+A1:2009+A2:2013 ☐ EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 Information technology equipment – Safety – Part 1: General requirements
Date of Receipt sample		2020-04-08
Date of Test	4	2020-04-08 to 2020-04-16
Date of Issue	: 8	2020-07-07

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

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Compiled by:

Grate Jeng

Grace Feng / Project Engineer

Test Result.....

Approved by:

The tested items conformed to the requirements of the standard

Philo Zhong / Manager



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Test item description...... Bluetooth Speaker

Trademark MOB

Model and/or type reference MO9260

Remark:

Whether parts of tests for the product have been subcontracted to other labs:

☐ Yes

✓ No.

If Yes, list the related test items and lab information:

Test items:

Lab information:

Summary of testing:

Does not evaluate the test items for lithium batteries in clause 1.5 and clause 4.3.8. The tested items conformed to the requirements of the standard.

Copy of marking plate:



Remark:

- 1. Above label for reference only, final label marking on product shall contain the information at least.
- 2. The height of CE mark shall be at least 5mm, the height of WEEE mark shall be at least 7mm.



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Test item particulars	Will My My And A Set LES
Equipment mobility	
at the text of the	☐ for building-in ☐ direct plug-in
Connection to the mains:	☐ pluggable equipment ☐ type A ☐ type B
ar at the fift of	permanent connection
LIER WITE MITE WILL WALL WALL	detachable power supply cord
The state of the s	☐ non-detachable power supply cord
EX LIEX OLIER WITE WHILE WALL	□ not directly connected to the mains
Operating condition:	⊠ continuous
- TEX LIEX NITER WITE WITE WITE	☐ rated operating / resting time: 90 sec ON / 30 min OFF
Access location:	□ operator accessible □
LEK TEK TEK TEK MITER MITER MITER	☐ restricted access location
Over voltage category (OVC):	□ OVC I □ OVC II □ OVC IV ⋈ other:
Mains supply tolerance (%) or absolute mains supply values	N/A
Tested for IT power systems	N/A TITLE MALL MALL MALL MALL MALL MALL MALL MA
IT testing, phase-phase voltage (V):	N/A
Class of equipment:	☐ Class I ☐ Class II ☐ Not classified
Considered current rating of protective device as part of the building installation (A):	N/A WAR THE THE THE THE MITTER
Pollution degree (PD):	□ PD 1 ⊠ PD 2 □ PD 3
IP protection class:	IPX0
Altitude during operation (m)	Up to 2000
Altitude of test laboratory (m):	Below 2000
Mass of equipment (kg)	Approximately 0.08Kg.
Test case verdicts	The state of the s
Test case does not apply to the test object .:	N (N/A)
Test item does meet the requirement:	P (Pass)
Test item does not meet the requirement:	F (Fail)
Testing	min in the second
Date of receipt of test item:	2020-04-08
Date(s) of performance of test:	2020-04-08 to 2020-04-16
General remarks:	the the the attention with mail mill
The test result presented in this report relate this report shall not be reproduced, except in laboratory.	only to the object(s) tested. full, without the written approval of the Issuing testing
"(see Enclosure #)" refers to additional inform "(see appended table)" refers to a table appear	
Throughout this report a ☐ comma / ☒ po	oint is used as the decimal separator.
General product information: 1) The equipment with model MO9260 is Blue 2) The maximum ambient temperature specifications.	



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t TEX	IEC/EN 609	50-1	CEL C
Clause	Requirement – Test	Result – Remark	Verdict
104	GENERAL	LEK TEK TEK STEK STEK	P
1.5	Components	his and any any	Р
1.5.1	General	et tet itet sitet sitet mite	Р
EK WALTE	Comply with IEC 60950-1 or relevant component standard	(See appended table 1.5.1) Does not evaluate the test items for lithium batteries in clause 1.5	TEK P
1.5.2	Evaluation and testing of components	A SH TEK ITEK ITE	Р
1.5.3	Thermal controls	inite was we will all	N
1.5.4	Transformers	No such components	Ń
1.5.5	Interconnecting cables	LIFE WILL MALL WILL WILL	N
1.5.6	Capacitors bridging insulation	No such capacitors	N
1.5.7	Resistors bridging insulation	ile de la company	N
1.5.7.1	Resistors bridging functional, basic or supplementary insulation	THE MITER WALTER WAY	CT N
1.5.7.2	Resistors bridging double or reinforced insulation between a.c. mains and other circuits	nifek whitek whitek white	Ne
1.5.7.3	Resistors bridging double or reinforced insulation between a.c. mains and antenna or coaxial cable	TEX WHITEK WHITEK WHITEK	MALI N
1.5.8	Components in equipment for IT power systems	WILLER MATER WATER WHITE M	N
1.5.9	Surge suppressors	No such components	N S
1.5.9.1	General	with only war we will	N
1.5.9.2	Protection of VDRs	TEN TEN	N
1.5.9.3	Bridging of functional insulation by a VDR	With the way	N N
1.5.9.4	Bridging of basic insulation by a VDR	the state of the s	N
1.5.9.5	Bridging of supplementary, double or reinforced insulation by a VDR	The man who was a	N
MUL	Mur Aug In Et Le	* LIEK NIEK WILL WHILL MY	r, W
1.6	Power interface	m m	Р
1.6.1	AC power distribution systems	TEX STIES STIES SINTE	JUN
1.6.2	Input current	(See appended table 1.6.2) The steady state input current of the equipment did not exceed the RATED CURRENT by more than 10% under NORMAL LOAD.	antiek antiek
1.6.3	Voltage limit of hand-held equipment	m m	Р
1.6.4	Neutral conductor	Class III equipment.	N
1.7	Marking and instructions	A ST SET SET SET	Р
7.1	Iviai king and instructions	The state of the s	Jul P

Power rating and identification markings

1.7.1



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Clause	Requirement – Test	Result – Remark	Verdict
Clause	Requirement – Test	Result – Remark	verdict
1.7.1.1	Power rating marking	LET TEX TEX STEE	P
	Multiple mains supply connections	into the the	N
LIE JAL	Rated voltage(s) or voltage range(s) (V):	5V	II NIP
, ,	Symbol for nature of supply, for d.c. only:	= nr nr nr	Р
WALTE	Rated frequency or rated frequency range (Hz)	t inter writer writer write	W I N
TEX	Rated current (mA or A)	0.5A	P
1.7.1.2	Identification markings	write write was with	n, nb
INLIEK W	Manufacturer's name or trade-mark or identification mark	MOB	ALTEK WALPE
at a	Model identification or type reference	MO9260	, P
MUL	Symbol for Class II equipment only	Class III equipment.	NOV NOV
+ 11+	Other markings and symbols		F P
1.7.1.3	Use of graphical symbols	nite militanti	un P
1.7.2	Safety instructions and marking	Silver St. St.	P.
1.7.2.1	General	a cuter white white	Mr. M.B
1.7.2.2	Disconnect devices	Class III equipment.	N N
1.7.2.3	Overcurrent protective device	TEN STEP WITE WALL W	N.
1.7.2.4	IT power distribution systems		et AtN
1.7.2.5	Operator access with a tool	CLIEB WILL WALL WALL	W N
1.7.2.6	Ozone	The state of	N.
1.7.3	Short duty cycles	Continuous	m M
1.7.4	Supply voltage adjustment	24 24 St	NX NX
in M	Methods and means of adjustment; reference to installation instructions	Hill Will A	IL ALN
1.7.5	Power outlets on the equipment	No standard power outlets	N.
1.7.6	Fuse identification (marking, special fusing characteristics, cross-reference		L N
1.7.7	Wiring terminals	Write Mr. Mr. Mr.	N
1.7.7.1	Protective earthing and bonding terminals	at at all all	N.C
1.7.7.2	Terminals for a.c. mains supply conductors	WILL MULL MULL MU	n N
1.7.7.3	Terminals for d.c. mains supply conductors	at the test state	TEL TIN
1.7.8	Controls and indicators	life whi whi wi	Р
1.7.8.1	Identification, location and marking	a state of	EL TEN
1.7.8.2	Colours	White Mary Mary Mus	P
1.7.8.3	Symbols according to IEC 60417	at at at all	N.
1.7.8.4	Markings using figures	writ mr. mr. mi	N
1.7.9	Isolation of multiple power sources	No multiple power source	N ^e
1.7.10	Thermostats and other regulating devices:	No such parts	N N



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IEC/EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict
1.7.11	Durability	Rubbing test for 15s with water then for 15s with petroleum spirit, no curling and legible after test	UN P
1.7.12	Removable parts	TEX SLIER WITE WHITE WHITE	N V
1.7.13	Replaceable batteries	The second second	←N
MUL	Language	t lifet outer wife while w	N ₁
1.7.14	Equipment for restricted access locations		L N

2	PROTECTION FROM HAZARDS		P+
2.1	Protection from electric shock and energy haz	zards	W P
2.1.1	Protection in operator access areas	Class III equipment, no hazardous voltages generated.	LIEN N
2.1.1.1	Access to energized parts	The Man which are	N
OLIE	Test by inspection	- TEX TEX STIES ON	N
20	Test with test finger (Figure 2A)	Mr. Mr. M. M.	N
WILLER V	Test with test pin (Figure 2B)	TEK TEK LIFEK DUTE	N
20, 0	Test with test probe (Figure 2C)	No TNV present.	N
2.1.1.2	Battery compartments	THE TEX STEEL STEEL STEEL	ν̈́N
2.1.1.3	Access to ELV wiring	No ELV circuit	N
WALTE	Working voltage (Vpeak or Vrms); minimum distance through insulation (mm)	NITER WITER WATER WAITER W	J. Nu
2.1.1.4	Access to hazardous voltage circuit wiring	No such component	× N
2.1.1.5	Energy hazards	. Class III equipment.	N
2.1.1.6	Manual controls	The state of the s	N
2.1.1.7	Discharge of capacitors in equipment	all with the sunting	n N
LEX S	Measured voltage (V);time-constant (s)		TEX.
2.1.1.8	Energy hazards – d.c. mains supply	TEN TO THE TOTAL THE T	N 2
y Whiteh	a) Capacitor connected to the d.c. mains supply	tex liet nifet milet mi	SEL N
SLIEK	b) Internal battery connected to the d.c. mains supply:	The the tex tex tex	N
2.1.1.9	Audio amplifiers	Mer Mur Mur My My	N
2.1.2	Protection in service access areas	A SH SH SH SH	N
2.1.3	Protection in restricted access locations	The wife we want	N

2.2	SELV circuits	MULL MULL MULL AND AND AND	Р
2.2.1	General requirements	SELV levels are maintained after single fault condition.	PLIE
2.2.2	Voltages under normal conditions (V)	Max. <42.4 Vpk / 60 VDC	Pot
2.2.3	Voltages under fault conditions (V)	Max. <42.4 Vpk / 60 VDC	√n P



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t jet	IEC/EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict	
2.2.4	Connection of SELV circuits to other circuits	SELV circuits are only connected to other secondary circuits. SELV circuit and all interconnected circuits separated from primary by reinforced insulation. The SELV circuit does not exceed the SELV limits under normal and fault conditions.	MP MILEX	
	THE THE THE STEEL STEEL STEEL SHALL	Mur Mur My My	+ <	
2.3	TNV circuits	Light will write while	N	
2.3.1	Limits	No TNV circuits	N_	
الارزار	Type of TNV circuits	· tet tet tree tree are	N	
2.3.2	Separation from other circuits and from accessible parts	it was an an an	N	
2.3.2.1	General requirements	the way were	N	
2.3.2.2	Protection by basic insulation	the state of	N.	
2.3.2.3	Protection by earthing	Write Muris Mur My	N	
2.3.2.4	Protection by other constructions	at the text of	N	
2.3.3	Separation from hazardous voltages	White white when when	20 N	
TEX	Insulation employed	the state of the s	N	
2.3.4	Connection of TNV circuits to other circuits	ITE LIFE WALL WALL WALL	N	
EX JE	Insulation employed	and the set	√° N	
2.3.5	Test for operating voltages generated externally	White white white with white	N	
WILL	Mr. Mr. M. M. The The	TER SLIER WITE WILL SWILL	MUL	
2.4	Limited current circuits	m m m	N	
2.4.1	General requirements	The state of the s	un'N	
2.4.2	Limit values		N	
LT WILL	Frequency (Hz)	TEX SINTE	N ₃	
4 2	Measured current (mA)		N	
WALL	Measured voltage (V)	- TEN LIER WITE WITE W	N	
	Measured circuit capacitance (nF or μF)	The ship in	N	
2.4.3	Connection of limited current circuits to other circuits	WAITER WALTER WALTER WALTER WALTER	NN	
CLIEB IN	LITE WILL MUST MUST AND THE TOTAL OF THE TOT	it let let let alle	WITE.	
2.5	Limited power sources	brit mer me m	Р	
IEK OLT	a) Inherently limited output	at at the test with	N.	
70	b) Impedance limited output	The My An An An	N	
WALTER	c) Regulating network limited output under normal operating and single fault condition	NITER WILLER WHITER WHITER WHI	Р	
MITEK	d) Overcurrent protective device limited output	TEX TEX LIEX SLIER WITH	N N	



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	IEC/EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict	
Write A	Max. output voltage (V), max. output current (A), max. apparent power (VA):	Battery output: 4.2V, 2.2A, 6.3VA (Normal condition), 4.2V, 1.4A, 5.9VA (Fault condition).	Р	
LIE WAL	Current rating of overcurrent protective device (A)	LIEX WILLEY WHILE WHILE	N 4	
EX TE	Use of integrated circuit (IC) current limiters	the state of the s	N	

2.6	Provisions for earthing and bonding	at the NY
2.6.1	Protective earthing	m, m, w
2.6.2	Functional earthing	- THE THE ONE
2.6.3	Protective earthing and protective bonding conductors	The the the N
2.6.3.1	General	mir while with No
2.6.3.2	Size of protective earthing conductors	L X N
MULL	Rated current (A), cross-sectional area (mm²), AWG	in mi me N
2.6.3.3	Size of protective bonding conductors	THE NITE OF N
TEX .	Rated current (A), cross-sectional area (mm²), AWG	N TEL TEL
	Protective current rating (A), cross-sectional area (mm²), AWG:	Mur. Mur. M. N.
2.6.3.4	Resistance of earthing conductors and their terminations, resistance (Ω) , voltage drop (V) , test current (A) , duration (min)	NUT WALL WE NOT
2.6.3.5	Colour of insulation	Any any all
2.6.4	Terminals	LET TEX NEX
2.6.4.1	General	Mr. Mr. M. N
2.6.4.2	Protective earthing and bonding terminals	LET JET JEN
× (1)	Rated current (A), type, nominal thread diameter (mm)	N N
2.6.4.3	Separation of the protective earthing conductor from protective bonding conductors	A CA A CA
2.6.5	Integrity of protective earthing	Any Any AnN
2.6.5.1	Interconnection of equipment	N N
2.6.5.2	Components in protective earthing conductors and protective bonding conductors	June June June N
2.6.5.3	Disconnection of protective earth	N
2.6.5.4	Parts that can be removed by an operator	CEL CLER OF MC
2.6.5.5	Parts removed during servicing	N
2.6.5.6	Corrosion resistance	LIER STE WE
2.6.5.7	Screws for protective bonding	1/1, 1, N



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IEC/EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict
2.6.5.8	Reliance on telecommunication network or cable distribution system	NUTER WHITEK WHITEK WHITEK	AIL N
2.7	Overcurrent and earth fault protection in prin	nary circuits	N
2.7.1	Basic requirements	The state of the s	-N
MUT	Instructions when protection relies on building installation	HE WILLER MULTER MULTER WILLER AN	N
2.7.2	Faults not simulated in 5.3.7	t et set set set with	N
2.7.3	Short-circuit backup protection	were men men my	N
2.7.4	Number and location of protective devices	et ret ret liet die	N
2.7.5	Protection by several devices	" His Mile And And And And	N
2.7.6	Warning to service personnel	Not intended for any service or repair.	N
	A ALL ARE	The The Man And And And And And And And And And An	
2.8	Safety interlocks	A TEX STEEL STEEL ON	N
2.8.1	General principles	No safety interlocks	N
2.8.2	Protection requirements	TEX TEX LIFE SLIFE	N
2.8.3	Inadvertent reactivation	are any any	N
2.8.4	Fail-safe operation	IN LET THE THE STIFF	N C
2.8.5	Moving parts	War and any	N
2.8.6	Overriding	let tet tet attel	N
2.8.7	Switches, relays and their related circuits	The Mr. M. M. M.	N
2.8.7.1	Separation distances for contact gaps and their related circuits (mm)	NITER WILLER WHITER WHITER WHI	N.
2.8.7.2	Overload test	The state of the s	N
2.8.7.3	Endurance test	all the man	AN N
2.8.7.4	Electric strength test	The second second	N
2.8.8	Mechanical actuators	The same of the same of	N
X TEX	LIER OLIFE WILL WALL WILL WILL		TEX
2.9	Electrical insulation	EE RITE WITE WALL WALL WALL WALL	N
2.9.1	Properties of insulating materials	Class III equipment.	N
2.9.2	Humidity conditioning	WILL MILL WALL WALL WALL	N
TEX	Relative humidity (%), temperature (°C)		N-
2.9.3	Grade of insulation	LITE WILL WALL WALL WALL WALL	N N
2.9.4	Separation from hazardous voltages	Class III equipment.	N
Mr	Method(s) used	TELL WITE WITE MALL MINE W	N
TEN	alter with white will all	and the second	Et C
2.10	Clearances, creepage distances and distance		N
2.10.1	General	See only 5.3.4 for functional insulation	N
2.10.1.1	Frequency	LIE SLIV WILL WALL WAY	- N



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IEC/EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict	
2.10.1.2	Pollution degrees:	at at at s	EL STE N	
2.10.1.3	Reduced values for functional insulation	arit mri mi mi	N	
2.10.1.4	Intervening unconnected conductive parts	at at all set	N.	
2.10.1.5	Insulation with varying dimensions	Lite Mail Mail Mile	N	
2.10.1.6	Special separation requirements	t at let let	N.	
2.10.1.7	Insulation in circuits generating starting pulses	when the text	N N	
2.10.2	Determination of working voltage	WILE MULL MULL AND	~N	
2.10.2.1	General		K N	
2.10.2.2	RMS working voltage	ALTER MILE MALL WALL	n n	
2.10.2.3	Peak working voltage		∠d⁺ _ <n< td=""></n<>	
2.10.3	Clearances	THE WALLE WALLE	The A Na	
2.10.3.1	General	AL AL	A N	
2.10.3.2	Mains transient voltages	White White M	L JU N	
TEX	a) AC mains supply:	L	at a Nº	
m, m	b) Earthed d.c. mains supplies	WITE WALLE WAS	The ThIN	
let o	c) Unearthed d.c. mains supplies:		L N	
i. m.	d) Battery operation	ITE ITE WALLE WALL	an N	
2.10.3.3	Clearances in primary circuits	t at	A N	
2.10.3.4	Clearances in secondary circuits	CLIE WILL WALL	an an Na	
2.10.3.5	Clearances in circuits having starting pulses	The state of the s	at N	
2.10.3.6	Transients from a.c. mains supply:	alter with walt we	n n	
2.10.3.7	Transients from d.c. mains supply	20, 20,	A N	
2.10.3.8	Transients from telecommunication networks and cable distribution systems	REF TELL	WAY WAN	
2.10.3.9	Measurement of transient voltage levels	in the me	N	
X NITER	a) Transients from a mains supply	L at at the	CE NO	
12,	For an a.c. mains supply	MUT AUT AUT A	N	
CLIER	For a d.c. mains supply	at at at .	TEL TIE NI	
VEX.	b) Transients from a telecommunication network	mer mer me	N N	
2.10.4	Creepage distances	LIER WILL MULTE MULTE	n n N	
2.10.4.1	General	1	A N	
2.10.4.2	Material group and comparative tracking index	the Marie Marie Marie	W. W. No.	
WILL	CTI tests	- TEX LIFE SLIFE	Life Mil	
2.10.4.3	Minimum creepage distances	Mr. Mr. M. 2.	N	
2.10.5	Solid insulation	THE THE LITTER ONLY	IN N	
2.10.5.1	General	145 M. M. M. M.	N	



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Clause	Requirement – Test	Result – Remark	Verdict
-	at the the till will will will	711 711 711 71	
2.10.5.2	Distances through insulation	TEK TEK TEK	N N
2.10.5.3	Insulating compound as solid insulation	ur, mr m, m	N
2.10.5.4	Semiconductor devices	EX LEX JEX JER	N N
2.10.5.5	Cemented joints	r, mr, m, m,	N
2.10.5.6	Thin sheet material - General	of the text of the	No.
2.10.5.7	Separable thin sheet material	mer me m. 2	N
WITE	Number of layers (pcs)	et let let o	NI NI
2.10.5.8	Non-separable thin sheet material	Muri Aur Aur Au	N
2.10.5.9	Thin sheet material – standard test procedure	LIFE MILIER WHITE WHITE	TINLIE WILL
CEK LIE	Electric strength test	the state of the	TEN TEN
2.10.5.10	Thin sheet material – alternative test procedure	The Marie Will	m n
MULL	Electric strength test	L STEEL WITE OF	N In N
2.10.5.11	Insulation in wound components	24, 25, 2	N.
2.10.5.12	Wire in wound components	LIER WILLIAM	NULL VILLE
<i>i</i> + <i>i</i>	Working voltage		N-
TI WILL	a) Basic insulation not under stress	TEX STER SLIER WITE	unit un'N
EK NITEK	b) Basic, supplementary, reinforced insulation:	at the the	TEL SELN
10	c) Compliance with Annex U	White Mur Min .	N
WALTER	Two wires in contact inside wound components; angle between 45° and 90°:	NITER MITER WHITER WA	TET WIT W
2.10.5.13	Wire with solvent-based enamel in wound components	TE MIT	EX MALTEX MALL
<i>A</i>	Electric strength test		N
II WALL	Routine test	THE THE	MILL N
2.10.5.14	Additional insulation in wound components	24 24 24 24	N
WILL	Working voltage	t TEX TEX STEE	NI NI
.+	- Basic insulation not under stress:	my my my	N
NALITE ON	- Supplementary, reinforced insulation:	TEX JEX STEE ON	N. M.
2.10.6	Construction of printed boards	Mr. Mr. Mr. A.	N
2.10.6.1	Uncoated printed boards	TEX TEX LIFE LIFE	MIN NICH
2.10.6.2	Coated printed boards	or Mr. Mr. Mr.	N
2.10.6.3	Insulation between conductors on the same inner surface of a printed board	Et MILIER WHITER WHITER	mrite water N
2.10.6.4	Insulation between conductors on different layers of a printed board	STEK BUTEK MATEKAM	LIER WALL ON
TEX	Distance through insulation	70	N.
Wr W	Number of insulation layers (pcs)	THE ITE ALT TO	an ann



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	IEC/EN 609	950-1	
Clause	Requirement – Test	Result – Remark	Verdict
2.10.7	Component external terminations	at let let liet out	N
2.10.8	Tests on coated printed boards and coated components	INTERIOR WITH THE TEXT	N
2.10.8.1	Sample preparation and preliminary inspection	The wait mill was my	N
2.10.8.2	Thermal conditioning	H TEX STEE WITE WITE SALTE	IL NO
2.10.8.3	Electric strength test	m m m	L N
2.10.8.4	Abrasion resistance test	TEX LIER OLIER MITE ON	N
2.10.9	Thermal cycling	me me me	, N
2.10.10	Test for Pollution Degree 1 environment and insulating compound	WIER MUTER WITE WITE WITE	on N
2.10.11	Tests for semiconductor devices and cemented joints	EX TEX MITER WALTER WALTER	J. J. N.
2.10.12	Enclosed and sealed parts:	A LIX LEX	N
The.	THE THE LITE	Write Muri Mus M	L. 70
3	WIRING, CONNECTIONS AND SUPPLY	the state of	e P
3.1	General	WILL MULL MULL MAN	√0 P
3.1.1	Current rating and overcurrent protection	A ST SET SET	Р
3.1.2	Protection against mechanical damage	LIE LIE WALL WALL WALL	Р
3.1.3	Securing of internal wiring	a state of	P
3.1.4	Insulation of conductors	THE WALL WALL WALL	h b
3.1.5	Beads and ceramic insulators	The equipment does not have any beads or similar insulators.	LI X N
3.1.6	Screws for electrical contact pressure	The equipment does not have any screw-type connections.	N. N.
3.1.7	Insulating materials in electrical connections	No contact pressure through insulating material.	N
3.1.8	Self-tapping and spaced thread screws	TE OF WE WAY	N N
3.1.9	Termination of conductors	the state of the s	P
Me	10 N pull test	CALLER WALL WALL WALL OF	P. P.
3.1.10	Sleeving on wiring	The state of	N N
Mr. 1	IN THE LIFE	WITEL WILL MALL WALL WA	an
3.2	Connection to a mains supply	The state of the state of	y N
3.2.1	Means of connection	LIE OLIE WALL WALL WALL	N N
3.2.1.1	Connection to an a.c. mains supply	the state of the s	N
3.2.1.2	Connection to a d.c. mains supply	EX NITE WILL WILL	N ₂
3.2.2	Multiple supply connections	the state of	× N
3.2.3	Permanently connected equipment	NITE MITTER WALL WINES WIT	N
UNLTEX N	Number of conductors, diameter of cable and conduits (mm)	TEX TEX STEX STEX STEX	EV NE

Appliance inlets

3.2.4



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	IEC/EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
3.2.5	Power supply cords	ex tex tex ties with	N		
3.2.5.1	AC power supply cords	We Me My My My	N		
LIET ME	Type:	at let get get age	N		
	Rated current (A), cross-sectional area (mm²), AWG	it with the text	N		
3.2.5.2	DC power supply cords	white with me we will	N		
3.2.6	Cord anchorages and strain relief	and the set of	N.		
'EK	Mass of equipment (kg), pull (N)	WHITE MALL WALL WILL WILL	N		
in in	Longitudinal displacement (mm)	TEX LIFE OUTE MITE WALL	W.N		
3.2.7	Protection against mechanical damage		N		
3.2.8	Cord guards	Ex Tex Wife Wife Will A	N		
* NIEY	Diameter or minor dimension D (mm); test mass (g)	- TELL STEEL STEEL OF	N N		
7.	Radius of curvature of cord (mm)	Mur My My M	N		
3.2.9	Supply wiring space	TEX TEX STEEL STEEL STEEL	N		
20. 1	t it it less the less	ing my my my	1		
3.3	Wiring terminals for connection of external co	nductors	νŃ		
3.3.1	Wiring terminals	ri mi m m	N		
3.3.2	Connection of non-detachable power supply cords	WIEL WHIEL WHIEL WHIEL W	N		
3.3.3	Screw terminals	and the set of	N ₂		
3.3.4	Conductor sizes to be connected	nuter white wall wall was	N		
NITEK W	Rated current (A), cord/cable type, cross-sectional area (mm²)	TEV MITER MAILER	N.X		
3.3.5	Wiring terminal sizes		N		
MUL	Rated current (A), type, nominal thread diameter (mm)	THE WALL TO THE WALLE	N.		
3.3.6	Wiring terminals design	t at at the text takes	N		
3.3.7	Grouping of wiring terminals	MULL AND AND AND AND	N		
3.3.8	Stranded wire	IN THE TEN STEP BUT	N		
7,, ,	I SE SEK TEK TITER MITTER	Will Mur. Mr. Mr. Mr. M.			
3.4	Disconnection from the mains supply	A St Tet Tet Tet	(N		
3.4.1	General requirement	The mer we me	N		
3.4.2	Disconnect devices	t it lit tex tex	JE N		
3.4.3	Permanently connected equipment	Not permanently connected equipment.	N		
3.4.4	Parts which remain energized	No parts remain energized when the disconnect device is removed.	N		
3.4.5	Switches in flexible cords	it it it it will	N		



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	IEC/EN 609	950-1	
Clause	Requirement – Test	Result – Remark	Verdict
3.4.6	Number of poles – single-phase and d.c. equipment	OUTER MUTER MUTER MUTER MUTE	N N
3.4.7	Number of poles – three-phase equipment	A SE SEE SEE STEEL	N
3.4.8	Switches as disconnect devices	No such device.	N
3.4.9	Plugs as disconnect devices	A ST SET SET	N
3.4.10	Interconnected equipment	No interconnection of hazardous voltages or energy levels.	N
3.4.11	Multiple power sources	LIER NITER MITE WALL WAL	N
et	TEX TEX SITES WITH WITH WALL	Mr. M. M. S.	- LEX
3.5	Interconnection of equipment	TEX STEE WITE MALL	an N
3.5.1	General requirements	The same of the sa	N
3.5.2	Types of interconnection circuits	. SELV circuits	N _S
3.5.3	ELV circuits as interconnection circuits	Tri Tri	↓ N
3.5.4	Data ports for additional equipment	alies mile while wh	N
et	TEX IEX IX OUTER MILL WILL	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	* 4
4	PHYSICAL REQUIREMENTS	alter outer outile aunit	SUN
4.1.	Stability		N-
ry an	Angle of 10°	TEX STEE STEET WITE MALLE	N.
A 10	Test force (N)	7	∠-N
MULT	Mr. Mr. A. A.	TEX STEE STEE WITE WITE IN	الل الما
4.2	Mechanical strength	An an an	↓ P
4.2.1	General	Class III equipment.	Р
<i>*</i>	Rack-mounted equipment	The An An	N
4.2.2	Steady force test, 10 N	The state white	W.b
4.2.3	Steady force test, 30 N		N
4.2.4	Steady force test, 250 N	TEX TE MALTE	Р
4.2.5	Impact test	2/1 2/1 2/1	∠ N
MALT	Fall test	t TEX LIET NITE WILL W	N
*	Swing test	The the the	N
4.2.6	Drop test; height (mm):	1000mm, no hazards, no damaged.	Р
4.2.7	Stress relief test	7h, 70°C	P
4.2.8	Cathode ray tubes	TEX TEX LIFE NITES INCIDEN	N N
٠	Picture tube separately certified:	of the many many	N
4.2.9	High pressure lamps	et tet tet tie tie dite	N _N
4.2.10	Wall or ceiling mounted equipment; force (N)	with the tit that is	N
4.3	Design and construction	will will with my my	Р
4.3.1	Edges and corners	All edges and corners are judged to be sufficiently well rounded so as not to constitute hazard.	P



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Clause	Requirement – Test	Result – Remark	Verdict
4.0.0	Line dies and manual explanation forms (Al)	No see heredles and manual waterles	1 6
4.3.2	Handles and manual controls; force (N):	No any handles and manual controls.	N N
4.3.3	Adjustable controls	1. 2. 2.	N
4.3.4		LEA WILL WILL MAIN	N
4.3.5		711 72 3	N
4.3.6		* TEX STEE WITE WITE AND	N
		201 20	N
MULL A	Compliance with the relevant mains plug standard	White white while white whi	N.
4.3.7	Heating elements in earthed equipment	a at the tit the	N
4.3.8	Batteries	Does not evaluate the test items for lithium batteries in clause 4.3.8.	N
ie. antit	- Overcharging of a rechargeable battery	ex rex rex with with	N
t Jet	- Unintentional charging of a non- rechargeable battery	The life the let	N
	- Reverse charging of a rechargeable battery	white must me and	Ň
mr. m	- Excessive discharging rate for any battery	alter wife while while	SUN
4.3.9	Oil and grease		N-
4.3.10	Dust, powders, liquids and gases	TEN TEL NITER WITE WITE	W.N
4.3.11	Containers for liquids or gases	3 1 2	↓-N
4.3.12	Flammable liquids	ITEL SLIFE MITE WALL W	N
et	Quantity of liquid (I)	The same of	↓ N
WALL		THE LIFE MITE MITE AND	N
4.3.13	Radiation:	The the the table	N.
4.3.13.1	General	The state of the s	JUN N
4.3.13.2	lonizing radiation	ring of parts rection by plugs and sockets at plug-in equipment rection and in earthed equipment rection and rechargeable battery rection and rechargeable battery rection and rechargeable battery rection and rechargeable rection after test, mability classification rection and rection and teres, rection and server to ultraviolet (UV) rection and exposure to ultraviolet (UV) rection and server including laser diodes)	N
MULL	Measured radiation (pA/kg)	The Marine	N
t et	Measured high-voltage (kV)	The same of the	↓ N
WILL	Measured focus voltage (kV)	- I TEX LIFE OUTE MILE WI	N
at the	CRT markings	Mr. Mr.	N
4.3.13.3	Effect of ultraviolet (UV) radiation on materials	WILLER WHITE WHILE WHILE WHILE	N
ALTER WALT	Part, property, retention after test, flammability classification	LIEK WIFEK WHIFEK WHIFEK WHIFEK	MIN
4.3.13.4	Human exposure to ultraviolet (UV) radiation	et tet stet stet stet	TEL N
4.3.13.5	Lasers (including laser diodes) and LEDs	me me me	L N
4.3.13.5.1	Lasers (including laser diodes)	TER ITER ALTER PATER AND	N
at	Laser class	my my my and	N
4.3.13.5.2	Light emitting diodes (LEDs)	THE THE LITTURE WITH	JN
4.3.13.6	Other types	with the the the	N



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t TEX	IEC/EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		
4.4	Protection against hazardous moving parts	at let let liet	N N		
4.4.1	General	No such parts	N		
4.4.2	Protection in operator access areas	et et tet tet	JE N		
EX JE	Household and home/office document/media shredders	who we will a	EK N		
4.4.3	Protection in restricted access locations	in the water water water	N _n		
4.4.4	Protection in service access areas	L A A A	N.		
4.4.5	Protection against moving fan blades	WILL MULL MULL AND	n n		
4.4.5.1	General		Nº		
11. 11.	Not considered to cause pain or injury. a):	LITER WITE WALL WALL OF	n n		
CEX C	Is considered to cause pain, not injury. b):		A JON		
1/1/	Considered to cause injury. c):	TEL TOTAL MALITY WA	N _n		
4.4.5.2	Protection for users	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	× N		
21/2	Use of symbol or warning	white white white	An N		
4.4.5.3	Protection for service persons	LIER OLIER WILL	WILL PLAN		
*	Use of symbol or warning:	10 10 10	L N-		
in wh	and any	TEX TEX STEE STEE STEE	LITE MALL		
4.5	Thermal requirements	10 10 10	L P		
4.5.1	General	TER LIER WIFE IN	Pul Pul		
4.5.2	Temperature tests	The The The	Р		
WILL.	Normal load condition per Annex L	TEX TEX SITES WITE	MU NP		
4.5.3	Temperature limits for materials	(see appended table 4.5)	P		
4.5.4	Touch temperature limits	(see appended table 4.5)	In P		
4.5.5	Resistance to abnormal heat:	V. V.	N		
LIE NALI		THE THE THE	LIE WILLE		
4.6	Openings in enclosures	Mr. M. M.	_ N		
4.6.1	Top and side openings	t TEX TEX STEE OUT	N. N.		
1	Dimensions (mm)	Aug. Mr. Aug. Aug.	N		
4.6.2	Bottoms of fire enclosures	LET TEX LIFE OUTE	MIN NIN		
LIEK (C)	Construction of the bottom, dimensions (mm)	we we set the	THE NA		
4.6.3	Doors or covers in fire enclosures	FILE MULL AND AND A	N		
4.6.4	Openings in transportable equipment	L A A A A	CEN N		
4.6.4.1	Constructional design measures	Will Mill Mr. Mr.	N		
LIER	Dimensions (mm)	at at at a	N.		
4.6.4.2	Evaluation measures for larger openings	MULL MULL MULL MULL	N		
4.6.4.3	Use of metallized parts	t at at at	Nº		
4.6.5	Adhesives for constructional purposes	alite mile was was	N N		



Ν

N

N

	IEC/EN 609	950-1	
Clause	Requirement – Test	Result – Remark	Verdict
NUTER N	Conditioning temperature (°C), time (weeks)	NITER WHITEK WHITEK WHITEK WHI	IN N
4.7	Resistance to fire	Life Multi Mall Mall And	Р
4.7.1	Reducing the risk of ignition and spread of flame	A MUTER WHITER WHITER WHITER	n Pr
WALTER	Method 1, selection and application of components wiring and materials	LIEK WIFEK WIFEK WALTER WA	P
INLIEK NA	Method 2, application of all of simulated fault condition tests	et tet tet attet with	EX MINY
4.7.2	Conditions for a fire enclosure	by My My My My	Р
4.7.2.1	Parts requiring a fire enclosure	ex rex rex with with	N
4.7.2.2	Parts not requiring a fire enclosure	The sale and sale	Р
4.7.3	Materials	t TEX TEX SLIER	N PN
4.7.3.1	General	Mrs. Mrs. Mrs. Mrs. Mrs. Mrs. Mrs. Mrs.	Р
4.7.3.2	Materials for fire enclosures	TEK ITEK ALTER OM	N.
4.7.3.3	Materials for components and other parts outside fire enclosures	The sure sure sure	N
4.7.3.4	Materials for components and other parts inside fire enclosures	LIE LIE WHILL WHILL WHILL	N
4.7.3.5	Materials for air filter assemblies	Life outer wife while	en Na
4.7.3.6	Materials used in high-voltage components	In the state of th	↓ N
W.C.	whi you are the text	LIER STEEL WITE MILE MALLE	Tr. Wit
5	ELECTRICAL REQUIREMENTS AND SIMUL	ATED ABNORMAL CONDITIONS	A PA
5.1	Touch current and protective conductor curre	nt in the most	N N
5.1.1	General		N
5.1.2	Configuration of equipment under test (EUT)	TET MILL	N N
5.1.2.1	Single connection to an a.c. mains supply	M	⊬N
5.1.2.2	Redundant multiple connections to an a.c. mains supply	White white white white	N N
5.1.2.3	Simultaneous multiple connections to an a.c. mains supply	OLIER MITER MATER MATER ON	Je WY
5.1.3	Test circuit		N
5.1.4	Application of measuring instrument	LIFET WILL WALL WALL WALL	N N
5.1.5	Test procedure	the state of the s	N
5.1.6	Test measurements	EX LIFE ALTE MILL NALL	UN NO

Measured touch current

(mA)

Supply voltage (V):

Max. allowed touch current (mA)



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t TEX	IEC/EN 609	950-1	CEY J
Clause	Requirement – Test	Result – Remark	Verdict
NNLTEX N	Measured protective conductor current (mA)	OLIEK WHITEK WHITEK WHITE	N
LIEK WAL	Max. allowed protective conductor current (mA)	TEX SLIEK WITER WHITER WHITER	N.C. N
5.1.7	Equipment with touch current exceeding 3,5 mA	t fet fet ifet outet	TEK-N
5.1.7.1	General	me me me m	N
5.1.7.2	Simultaneous multiple connections to the supply	WILLER MULTER MULTER MULTER MULT	N
5.1.8	Touch currents to telecommunication networks and cable distribution systems and from telecommunication networks	NITEK WHITEK WHITEK WHITEK	SIL N
5.1.8.1	Limitation of the touch current to a telecommunication network or to a cable distribution system	EX MILTER MULTER MULTER WILLER	N
MULL	Supply voltage (V)	alter wife wall was	N
et	Measured touch current (mA)	The state of	N
Write a	Max. allowed touch current (mA)	LIEK OLIE MLIE WALL	WN
5.1.8.2	Summation of touch currents from telecommunication networks	at the lifet with	N-
	a) EUT with earthed telecommunication ports	at at at the	N
- CX	b) EUT whose telecommunication ports have no reference to protective earth	white white white with w	N
MALIT	MILL MILL AND THE	TEX ITEX NITE ONLY	MULL
5.2	Electric strength	The The The The	N.
5.2.1	General	TE MILE MILE	W N
5.2.2	Test procedure		N
5.3	Abnormal operating and fault conditions	LIE WE WITH THE WAY	Р
5.3.1	Protection against overload and abnormal operation	(see appended table 5.3)	Pal
5.3.2	Motors	* * * * * * * * * * * * * * * * * * *	N
5.3.3	Transformers	alier wife while wall wall	N _N
5.3.4	Functional insulation	in the set set	P
5.3.5	Electromechanical components	LIET OLIE MALL WALL MAL	su N
5.3.6	Audio amplifiers in ITE		P
5.3.7	Simulation of faults	Et NITE WITE WALL WALL V	P
5.3.8	Unattended equipment	The state of	N
5.3.9	Compliance criteria for abnormal operating and fault conditions	No flames emitted, no molten material emitted and no hazard.	Р
5.3.9.1	During the tests	THE ITER WITE WITE WITE	n P
5.3.9.2	After the tests	no mon me	Р



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	IEC/EN 60	950-1	
Clause	Requirement – Test	Result – Remark	Verdict
6.4	CONNECTION TO TELECOMMUNICATION	NETWORKS	N
6.1	Protection of telecommunication network ser equipment connected to the network, from h		N
6.1.1	Protection from hazardous voltages	WITE WILL MALL MALL WALL	N
6.1.2	Separation of the telecommunication networ	k from earth	N
6.1.2.1	Requirements	in with the a	N
TEX	Supply voltage (V)		N.
The .	Current in the test circuit (Ma)	write while whi we we	∞N
6.1.2.2	Exclusions	TEX SLIER WITER WITER WHITE	N N N
6.2	Protection of equipment users from overvolta	ages on telecommunication networks	N
6.2.1	Separation requirements	EK TEK STEEL BLIE WALL	NN NN
6.2.2	Electric strength test procedure	The state of the s	, N
6.2.2.1	Impulse test	E- LIFE NLTER MILE MILE	N
6.2.2.2	Steady-state test	An An	N
6.2.2.3	Compliance criteria	LIFE OUTE WILL WAL	N
6.3	Protection of the telecommunication wiring system from overheating		N-
in an	Max. output current (A)	TEN TEN STER NITE MILE	In N
4	Current limiting method:		N

7	CONNECTION TO CABLE DISTRIBUTION SYSTEMS	L N
7.1	General	is nite only and
7.2	Protection of cable distribution system service persons, and users of other equipment connected to the system, from hazardous voltages in the equipment	White white while
7.3	Protection of equipment users from overvoltages on the cable distribution system	The Marie of the 12th
7.4	Insulation between primary circuits and cable distribution systems	N m m
7.4.1	General	N N
7.4.2	Voltage surge test	N.
7.4.3	Impulse test	The Will Work W

A w	ANNEX A, TESTS FOR RESISTANCE TO HEAT AND FIRE	
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)	L WITE WITE
A.1.1	Samples	N
White M	Wall thickness (mm)	anti an'N
A.1.2	Conditioning of samples; temperature (°C):	N



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F JET	IEC/EN 609	950-1	LET S
Clause	Requirement – Test	Result – Remark	Verdict
A.1.3	Mounting of samples	at let let liet little	N
A.1.4	Test flame (see IEC 60695-11-3)	With the Man way and	N
LIET	Flame A, B, C or D	of let let liet wife	N N
A.1.5	Test procedure	The Maria Maria	N
A.1.6	Compliance criteria	+ let tet tret stret stret .	N
4	Sample 1 burning time (s)	mr. m. m.	N
NITE	Sample 2 burning time (s)	et set set stet street set	N
40.	Sample 3 burning time (s)	With My My My My	N
A.2	Flammability test for fire enclosures of movable exceeding 18 kg, and for material and compo (see 4.7.3.2 and 4.7.3.4)		WA'N
A.2.1	Samples, material	EX TEX STEE MITE WAIT	sy Ns
+ et	Wall thickness (mm)	The state of the s	A N
A.2.2	Conditioning of samples; temperature (°C):	TITELY WITE MALL WA	N
A.2.3	Mounting of samples	777	N
A.2.4	Test flame (see IEC 60695-11-4)	alter mite mite whi	NUL
et	Flame A, B or C		N
A.2.5	Test procedure	Material approved by UL	N.N
A.2.6	Compliance criteria	30 3 st	N
MULI	Sample 1 burning time (s)	THE STEEL STEEL SHIPLE	N.
at	Sample 2 burning time (s)	The The To	↓ N
Whi.	Sample 3 burning time (s)	TER STEEL WILLER WILLER WAS	N
A.2.7	Alternative test acc. To IEC 60695-11-5, cl. 5 and 9	who will be the street state	N
All S	Sample 1 burning time (s):	ALL ALL THE	N
Me	Sample 2 burning time (s)	The the state while	N
X TEX	Sample 3 burning time (s)	1 1 1	N N
A.3	Hot flaming oil test (see 4.6.2)	RITE WILL WALL WALL WALL W	N
A.3.1	Mounting of samples	the state of	- N
A.3.2	Test procedure	MITER WITE WALL WALL WALL	₽/N
A.3.3	Compliance criterion	2, 2,	- N-

B. MITE	ANNEX B, MOTOR TESTS UNDER ABNORMAL CONDITIONS(see 4.7.2.2 and 5.3.2)		LIE'N
B.1	General requirements	me me en e	L N
MILI	Position	TEX STER SLITE WITE SING	N
	Manufacturer	me me m	N
WILL W	Туре	See table 1.5.1	J.N
1	Rated values	See table 1.5.1	N



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IEC/EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdic
B.2	Test conditions	at at at at an	Ñ
B.3	Maximum temperatures	With My My My My	N
B.4	Running overload test	et let let liet with	N
B.5	Locked-rotor overload test	The me in m	N
IN ITE	Test duration (days)	t let tel tel atter	N ₀
-	Electric strength test: test voltage (V):	me me me	N
B.6	Running overload test for d.c. motors in secondary circuits	MITER WALTER WALTER WA	N ²
B.6.1	General	The state of	N
B.6.2	Test procedure	With with white was well	z _n N
B.6.3	Alternative test procedure	· + A At At	√°N
B.6.4	Electric strength test; test voltage (V):	EL IL TE WALL WALL WALL	N N
B.7	Locked-rotor overload test for d.c. motors in s	secondary circuits	N
B.7.1	General	White were who we	N
B.7.2	Test procedure	at the set of	N.
B.7.3	Alternative test procedure	d write white whi wh	N N
B.7.4	Electric strength test; test voltage (V):	L A At At At	N
B.8	Test for motors with capacitors	ITE LIFE WALL WALL WALL	N
B.9	Test for three-phase motors	A A A A	N
B.10	Test for series motors	Will will will with	N.
TEX	Operating voltage (V)		N
Mr.	THE LIFE	WITE WITE WALL MALL WA	7/1
C	ANNEX C, TRANSFORMERS (see 1.5.4 and	5.3.3)	N
11 11	Position	all with the	an N
all s	Manufacturer	in the set set	_ N
M	Type	TE ST. W. W. W.	S N
t TEX	Rated values	the state of the s	N.
M	Method of protection	COLITER WILL WALL A	N
C.1	Overload test	* * * * * * * * * * * * * * * * * * *	- N
C.2	Insulation	alie with while wall was	JN
AEK.	Protection from displacement of windings:	The state of the state of	- N-
Vr. M	The All The The	alter with white wall was	Mer
DF WALK	ANNEX D, MEASURING INSTRUMENTS FC 5.1.4)	R TOUCH-CURRENT TESTS (see	N STEEN
D.1	Measuring instrument	Mr. Mr. Mr.	L N
D.2	Alternative measuring instrument	- TEX LIER OLIVE OLIVE OF	,N
E	ANNEX E, TEMPERATURE RISE OF A WIN	DING (see 1.4.13)	N
Jalifer v	ANNEX F, MEASUREMENT OF CLEARANC (see 2.10 and Annex G)	ES AND CREEPAGE DISTANCES	N N



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100	IEC/EN 609	950-1	
Clause	Requirement – Test	Result – Remark	Verdict
G	ANNEX G, ALTERNATIVE METHOD FOR D CLEARANCES	ETERMINING MINIMUM	TE N N
G.1	Clearances	a state of	* UN
G.1.1	General	I'E WIT WAL WALL WALL	4 N
G.1.2	Summary of the procedure for determining minimum clearances	A LIEK SLIEK WILEK WILEK	AN SEE N
G.2	Determination of mains transient voltage (V)	The same of the	N
G.2.1	AC mains supply	ITEL STEEL WITE MILE MILE	N _N
G.2.2	Earthed d.c. mains supplies:	m m m	, N
G.2.3	Unearthed d.c. mains supplies:	TEX LIFE OLIVE MITE ONL	N.N
G.2.4	Battery operation:	211 211	N
G.3	Determination of telecommunication network transient voltage (V)	EX WILLEY WILLEY WILLEY	N. N.
G.4	Determination of required withstand voltage (V)	Whitek multer waiter	in N
G.4.1	Mains transients and internal repetitive peaks	LIEK WIFEK WIFEK	LIE NE
G.4.2	Transients from telecommunication networks	at the the title of	EX OLIEN
G.4.3	Combination of transients	The same say	N
G.4.4	Transients from cable distribution systems	EX TEX TEX LITER	N
G.5	Measurement of transient voltages (V)	MULL MULL MULL MULL	N
OLIE	a) Transients from a mains supply	et ret tet tret tret	N.
70.	For an a.c. mains supply	were me in a	N
CLIER OF	For a d.c. mains supply	THE LIFE OF	TEN N
	b) Transients from a telecommunication network	Mary Mary Tall Tall Tall	N
G.6	Determination of minimum clearances:	THE WAY THE THE	N
H White	ANNEX H, IONIZING RADIATION (see 4.3.1	3) The The Street Writer	W N
Jarret	ANNEX J, TABLE OF ELECTROCHEMICAL	POTENTIALS (see 2.6.5.6)	N
.h-	Metal(s) used		N-
NI W	the me my	TEX TEX LIFE NITE INC	WALTE
K	ANNEX K, THERMAL CONTROLS (see 1.5.3	3 and 5.3.8)	N
K.1	Making and breaking capacity	No thermal limiter or thermostat	N
K.2	Thermostat reliability; operating voltage (V)	THE THE THE	N
K.3	Thermostat endurance test; operating voltage (V):	music music music music	N
K.4	Temperature limiter endurance; operating voltage (V)	Willy Miles Mulies Mulies And	N N



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- TEX	IEC/EN 60950-1	LEX S
Clause	Requirement – Test Result – Remark	Verdict
K.5	Thermal cut-out reliability	N
K.6	Stability of operation	N
L W	ANNEX L, NORMAL LOAD CONDITIONS FOR SOME TYPES OF ELECTRICAL	Р
<u> </u>	BUSINESS EQUIPMENT (see 1.2.2.1 and 4.5.1)	et .
L.1.11	Typewriters	N
L.2	Adding machines and cash registers	N
L.3	Erasers	N
L.4_+	Pencil sharpeners	N-
L.5 J	Duplicators and copy machines	an N
L.6	Motor-operated files	N
L.7	Other business equipment	P.V
M	ANNEX M, CRITERIA FOR TELEPHONE RINGING SIGNALS (see 2.3.1)	N N
M.1	Introduction	N
M.2	Method A	N
M.3	Method B	N
M.3.1	Ringing signal	N N
M.3.1.1	Frequency (Hz)	N
M.3.1.2	Voltage (V)	N
M.3.1.3	Cadence; time (s), voltage (V)	N
M.3.1.4	Single fault current (mA)	N
M.3.2	Tripping device and monitoring voltage:	N
M.3.2.1	Conditions for use of a tripping device or a monitoring voltage	un N
M.3.2.2	Tripping device	N
M.3.2.3	Monitoring voltage (V)	N
t TEN	atter patter apatit and	TEK
N SIL	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	NN
N.2	IEC 60065 impulse test generator	N
P N	ANNEX P, NORMATIVE REFERENCES	N
Q J	ANNEX Q, Voltage dependent resistors (VDRs) (see 1.5.9.1)	N
A 1/20	a) Preferred climatic categories	N
TE	b) Maximum continuous voltage:	N N
41/1	c) Pulse current	N
TET	Body of the VDRTest according to	N
	IEC60695-11-5	11/2



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Lat	IEC/EN 609	050-1	<i>x</i> +
Clause	Requirement – Test	Result – Remark	Verdict
NALTEX V	Body of the VDR. Flammability class of material (min V-1)	WE WILLER WHITER WHITE WHITE	N
Rek	ANNEX R, EXAMPLES OF REQUIREMENTS PROGRAMMES	FOR QUALITY CONTROL	JACK N
R.1	Minimum separation distances for unpopulated coated printed boards (see 2.10.6.2)	WILEY WILEY WALTER WALTER W	TEK N
R.2	Reduced clearances (see 2.10.3)	A ST SET SET S	N N
201.	The state of the state of	Wife Will Mar Mur Mile	70,
S	ANNEX S, PROCEDURE FOR IMPULSE TE	STING (see 6.2.2.3)	N
S.1	Test equipment	WILL MALL MALL MALL MAR	20 N
S.2	Test procedure	· + + it lit	√ N
S.3	Examples of waveforms during impulse testing	The man wat with the a	N°
T TEX	ANNEX T, GUIDANCE ON PROTECTION AG (see 1.1.2)	GAINST INGRESS OF WATER	N
m 1	u u u	See separate test report	N N
UEK	ANNEX U, INSULATED WINDING WIRES FOR USE WITHOUT INTERLEAVED INSULATION (see 2.10.5.4)		JUNION .
st se	H TEX TEX E CIT TO TO	See separate test report	L-N
V Wer	ANNEX V, AC POWER DISTRIBUTION SYSTEMS (see 1.6.1)	White White White White W	N.
V.1	Introduction	EX TEX STEX STEEL ON	N
V.2	TN power distribution systems	hur, Mur My M.	N
CLIER N	of the fall of	TEX TIES OUTE	, NLTE
W	ANNEX W, SUMMATION OF TOUCH CURRENTS	IN THE THE	N
W.1	Touch current from electronic circuits	The Mr. In which	N
W.1.1	Floating circuits	the state of the s	N
W.1.2	Earthed circuits	WITE WILL WILL WILL WILL	N
W.2	Interconnection of several equipments	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- N
W.2.1	Isolation	NITE INITE UNIT WILL WILL	~NN
W.2.2	Common return, isolated from earth		N
W.2.3	Common return, connected to protective earth	1 TET NITE WITE WILL WILL	N
X ^L white	ANNEX X, MAXIMUM HEATING EFFECT IN TRANSFORMER TESTS (see clause C.1)		II CIEN
X.1	Determination of maximum input current	The An and	L N
X.2	Overload test procedure	- TEX LIES OLIES WILL MA	N
, t	Lit let let pile out one	The My In any	4
Y	ANNEX Y, ULTRAVIOLET LIGHT CONDITIC	NING TEST (see 4.3.13.3)	N
Y.1	Test apparatus	of the sup sup sup sup	N



N

N

اد ا	IEC/EN 60950-1	٠. ا
Clause		Verdict
Clause	Requirement – Test Result – Remark	verdici
Y.2	Mounting of test samples	N
Y.3	Carbon-arc light-exposure apparatus:	N
Y.4	Xenon-arc light exposure apparatus:	N
Z	ANNEX Z, OVERVOLTAGE CATEGORIES (see 2.10.3.2 and Clause G.2)	N
AA	ANNEX AA, MANDREL TEST (see 2.10.5.8)	N N
BB	ANNEX BB, CHANGES IN THE SECOND EDITION	P
111.	THE TEX STIFF WITH WALL WALL WALL WALL WALL WALL WALL WAL	. 70,
CC	ANNEX CC, Evaluation of integrated circuit (IC) current limiters	N ⁺
CC.1	General	20 N
CC.2	Test program 1	J. N
CC.3	Test program 2	n _o
y cer		COL C
DD	ANNEX DD, Requirements for the mounting means of rack-mounted equipment	N N
DD.1	General	N _{<}
DD.2	Mechanical strength test, variable N	
DD.3	Mechanical strength test, 250N, including end stops	× N
DD.4	Compliance	N
EX LIE	The specific specific to the specific s	TEK.
EE 200	ANNEX EE, Household and home/office document/media shredders	Zn N
EE.1	General	
EE.2	Markings and instructions	N
TEX	Use of markings or symbols	N
in a	Information of user instructions, maintenance and/or servicing instructions:	N N
EE.3	Inadvertent reactivation test	N
EE.4	Disconnection of power to hazardous moving parts:	N
MUL	Use of markings or symbols	in Ni
EE.5	Protection against hazardous moving parts	- N

Test with test finger (Figure 2A)

Test with wedge probe (Figure EE1 and EE2):



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IEC/EN 60950-1			LEK JEK JEK
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

Master Attachment...... Date 2014-02
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EN 60950-1:2006/A11:2009/A1:2010/A12:2011/A2:2013 - CENELEC COMMON MODIFICATIONS

Clause	Requirement + Test	Result - Remark	Verdict
+ WILLEX	Clauses, subclauses, notes, ta IEC60950-1 and it's amendme	ables and figures which are additional to those in ets are prefixed "Z"	INC. EX -
Contents	Add the following annexes:	THE WILL WAS AND	Р
	Annex ZA (normative)	Normative references to international publications with their corresponding European publications	ie whiter
(A2:2013)	Annex ZB (normative) Special Annex ZD (informative)IEC and	national conditions d CENELEC code designations for	MULL
	flexible cords		WILL W
TEX	Delete all the "country" notes in according to the following list:	n the reference document (IEC 60950-1:2005)	P
General	3.2.1.1 Note 3.2.4 Note 3. 2.5.1 4.3.6 Note 1 & 2 4.7 Note 4 4.7 4.7.3.1Note 2 5.1.7.1Note 3 & 6 Note 2 & 5 6.1.2.1 Note 2 6.1 6.2.2 Note 6.2.2.1 Note 2 6.2.2 7.1 Note 3 7.2 Note 7.3 Note 1 G.2.1 Note 2 Annex HNote 2	.1Note 4, 5 & 6 ote 6.3.3 Note 2 & 3 lote 2 2.10.5.13Note 3 I Note 2 7.2.2 Note 4 5.3.7 Note 1 1.2.2 Note 2.2 Note & 2	EK WATEK WATEK WATEK WATE WATE WATE WATEK
General (A1:2010)	Delete all the "country" notes in 1:2005/A1:2010) according to	n the reference document (IEC 60950- the following list:	P TEX
	1.5.7.1Note6.1.2.1 Note 2		"Mr.
	6.2.2.1 Note 2EE.3Note		.EX
General (A2:2013)	Delete all the "country" notes in 1:2005/A2:2013) according to 2.7.1Note *2.10.3.1 Note 2	n the reference document (IEC 60950- the following list:	U Pur
	6.2.2. Note * Note of secretary: Text of Common I		10,



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et let	IEC/EN 60950-1		
Clause	Requirement – Test	Result – Remark	Verdict

Clause	Requirement + Test	Result - Remark	Verdict
1.1.1 (A1:2010)	Replace the text of NOTE 3 by the following.	et tet tet litet litet milet	N N
at let	NOTE 3 The requirements of EN 60065 may requirements for multimedia	also be used to meet safety	et .
	equipment. See IEC Guide 112, Guide on the television sets EN	safety of multimedia equipment. For	, m,
	60065 applies.		A MITE
1.3.Z1	Add the following subclause:	Weight Mr. Mr. And Mr.	N
	1.3.Z1Exposure to excessive sound pressure	THE TEXT STEP STEP	CLIER
	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.	EX WHITE WHITEX WHITEX WHITEX	MUTER MI
	NOTE Z1 A new method of measurement is described in EN 50332-1, Sound system equipment: Headphones and earphones associated with	INLIER WALTER WALTER WALTE	WALTER
	portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations - Part 1: General	TEX STER MULTER MULTER WHITE.	Wer.
	method for "one package equipment", and in EN 50332-2, Sound system equipment:	Whitek Marter Marter Maria Ma	, 'nı
	Headphones and earphones associated with portable audio equipment - Maximum sound pressure level measurement methodology and limit considerations - Part 2: Guidelines	Whitek whitek whitek whitek whi	ik walik
	to associate sets with headphones coming from different manufacturers.	ALT THE STE WHILL WHILL	MUL



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IEC/EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict

JET .	IEC 60950-1, GROUP DIFFERENCES (CE	NELEC common modifications EN)	ماري
Clause	Requirement + Test	Result - Remark	Verdict
(A12:2011	Add the following subclause:	a state of the	N
,	1.3.Z1Exposure to excessive sound pressure	THE WALL WALL WALL WALL	11. 21.
EK WINLIEK WINLIEK W	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.	MUNITER MULTER MULTER MULTER WALTER	TEK WALTY WALTEK
one while the control of the control	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.	LIER WALTER WALT	STEX ON THE STEET OF THE STEET
1.5.1	In EN 60950-1:2006/A12:2011	murit mur. mur. m.	Р
(Added	Delete the addition of 1.3.Z1 / EN 60950- 1:2006 Delete the definition 1.2.3.Z1 / EN 60950- 1:2006 /A1:2010	MULTER WHITER WHITER WHITER WHITE	ITEK WALTER
info*) 1.7.2.1 (A1:2010)	Add the following NOTE: NOTE Z1 The use of certain substances in electrical and electronic equipment is restricted within the EU: see Directive 2002/95/EC. New Directive 2011/65/11 *	PLY TEX TEX STEEL WHITEK	N NEIEL MA
1.7.2.1 (A12.2011)	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.	While while while while while	P
	In EN 60950-1:2006/A12:2011 Delete NOTE Z1 and the addition for Portable Add the following clause and annex to the exist		MP W
* 18*	Zx Protection against excessive sound pressure from personal music players	white was with w	P TEX



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t let	LIEN WIFE WITE WAS	IEC/EN 60950-1	LEX TEX
Clause	Requirement – Test	Result – Remark	Verdict

Clause	IEC 60950-1, GROUP DIFFERENCES (CE Requirement + Test	Result - Remark	Verdict
Clause		Result - Remark	
	Zx.1 General	A LIX LEX LIES LIES	N N
	This sub-clause specifies requirements for	The write whi whi was	$a_{n_{i}} = a_{n_{i}}$
	protection against excessive sound pressure	11, 1	et
	from personal music players that are closely	t at all the other of	
	coupled to the ear. It also specifies	with whi whe we we	70.
	requirements for earphones and headphones intended for use with personal music players.	100	* 1
	interided for use with personal music players.	LEX TEX TEX WITH WITH	an.
	A personal music player is a portable	"ur, "ur, au, au, au,	
	equipment for personal use, that:	The state of the s	TEXT OF
	is designed to allow the user to listen to	TEX TEX TIES WITH WITH	MIL
	recorded or broadcast sound or video; and	in the me in a	
	primarily uses headphones or earphones	L X A AT ANT	TEN .
	that can be worn in or on or around the ears;	EL TEL SLIE WILL WILL WE	1/2 21
	and L	Pills Pills 200	1
	allows the user to walk around while in use.	et et de	
	NOTE 1 Examples are hand-held or body-	Will will war my	711.
	worn portable CD players, MP3 audio	24, 24,	
	players, mobile phones with MP3 type	let telt telt til	
	features, PDA's or similar equipment.	in white white white will	211
	A personal music player and earphones or	A A	et
	headphones intended to be used with	ex tex tex ties alie	
	personal music players shall comply with the	THE WALL WAS AND	
	requirements of this sub-clause.		LEX.
	Mr. Mr. Mr.	TEX LIEU SLIE WILL W	in an
	The requirements in this sub-clause are valid	The Mr. Mr.	
	for music or video mode only.	at at at at	
	The The Text	LIER OLIE WILL WALL WALL	"IN"
	The requirements do not apply:	My My 20, 2	, +
	while the personal music player is connected	TEX LIE	
	to an external amplifier; or	it at whit whi	411.
	while the headphones or earphones are not		et
	used. NOTE 2 An external amplifier is an amplifier	A TEN LITE	
	which is not part of the personal music player	it we wire the rail of	1, 2
	or the listening device, but which is intended		et.
	to play the music as a standalone music	t let tet liet with w	1
	player.	They were my my my	
	LIE SLIE WILL SINCE MINE	L A A A	1
	The requirements do not apply to:	TEX LIES ALTE MILL APLIA	M
	hearing aid equipment and professional	ny 24, 24, 26, 26,	1
	equipment;	t at at at the	TE
	NOTE 3 Professional equipment is	TER TEL WITH WITH WALL	· nr
	equipment sold through special sales	- m. m	1
	channels. All products sold through normal	at at at the	LIE.
	electronics stores are considered not to be	EL SITE WITH MALL WALL W	10
	professional equipment.	211, 21, 2,	.4
			10 4



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et let	LIEX OLIER WITE ON	IEC/EN 60950-1	EX JEX JEX
Clause	Requirement – Test	Result – Remark	Verdict

Clause	Requirement + Test	Result - Remark	Verdict
LIEK WHITE WHITEK WHITEK WHITEK	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.	TEK JUNITEK WALTER WALTER JUNITER JUNI	WALTER WALTER
	Zx.2 Equipment requirements No safety provision is required for equipment that complies with the following: equipment provided as a package (personal musicplayer with its listening device), where the acoustic output LAeq,T is ≤ 85 dBA measuredwhile playing the fixed "programme simulationnoise" 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.	TEX OUT TEXTOUR TEXTOU	LEX WALTER WALTER WALTER WALTER WALTER WALTER
	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 thepower is switched off; and	JUNITER WHITER WHITER WHITER WHITER	STEK JUNITER



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et let	LIEX OLIER WITE ON	IEC/EN 60950-1	EX JEX JEX
Clause	Requirement – Test	Result – Remark	Verdict

Clause	Requirement + Test	Result - Remark	Verdic
LEX.	c) provide a means to actively inform the user of		AN XN
	the increased sound pressure when the	Let Let Let July	
	equipment is operated with an acoustic output	it with the the	
	exceeding those mentioned above. Any means	20.	1 1
	used shall be acknowledged by the user before	and the state of	
	activating a mode of operation which allows for	all all with the	111 111
	an acoustic output exceeding those mentioned	The Mr. M.	
	above. The acknowledgement does not need to		
	be repeated more than once every 20 h of	TEX JEST LIFE MILL	W. W.
	cumulative listening time; and	Wr. Wr. Mr. M.	
	NOTE 2 Examples of means include visual or	3.	Let Let
	audible signals. Action from the user is always	It It I'm Jer	ALTE MILL
	required.	Lite with out when	i_{I_1} i_{I_2}
	NOTE 3 The 20 h listening time is the	70 2	1
	accumulative listening time, independent how		THE LIVE .
	often and how long the personal music player has	Et Jak City Will W	1/1 1/1
	been switched off.	The right the	
	d) have a warning as specified in Zx.3; and	at 14 s	THE STATE OF
	e) not exceed the following:	- TEN LIE WILL	an an
	1) equipment provided as a package (player	The way of	20.
	with Its listening device), the acoustic output		11- 11
	shall be ≤ 100 dBA measured while playing the	LEK TEK TEK	
	fixed "programme simulation noise" described	a will apply when	211.
	in EN 50332-1; and		1
	2) a personal music player provided with an	A ST SET	THE LIVE
	analogue electrical output socket for a listening	TE SITE OF THE	Vr. Iv.
	device, the electrical output shall be ≤ 150 mV		
	measured as described in EN 50332-2, while		
	playing the fixed "programme simulation noise"	LET THE LIFE OF	in the
	described in EN 50332-1.	WELL WELL WILL MINE	10.
	THE THE LIP		
	For music where the average sound pressure	at at the de	
	(long term LAeq,T) measured over the duration of	alle mil unti war	21, 21,
	the song is lower than the average produced by	24, 24,	4
	the programme simulation noise, the warning	- III All	THE LIFE
	does not need to be given as long as the average		ar ar
	sound pressure of the song is below the basic	U. J.	
	limit of 85 dBA. In this case T becomes the		LEY LEY
	duration of the song.	THE TOTAL OF THE PARTY OF THE P	
	NOTE 4 Classical music typically has an average	The The The	~
	sound pressure (long term LAeq,T) which is much		t it.
	lower than the average programme simulation		
	noise. Therefore, if the player is capable to	all all are are	21, 22,
	analyse the song and compare it with the programme simulation noise, the warning does	20, 20,	1 0
		L at at All	TE LIV
	not need to be given as long as the average	ITE SITE OUT SINL	We Mr.
	sound pressure of the song is below the basic limit of 85 dBA.	We my my	
		* * *	LEK JEK
	For example, if the player is set with the	LET THE THE TIPE	INLI JAL.
	programme simulation noise to 85 dBA, but the	The way and a	
	average music level of the song is only 65 dBA,		at at
	there is no need to give a warning or ask an	I at at the	
	acknowledgement as long as the average sound	e all out on	11, 11,
	level of the song is not above the basic limit of 85	111, 111, 12	
	dBA.		



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t let	LIEN WIFE WITE WAS	IEC/EN 60950-1	LEX TEX
Clause	Requirement – Test	Result – Remark	Verdict

Clause	Requirement + Test	Result - Remark	Verdic
TEX WA	Zx.3 Warning The warning shall be placed on the instruction manual and shall consis the symbol of Figure 1 with a minim 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		
	Zx.4 Requirements for listening dev	nowledge activation of the higher level. vices	N N
MULIEX	 (headphones and earphones) Zx.4.1 Wired listening devices with input With 94 dBA sound pressure output the input voltage of the fixed "prograsimulation noise" described in EN 5 shall be ≥ 75 mV. 	t LAeq,T, amme	White white
	This requirement is applicable in an	ny mode	at at
	where the headphones can operate or passive), including any available se example built-in volume level control.	etting (for	ie with a



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t let	LIEN WIFE WITE WAS	IEC/EN 60950-1	LEX TEX
Clause	Requirement – Test	Result – Remark	Verdict

	IEC 60950-1, GROUP DIFFERENCES (CE		- NILL
Clause	Requirement + Test	Result - Remark	Verdict
	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.).	TEX MILIEX WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER	A TEK UNLEK MIEK UNLEK MILIEK MILIEK UN MILIEK UN
21/VI	NOTE An example of a wired listening device with digital input is a USB headphone.	white white whit we	r wh
MILIER WAS	Zx.4.3 Wireless listening devices In wireless mode: with any playing and transmitting device playing the fixed programme simulation noise described in EN 50332-1; and respecting the wireless transmission standards, where an air interface standard exists that specifies the equivalent acoustic level; and with volume and sound settings in the listening device (for example built-in volume level control, additional sound feature like equalization, etc.) set to the combination of positions that maximize the measured acoustic output for the abovementioned programme simulation noise, the acoustic output LAeq,T of the listening device shall be ≤ 100 dBA. NOTE An example of a wireless listening device is a Bluetooth headphone.	TEX NITER WHITER	IN NOW THE WALTER WALT WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER WALTER
2.7.1	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. NOTE Test method for wireless equipment provided without listening device should be defined.	untited untited untited whitely untited whitely untited whitely untited whitely untited whitely	WALTER AND



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t let	LIEN WIFE WITE WAS	IEC/EN 60950-1	LEX TEX
Clause	Requirement – Test	Result – Remark	Verdict

Clause	IEC 60950-1, GROUP DIFFERENCES (CE Requirement + Test	Result - Remark	Verdict
Clause		Nesuit - Nemaik	N
	Replace the subclause as follows:	TEX TEX STEEK STIFF SPATE	الاستنامان
	Basic requirements	nur mr m	
	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):	MULTER WHITER WHITER WHITER WHITER WHITER	iter unite Vinite
	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;	tek write main marek mariek a	NITEK M
Whitek	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;	Whitek whitek whitek white	EX WILL
2.7.2	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.	TEK TEK WHITEK WHITEK WHITEK	N- VALUE AND THE
	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.	NUT THE WILL WILLER WHITEK	MILIER MILIER
3.2.3	This subclause has been declared 'void'.	- LET TEX STEEL STEEL ON	N
3.2.5.1	Delete the NOTE in Table 3A, and delete also in this table the conduit sizes in parentheses.	THE STEET STEET WITHER WITH	N



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et let	LIEX SLIER WITE WA	IEC/EN 60950-1	EX TEX TEX
Clause	Requirement – Test	Result – Remark	Verdict

Clause	Requirement + Test	Result - Remark	Verdict
3.2.5.1 (A2:2013)	Replace "60245 IEC 53" by "H05 RR-F"; "60227 IEC 52" by "H03 VV-F or H03 VVH2- F";	TEX MULTER WHITER WHITER	N N
	"60227 IEC 53" by "H05 VV-F or H05 VVH2-F2".	t anifet whilet while while wh	in whi
	In Table 3B, replace the first four lines by the following:	TEX TEX STEX WITH WITH	ex walte
	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	THE WILL MILES WILLES ANTIES	MALTER
	In the conditions applicable to Table 3B delete the words "in some countries" in condition a).	EX JULIER MUTER MUTER	Wilek on
A CLIEK	In NOTE 1, applicable to Table 3B, delete the second sentence.	TEX TEX STEP OF	SEX OUT
3.3.4	NOTE Z1The harmonised code designations corresponding to the IEC cord types are given in Annex ZD	tiek oriek wriek owite	N
4.3.13.6 (A1:2010)	In Table 3D, delete the fourth line: conductor sizes for 10 to 13 A, and replace with the following:	TEX TEX MITER WALTER WALTER	N V
	Over 10 up to and including 16 1,5 to 2,5 1,5 to 4	TEX LIEX SLIEK WIFEX ON	LIEK WA
	Delete the fifth line: conductor sizes for 13 to 16 A	which was any the state of	
415 4	Replace the existing NOTE by the following:	WILL MULL AND AND AND	N
	NOTE Z1 Attention is drawn to:	TEN TEN	LIEK
	1999/519/EC: Council Recommendation on the limitation of exposure of the general public to electromagnetic fields 0 Hz to 300 GHz, and	THE TOTAL PROPERTY OF THE MILITER OF	WILEK W
	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).	Whitek whitek whitek wh	TEK WAL
Annex H	Standards taking into account mentioned Recommendation and Directive which demonstrate compliance with the applicable EU Directive are indicated in the OJEC.	WALLER WHILE MALLER WHILE WHILEK	MALTER



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t let	IEC/EN 60950-1			
Clause	Requirement – Test	Result – Remark	Verdict	

- JE.	IEC 60950-1, GROUP DIFFERENCES (CE	ENELEC common modifications EN)	
Clause	Requirement + Test	Result - Remark	Verdict
Bibliograp hy	Replace the last paragraph of this annex by: At any point 10 cm from the surface of the OPERATOR ACCESS AREA, the dose rate shall not exceed 1 µSv/h (0,1 mR/h) (see NOTE). Account is taken of the background level.	TEX MUTER MUTER MUTER MUTER M	NLTE K W TEK WILT F TEK
Murites Aut	Replace the notes as follows: NOTE These values appear in Directive 96/29/Euratom. Delete NOTE 2.	Whitek whitek whitek whitek whitek	walter o
JEK NIFE	Additional EN standards.	A SH SEX STEEL STEEL	LIE

ZA	Normative references to international publications with their corresponding European	
, with	publications	MUL

	ZB ANNEX (no	rmative)		
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.	Whitek Muriek Muriek M	I TEK WAS	
1.2.13.14 (A11:2009)	In Norway and Sweden, for requirements see 1.7.2.1 and 7.3 of this annex.	White white white white whi	yN TEX	
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.	TEK TEK STEK STEK SETEK SE	ALTEK WALT	
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).	WITER WHITER WHITER WHITER WHITE	N	
1.5.9.4	In Finland, Norway and Sweden, the third dashed sentence is applicable only to equipment as defined in 6.1.2.2 of this annex.	LIET WHITEK WHITEK WHITEK	NALL N	



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t let	LIEN WIFE WITE WAS	IEC/EN 60950-1	LEX TEX
Clause	Requirement – Test	Result – Remark	Verdict

	ZB ANNEX (no	rmative)	
**	SPECIAL NATIONAL CO		- A
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.	Whitek	TEL N WALTE
	The marking text in the applicable countries shall be as follows:	EL TEX LIER WHEEK WHITEK	NALTEK W
	In Finland: "Laite on liitettäväsuojakoskettimillavarustettuunpistora siaan"	MITEL MITEL WILLER	L'EX WILL
	In Norway: "Apparatetmåtilkoplesjordetstikkontakt"	TEN TEN TEN STEEL STEEL	EL ANITEX
1.7.2.1 (A11:2009	In Sweden: "Apparatenskallanslutas till jordatuttag"	et tet tet with with with	MILIEK
	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.	Whitek whitek whitek whitek wh	n tek vini
	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.	TEK WILL WILLEK	WALTEX W
	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:	Whitek whitek whitek whitek whi	EF MUTER
	"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	EX WHITEX WHITEX WHITEX	Whitek w
	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)."	whitek whitek whitek whitek white	i ik wait



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t let	ITER ALTER MITER WA	IEC/EN 60950-1	et set set
Clause	Requirement – Test	Result – Remark	Verdict

Whi. a	ZB ANNEX (no	The sale of the	
Clause	SPECIAL NATIONAL C	ONDITIONS (EN) Result - Remark	Verdict
ex white	Requirement + Test 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.	Result - Remark	N
WALTER WALTER WALTER WALTER WALTER WALTER WALTER	Translation to Norwegian (the Swedish text will also be accepted in Norway): "Utstyrsomerkoplettilbeskyttelsesjord via nettpluggog/eller via annetjordtilkoplet utstyr – ogertilkoplet et kabel-TV nett, kanforårsakebrannfare. For å unngådetteskaldetvedtilkoplingavutstyrettilka bel-TV nettetinstalleres en galvanisk isolator mellomutstyretogkabel- TV nettet." Translation to Swedish: "Utrustningsomärkopplad till skyddsjord via jordatvägguttagoch/eller via annan utrustningochsamtidigtärkopplad till kabel-TV nätkanivissa fall medföra risk för brand. Förattundvikadettaskall vid anslutningavutrustningen till kabel-TV nät galvanisk isolator finnasmellanutrustningenochkabel-TV nätet."	CLIEK WILLER WIL	TE JUNITER JUN
1.7.2.1 (A2:2013)	In Denmark, CLASS I PLUGGABLE	ALLE WHITE W	N SEX WALTEX WASTER ON WASTER ONLY WASTER ONLY



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t let	LIEN WIFE WITE WAS	IEC/EN 60950-1	LEX TEX
Clause	Requirement – Test	Result – Remark	Verdict

MULTER AND	ZB ANNEX (no SPECIAL NATIONAL CO	all the the	iet white white v
Clause	Requirement + Test	Result - Remark	Verdict
1.7.5 (A11:2009	In Denmark, socket-outlets for providing power to other equipment shall be in accordance with the Heavy Current Regulations, Section 107-2-D1, Standard Sheet DK 1-3a, DK 1-5a or DK 1-7a, when used on Class I equipment. For STATIONARY EQUIPMENT the socket-outlet shall be in accordance with Standard Sheet DK 1-1b or DK 1-5a. For CLASS II EQUIPMENT the socket outlet shall be in accordance with Standard Sheet DKA 1-4a.	ANTEK WALTER WALTER WALTER	UNLIEK WA TEK WALTEK WALTEK WALTEK WALTEK WALTEK WALTEK
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	TEY LIEK WHITEK	ntiff whife whife white
2.2.4	In Norway, for requirements see 1.7.2.1, 6.1.2.1 and 6.1.2.2 of this annex.	THE THE THE	WILL WILL NOW
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.	- Nifek Wilek Milek	niter on let N
2.3.4	In Norway, for requirements see 1.7.2.1, 6.1.2.1 and 6.1.2.2 of this annex.	A St St	TEL NET NET
2.6.3.3	In the United Kingdom, the current rating of the circuit shall be taken as 13 A, not 16 A.	MULLI MULL MULL AND	N
2.7.1 united	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.	LIEK Whitek whit	White Witer white



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t let	ITER ALTER MITER WA	IEC/EN 60950-1	et set set
Clause	Requirement – Test	Result – Remark	Verdict

	ZB ANNEX (no	rmative)	
*	SPECIAL NATIONAL C	ONDITIONS (EN)	
Clause	Requirement + Test	Result - Remark	Verdict
2.10.5.13	In Finland, Norway and Sweden, there are additional requirements for the insulation, see 6.1.2.1 and 6.1.2.2 of this annex.	t itek slitek uslitek sus	TEK NOTE NOTE
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:	Whitek whitek whitek white	MULTER MULTER
16t 16	SEV 6532-2.1991 Plug Type 15 3P+N+PE 250/400 V, 10 A	in me my m	LET LET
y whitex	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	ex we ter white white whi	itek ansi tek ansi
	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:	TEX TEX MULTER MULTER	WALTER WALTER
	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	Whitek whitek whitek out	LIFE WELFE
	SEV 5934-2.1998: Plug Type 23, L+N+PE250	murr murr mur m	THE THE
3.2.1.1 W	In Denmark, supply cords of single-phase equipment having a rated current not exceeding13 A shall be provided with a plug according to the Heavy Current Regulations, Section 107-2-D1.	THE	MILER WILLER
et whitet	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.	MUNITER WHITER WHITER WHITE MULTER WHITER WHITER MALTER WHITER	TEX WASTER WALTER
	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.	EX WHITEX WHITEX WHITEX W	itex antiex and



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IEC/EN 60950-1		et tet tex	
Clause	Requirement – Test	Result – Remark	Verdict

WALTE WA	ZB ANNEX (no	rmative)	
` 	SPECIAL NATIONAL CO	ONDITIONS (EN)	et.
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 thewiring rules shall be provided with a plug in accordance with standard sheet DK 2-1a orDK 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	JUNITER WHITEK	TEK N TEK WALTER WALTER WALTER WALTER WALTER WALTER
3.2.1.1	In Spain, supply cords of single-phase equipment having a rated current not exceeding 10 A shall be provided with a plug according to UNE 20315:1994. Supply cords of single-phase equipment having a rated current not exceeding 2,5 A shall be provided with a plug according to UNE-EN 50075:1993. CLASS I EQUIPMENT provided with socketoutlets 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-EN60309-2.	TEX NUTEX WHITEX	ANLIN WELLEY ANLIEY ANLIEY
3.2.1.1 Mirely white Mirely white Mirely white Mirely wh	In the United Kingdom, apparatus which is fitted with a flexible cable or cord and is designed to be connected to a mains socket conforming to BS 1363 by means of that flexible cable or cord and plug, shall be fitted with a 'standard plug' in accordance with Statutory Instrument 1768:1994 - The Plugs and Sockets etc. (Safety) Regulations 1994, unless exempted by those regulations. NOTE 'Standard plug' is defined in SI 1768:1994 and essentially means an approved plug conforming to BS 1363 or an approved conversion plug.	UNITER WHITER WH	N WALTER WAL



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t let	ITER ALTER MITER WA	IEC/EN 60950-1	et set set
Clause	Requirement – Test	Result – Remark	Verdict

WALTE W	ZB ANNEX (no	rmative)	
	SPECIAL NATIONAL CO	ONDITIONS (EN)	
Clause	Requirement + Test	Result - Remark	Verdict
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.		AND TEX WHITEX	TEK N TEK WALTER WALTER
3.2.4	In Switzerland, for requirements see 3.2.1.1 of this annex.	EX W. TEX WITEX MUTE MUTE M	N.
3.2.5.1	In the United Kingdom, a power supply cord with conductor of 1,25 mm2 is allowed for equipment with a rated current over 10 A and up to and including 13 A.	Whitek Mutek Mutek Mut	N TE
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 area.	TEX MUTER MUTER MUTER MUTER	MALITER WA
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.	Whitek wh	N A WALTER WA
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.	Whitek whitek whitek whitek	N Marter W



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t let	ITER ALTER MITER WA	IEC/EN 60950-1	et set set
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:	t whilek whilek whilek whi	SET N			
	• 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;	Whitek whitek whitek whitek	MULTER WHITER WH			
	• STATIONARY PLUGGABLE EQUIPMENT TYPE B;	WILLER MULTER MULTER	Mury Augr			
	STATIONARY PERMANENTLY CONNECTED EQUIPMENT.	LIEN STEK WILEK WHILEK	Inlied Malie W			





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t let	IEC/EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		

	ZB ANNEX (no	rmative)	
	SPECIAL NATIONAL CO	ONDITIONS (EN)	+ +
Clause	Requirement + Test	Result - Remark	Verdic
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:	* Writer Writer Marier An	TEX WY
	If this insulation is solid, including insulation forming part of a component, it shall at least consist of either	onliek muliek muliek muli	EX WHITE WHITE
	-two layers of thin sheet material, each of which shall pass the electric strength test below, or	THE MATER WHITER WATER	WALTER WALTER
	-one layer having a distance through insulation of at least 0,4 mm, which shall pass the electric strength test below.	EX WATER WAITER WATER W	With Mark M
	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	TEX WHITEX WHITEX	TEX TEX
	-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	Whitek Whitek Whitek whi	ex and a and
	2.10.10 shall be performed using 1,5 kV), and	THE THE STEEL	MITER WALTER
	-is subject to ROUTINE TESTING for electric strength during manufacturing, using a test voltage of 1,5 kV.	in the last of the	NUTER WILLER



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t let	IEC/EN 60950-1				
Clause	Requirement – Test	Result – Remark	Verdict		

While M	ZB ANNEX (no	rmative)	
- 	SPECIAL NATIONAL CO	ONDITIONS (EN)	- C+
Clause	Requirement + Test	Result - Remark	Verdict
EX WALTEX WALTEX WALTEX WALTEX	It is permitted to bridge this insulation with an optocoupler complying with 2.10.5.4 b). It is permitted to bridge this insulation with a capacitor complying with EN 60384-14:2005, subclass Y2. A capacitor classified Y3 according to EN 60384-14:2005, may bridge this insulation under the following conditions: -the insulation requirements are satisfied by	t untited unti	THE N THE WALTER OWNLIER OWNLIER OWNLIER OWN
MULIER	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;	Whitek Multek Multer Mult	EK WALT
White M	-the additional testing shall be performed on all the test specimens as described in EN 60384-14:	MITER WHITER WHITER WHITE	WALTER
veir whr	-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.	TEX WHITE WHITE WHITE WHITE	Mari W
6.1.2.2 White White	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.	Whitek wh	ALTER WALTER
7.2 IV	In Finland, Norway and Sweden, for requirements see 6.1.2.1 and 6.1.2.2 of this annex. The term TELECOMMUNICATION NETWORK in 6.1.2 being replaced by the term CABLE DISTRIBUTION SYSTEM.	unliek whitek whitek whitek	MILIEK V
7.3 (A11:2009	In Norway and Sweden, for requirements see 1.2.13.14 and 1.7.2.1 of this annex.	white white will will will will	N



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et let	LIER SLIER WIFE WAL	IEC/EN 60950-1	et let let
Clause	Requirement – Test	Result – Remark	Verdict

Annex ZD (informative)

IEC and CENELEC code designations for flexible cords

Type of flexible cord	Code	designations
The Mar My My My	IEC	CENELEC
PVC insulated cords	ri nor no	20, 2
Flat twin tinsel cord	60227 IEC 41	H03VH-Y
Light polyvinyl chloride sheathed flexible cord	60227 IEC 52	H03VV-F
The state of the s		H03VVH2-F
Ordinary polyvinyl chloride sheathed flexible cord	60277 IEC 53	H05VV-F
With the My My My My		H05VVH2-F
Rubber insulated cords	inti uni un	m. w.
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	At A STATE OF	The mail was what
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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ct let	TEX LIET OLIFE NO	IEC/EN 60950-1	at at all
Clause	Requirement – Test	Result – Remark	Verdict

1.5.1 TAE	BLE: list of critical com	ponents	TEX TEX	LIFER WIFE N	n'i n'P
object/part No.	manufacturer/ trademark	type/model	technical data	Standard (Edition / year)	mark(s) of conformity ¹)
Plastic enclosure	FORMOSA CHEMICALS & FIBRE CORP PLASTICS DIV	AG15E1	HB, 60°C, Min. thickness: 1.6mm	UL 94, UL 746	UL E162823
PCB	KINGBOARD LAMINATES HOLDINGS LTD	KB-6150C	V-0, 130°C	UL 94, UL 796	UL E123995
Alternative	Interchangeable	Interchangeable	V-0, 130°C	UL 94, UL 746	UL WALTE
Speaker	Interchangeable	Interchangeable	4Ω, 3W	EN 60950-1	Tested with appliance

¹⁾ An asterisk indicates a mark which assures the agreed level of surveillance

Supplementary information:





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				IFC/FI	N 60950-1				
Clause	Requireme	ent – Tes	st	WILEY.		sult – Re	mark	THE WALLER WA	Verdict
1.6.2	.2 TABLE: electrical data (in normal conditions)							"NITE" NALT	P
U (V/Hz)	P (W)	I (A)	Irated (A)	U (VDC)	P (W)	I (A)	condition	n/status	TEK
Charging of	condition								
ek writek	WULLER W	1712 - W	0.5	5.0	0.95	0.19		nal input. DC ir max available ower	
Discharge	condition	21/2	100	1.50	JEX.	LEX .	TEK NIE	INLIE WAL	MULL
unlite k wni	EK WILTER	WILLER	MALTE.	4.2	0.46	0.11	Battery.	nal input. Powe 1/8 of 100% or non-clipped or	max
	+ .e.+	TEX	JET .	LIE WILL	Miss	- City	-22,		, t
2.10.3 and 2.10.4	TABLE:	clearan	ce and cre	epage dista	nce meas	suremen	ts itek w	NITER WALTER	Inti Non
clearance (creepage of at/of/betwe	distance (cr		U peak (V)	U r.m.s. (V)	require (mn		cl (mm)	required cr (mm)	cr (mm)
CLIE.	LIL MAL	M	40.	74,	V		EX - (E)	TEN N	F. 11-11

2.10.5	TABLE: distance through insula	TABLE: distance through insulation measurements						
distance through insulation (DTI) at/of:		U peak (V)	U rms (V)	test voltage (V)	voltage DTI			
MITTE	writ auri - auri a	117	EK 5	EX TIEX	OLIEK JOLI	E. MALTE		
Suppleme	ntary information:							

4.3.8	TABLE: batteries								N
The tests of data is not		applicabl	e only when appi	ropriate ba	attery		TEK	NULLER OF	NITEN W
Is it possible	le to install	the batte	ry in a reverse po	larity pos	ition?		*	et	N X
WC.	Non-ı	rechargea	ble batteries	Et JE	J. LIE	Rechargeal	ole batterie	s w	'n'
MITEK W	Disch	arging	Un-intentional charging	Charging		Discha	arging		rersed arging
NLTEK WAL	Meas. current	Manuf. Specs.	white white	Meas. current	Manuf. Specs.	Meas. current	Manuf. Specs.	Meas. curren t	Manuf. Specs.
Max. current during normal condition	Writek M	Marian Tek Mari	EK MITER AN	in _ w Itex whi	EK ANTIL	H WALTER	MULIER W	sire r M	LIEK WAL EK WALTE

Supplementary information:



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		IEC/EN 609	950-1			
Clause	Requirement – Test	Result -	Result – Remark			
Max.	A CH IN THE WITE	July Mr.	20			t City
current during fault condition	Mules Whiles wiles	JUNITER JUNITER	mit e. Tex. Mi	SET WILLER WALTER	Whitek Whitek	VINITER OF
Test result	Sincile will we	71/2		- et et	TEX	Verdict
- Chemica	leaks	et tet all	in with	-will with a	1, 1	N
- Explosior	- Explosion of the battery					
- Emission of flame or expulsion of molten metal						N
Electric strength tests of equipment after completion of tests					N	
Suppleme	ntary information:	ex Tex	CIE II	LIE WALL WALL	M	an.

4.5	TABLE: thermal requirements							L. Pin
+ 16+	supply voltage (VD	C)		1)5.0	0		2)4.2	# - K
WIL	ambient Tmin(°C).	ambient Tmin(°C)				الماران ا	45.0 45.0	
, Et	ambient Tmax(°C))	1		
Maximum measured temperature T of part/at:				T (°C)				allowed T _{max} (°C)
DC input t	erminal	et 1		56.0		11 2	12 - 14 .	Ref.
PCB near	UQ1	MU	20,	58.8	3	47.8		
PCB near	U1	i.t	TEX	55.8	315	i wi	51.5	130
PCB near	U2	Ch.		56.4 52.1			52.1	130
Internal wi	ire			47.9			46.9	80
Enclosure	inside near battery	alie was	MU	47.8			47.6	Ref.
Surface of	f battery package		- 3	48.5			47.0	60
Enclosure	outside near battery		MALL	45.9 45.8			45.8	75
Suppleme	entary information:		L	-EX-	, at		TER WIFE	NITE WI
temperatu	re T of winding:	t ₁ (°C)	R ₁ (Ω)	t ₂ (°C)	R ₂ (Ω)	T (°C)	allowed T _{max} (°C)	insulati on class
_{//}	TEX JEX STEE	111 - 111	- m	11/1	20	-	,# .li	+ - EX

4.5.5	TABLE: ball pressure test of thermoplastic parts					
inlife wh	allowed impression diameter (mm)	≤ 2 mm	EL WILL MILL M			
part	ex writex writer writer with white wi	test temperature (°C)	impression diameter (mm)			
	EX LEX TEX MUTE MALTE MALE	Mr. Mr. M	- T W			
Suppleme	entary information:	LEK TEK TEK	ALTER WILL WALL			



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Reference in	lo.: WTF20S0301	13047Y	Paç	ge 50 c)T 5 T	الله المالية		ing and	7/1	
t TEX	TEX TEX	nlik mali	IEC/	/EN 60	950-1		1	d 18	- 4	et .
Clause	Requirement – T	est	Result – Remark						Mur	Verdict
4.7	TABLE: resist	tance to fire	die.	W.		t TEX	J. C.	ALIE!	MITEL	N N
part manufacturer of material			type of material		thicki (mi		flammabil class	ity e	evidence	
70,	L	- #	EX S	Et (1		m c		1/2 - 1/1	7	
Supplemen	tary information:	Refer to table	1.5.1.		باد	at .	EX	JEK J	*	CIER III
5.2	TABLE: electr	ric strenath te	sts. impi	ulse tes	sts and	l voltage s	urae te	ests	- W	N
	applied between		LIEK	volta	ige sha	ape (AC, e, surge)		voltage (V)		akdown es / No
INLIE WALT	Mr. Will	Jil. J			1 T	- (4)	TE	1124	مارا	(7)
supplement	tary information:	LITER	CIEN VII		NI C	M	77	الم	, t	. CIT
	mi, me	10/2 20		z t	ex	LEK .	TEL	aliet ali	, (1)	
5.3	TABLE: fault	condition tests	S		7	الان ما		70, 70	1	Р
" ALITY	ambient temp	perature (°C)			<u>, </u>	45.0	Et .	TEK NITE	نارار	10
LITER OF	power source model/type, o					- w	- M	et tex	LIE	م المالة
Component No.	f Fault	Supply voltage (V)	Test	time	Fuse No.	Input curre (A)		Observation		WILLEY WILLEY
Empty batte	ery of charging co	ndition	- Jun	Jr'		7		40, 4	٠,4	at .
Speaker	short circuit	5.0VDC	1houns	r22mi	- Will	0.411	ie w	PCB near battery: 50 Ambient: 4 Unit work r damaged,	outside .2°C; 5.0°C. normall	e near ly, no
Max. non- clipped output powe	en riek miriek	5.0VDC	33mii	ns L	A TEK TEK	0.260)→0	PCB near (Enclosure battery: 46 Ambient: 4 Unit doesn damaged,	outside 5.0°C; 5.0°C. 1't work	e near
Ventilation openings	blocked	5.0VDC	1houns	ır04mi	 White Milex	0.190	Whitek Whitek	PCB near (Enclosure battery: 46 Ambient: 4 Unit work r damaged,	outside 5.7°C; 5.0°C. normall	e near ly, no
C21	short circuit	5.0VDC	10mii	ns	17	0.001	3	Unit shut d damaged,		
Q1 B-E	short circuit	5.0VDC	10mii	ns	ļ	0.017	* W	Unit shut d damaged,	lown, n	10

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Fully charged battery discharge condition



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et let	ITEK ALTEK MITEK NA	IEC/EN 60950-1	et set set
Clause	Requirement – Test	Result – Remark	Verdict

Speaker	short circuit	4.2VDC	51mins	- 4	1.431→0	PCB near U2:131.6 °C
TEX TEX	ALTEK MITE	K WITEK WI	ITEK WALTER	MULL	Ayr we	Enclosure outside near battery:
Tr. Mur	211, 21,		* #	TEX	NI EN MITE	50.5°C;
et et	TEX JEX	CLIEB ML	WILL W	1	72	Ambient: 45.0°C.
MULLI W	ir and	est lest	TEX INC	ek wat	IE WALTER O	Unit doesn't work, no damaged, No hazard.
Max.non-	E WITE W	4.2VDC	23mins		0.673→0	PCB near U2: 64.8°C
clipped output power	TEX S	Et SITEK	WIEK MUTE	WALTE	MULLE MU	Enclosure outside near battery: 46.1°C;
INLIE WALL	MUT. MUT.	211. 2	" et	LEX.	TEX ITE	Ambient: 45.0°C.
et et	JEK NIEK	WITEK WA	LIEK WALTE	inti.	NLT. AL	Unit doesn't work, no damaged, No hazard.
Ventilation openings	blocked	4.2VDC	1hour23mi ns	H AND	0.113	PCB near U2: 52.8°C; Enclosure outside near battery: 46.0°C; Ambient: 45.0°C.
WILEK WILE	* WUTER WY	WALTER	WHITE WALL		LEK 1	Unit work normally, no damaged, no hazard.
C7	short circuit	4.2VDC	10mins	/	0.014	Unit shut down, no damaged, No hazard.
Battery	short circuit	4.2VDC	10mins	LIFEY	0.001	Battery doesn't work,, no damaged, No hazard.
Supplementa	ry information:	- un	100		J. L	EX TEX





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Photo Documentation

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Model: MO9260



Photo 1



Photo 2



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Photo Documentation

Reference No.: WTF20S03013047Y

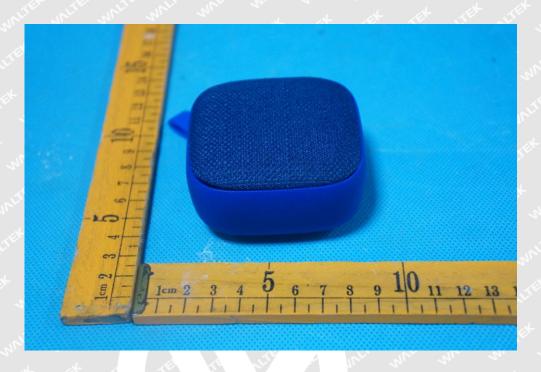


Photo 3



Photo 4



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Photo 5



Photo 6



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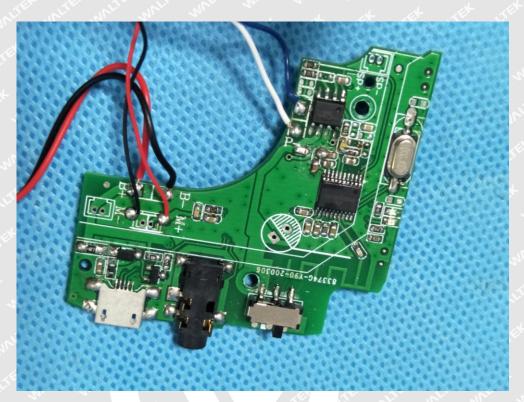


Photo 7

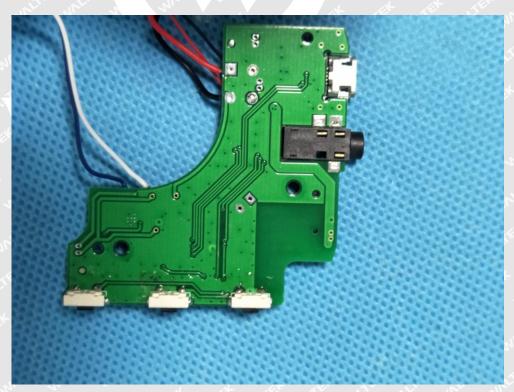


Photo 8

===== End of Report =====

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